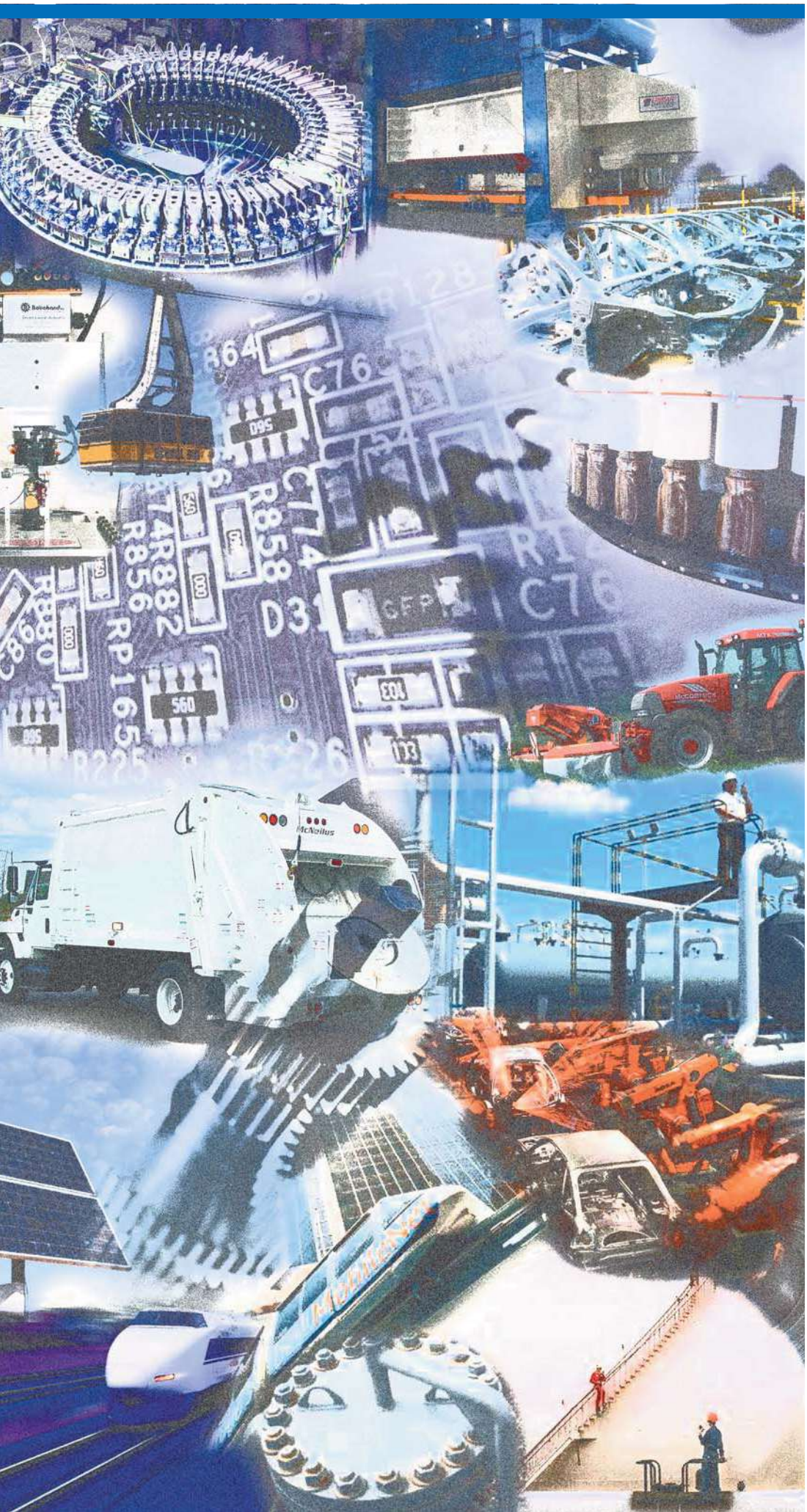


4

CATALOGUE

Connecting devices for actuators and sensors

atam®

Our company is organised and committed to seek continuous improvements at every level.
Innovation and our ability to support our customers with dedicated solutions allow us to be the ideal partner for companies looking for high levels of quality and service.

Our technical catalogues illustrate the standard range of products manufactured. In addition our product portfolio also includes a wide and diverse range of custom products designed to satisfy the specific technical requirements of our customers. This characteristic is demonstrated by our focus on the products technical development, by the use of innovative injection moulding techniques and materials and in the design of the products dedicated electrical features.

Our commitment to innovation in terms of organisation, the traceability of all of the various processes together with our ability and desire to constantly support our customers from the products conception and throughout its complete lifetime allows our company to cooperate Internationally with market leading organization in the following market sectors:

- Agriculture ● Forestry ● Farming
- Air ● Water ● Fluid ● Steam ● Gas
- Automotive
- Construction ● Earthmoving
- Energy ● Petrochemical
- Food ● Beverage ● Vending
- Industrial Automation ● Robotics
- Marine ● Ports
- Mining ● Quarrying ● Cement Mixing
- Packaging ● Bottling
- Power Transmission ● Hydraulics ● Pneumatics
- Transport ● Services
- Transfer Machines ● Assembly

Reference rules:

IEC 60335-1	Household and similar electrical appliances - Safety
IEC 60730-1	Automatic electrical controls for household and similar use
IEC 60204-1	Safety of machinery Electrical equipment of machines
2014/35/UE	Low voltage Directive
2011/65/UE	Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipments (RoHS)
EC N°1907/2006	Regualtion concerning the registration, evaluation, authorization and restriction of chemicals (REACH)

The drawings and the technical data reported on the data sheets have been checked and are believed to be correct. However no liability is accepted therefore.

We always recommend to contact our technical department for the most significant values. The company reserves the right to modify what is reported on specifications and drawings without notice due to technical or commercial reasons.

With reference to CE marking, it should be noted that electronic components such as coils are not subject to any form of marking and therefore must not be marked with a CE mark. This is confirmed within the conditions of the European Commission for Low Voltage and EMC guidelines.

Our coils are developed and designed for the use in the field of equipment, control and electrical appliances. They can also be used in other applications under the responsibility of the user.

Atam Group. Innovation and technology.

Since 1992 Atam Group produces components for the automatic regulation and, more in general, for the wide market of industrial automation and engineering oil hydraulic. The group was born with the common intention to diversify strategies and researches with the purpose of completely satisfy the customer. The continuous technological evolution, oriented to anticipate the market demands and the competition, allows Atam Group to be an active and trusted partner in order to grant the maximum performances of each product.

1

Encapsulated coils
Electromagnets
Electrical windings

2

Operators

3

Operators for
solenoid valves

4

Connecting devices
for actuators and sensors

5

Proximity switches for
magnetic cylinders
Pressure switches

Glossary

Ampère (A): International unit of measurement of the intensity of electric current.

Alternate current (AC): Electrical current flow, variable in time, both as intensity that direction. Reaches a maximum positive value and a maximum negative value passing from zero.

Direct current (DC): Flow of electrical current, constant in time, both in intensity as that direction.

Ground connection (PE): Point of connection of the electric masses intended to be connected physically to the earth. The correct operation avoids the risk of electric shock.

Diode Non-linear passive electronic component, whose function is to allow the passage of current flow in one direction only and lock it in the opposite direction.

Ohm (Ω): International unit of electrical resistance.

Current rectifier: It is a device consisting of diodes, capable of converting an AC voltage into a DC voltage.

Electrical resistance: Capacity of a conductor to oppose the passage of electric current generating heat.

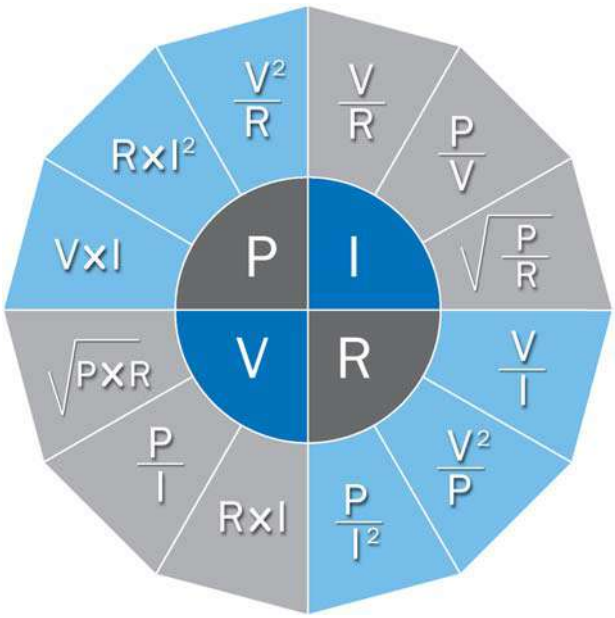
Transil (TVS = Trans Voltage Suppressor): Electrical component belonging to the category of non-linear transient suppressors. Has a behavior similar to a Zener diode, but unlike the latter, serves to protect electronic circuits against overvoltage spikes fast and destructive.

Varistor (VDR = Voltage Dependent resistor): Non-linear electronic component used to protect electronic circuitry from overvoltage spikes fast and destructive.
Its behavior can be compared to a resistor (non-linear) that if it is exceeded the voltage for which it is designed, rapidly lowers its internal resistance so that the spike is strongly attenuated.

Volt (V): International unit of electric potential, and also of the potential difference between two points of a conductor or an electric component.

Watt (W): International unit of power.

OHM law and power calculation



V : Voltage Volt (V)
R : Resistance Ohm (Ω)
I : Current intensity Ampere (A)
P : Power Watt (W)

Technical information and references

The connection systems for actuators and sensors must be constructed in according to the standard norms:

EN 175301-803: 2000
EN 61076-2-101: 2003

find their application in low voltage equipment where the reference standard is EN 60730-1 with which the above rules do share some aspects.
As regards the parameters that regulate the insulation coordination of the reference standard is the EN 60664-1.

In matter some definitions here are explained below in briefly:

Rated voltage, Rated current

Are values assigned to a device by the manufacturer and to which to operation

Overvoltage category (EN 60664-1)

A numerical characterizing a transient overvoltage condition:

Category I Equipment for connection to circuits in which measures are taken to limit the overvoltages to an appropriately low level.
Example, electronic circuits, logical and very low voltage

Category II Is an energy consuming equipment to be supplied from the fixed installation. Example, control devices for electrical appliances

Category III Equipment in fixed installation, and for cases where the reliability and the availability of the equipment is subject to special requirements.
Example, components that integrate systems of suppression of transient voltages constituting part of wiring intended to be incorporated in equipment intended for permanent connection.

Category IV Equipment for use at the origin of the installation.

Creepage distances and clearance.

The control devices for low voltage must be constructed in such a way that the distances in the air, the surface and through the solid insulation are capable of withstanding the power that can be provided.

Category of materials (EN 60730-1)

The insulating material used is classified into groups according to comparative index of resistance to tracking index (PTI = Proof Tracking Index)

Material group I
PTI ≤ 600

Material group II
400 ≤ PTI <600

Material group IIIa
PTI ≤ 175 <400

Material group IIIb
100 ≤ PTI <175

This index will determine the minimum creepage distances for the 'basic insulation according to the nominal voltage of the device, and the degree of pollution expected.

Pollution degrees of isolation (EN 60730-1)

The environmental conditions in which the device is to operate must be taken into consideration in order to determine the suitability of the device, to operate properly in such situations. The environmental conditions of pollution are classified in degrees:

Pollution degree 1

No pollution or only dry pollution, non-conductive. The pollution has no effect

Pollution degree 2

Presence of only non-conductive pollution, but which can occasionally become conductive due to condensation planned

Pollution degree 3

Presence of conductive pollution or dry nonconductive pollution that becomes conductive due to condensation planned

Pollution degree 4

The pollution generates persistent conductivity caused by conductive dust, rain or snow.

Norms and test conditions

STANDARD	CHARACTERISTICS	REMARKS
EN 60529	Shell protection	Further informations on page 7
EN 60512-5 (Test 9a)	Mechanical operation	Test is performed without electrical load
EN 60664-1	Rated voltage	Further informations on page 5
EN 60664-1	Rated current	Further informations on page 5
EN 60664-1	Overvoltage category	Further informations on page 5
EN 60664-1	Pollution degree	Further informations on page 5
EN 60730-1	Material groups	Further informations on page 5
IEC 60512-2 (Test 2b)	Contact resistance	Resistance between contact pin and contact socket in mated condition
IEC 60512-2 (Test 3a)	Insulation resistance	Insulation between two conductive parts (dependent on material)

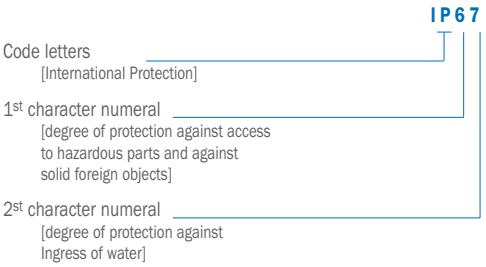
Our production processes and our products are designed and developed to satisfy the recognized international standards.
We also have the technical and production capability to study solutions to other recognized international standards in order to provide products in accordance with our customers specific requirements.

Degree of protection (IP-Code)

Connectors have to be protected for safety reasons from outside influences like dust, foreign objects, direct contact, moisture and water.

This protection is provided on industrial connectors by its housing with their latching devices and sealed cable entries. The degree of protection can be selected depending on the type of intended use.

The standard IEC EN60529 has specified the degree of protection and divided into several classes.



DEGREES OF PROTECTION against ACCESS to hazardous parts indicated by the first characteristic numeral

FIRST characteristic numeral	DEGREE OF PROTECTION	
	Brief Description	Definition
0	Non-protected	
1	Protected against access to hazardous parts with the back of a hand	The access probe sphere of 50 mm Ø shall have adequate clearance from hazardous parts
2	Protected against access to hazardous parts with with a finger	The jointed test finger of 12 mm Ø 80 mm lenght shall have adequate clearance from hazardous parts
3	Protected against access to hazardous parts with a tool	The access probe of 2,5 mm Ø shall not penetrate
4	Protected against access to hazardous parts with a wire	The access probe of 1,0 mm Ø shall not penetrate
5	Protected against access to hazardous parts with a wire	The access probe of 1,0 mm Ø shall not penetrate
6	Protected against access to hazardous parts with a wire	The access probe of 1,0 mm Ø shall not penetrate

DEGREES OF PROTECTION against SOLID foreign objects indicated by the first characteristic numeral

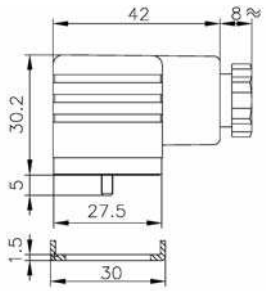
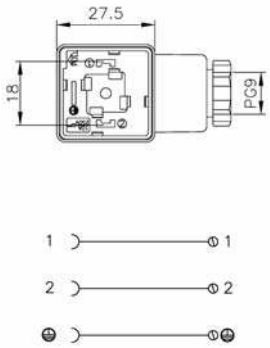
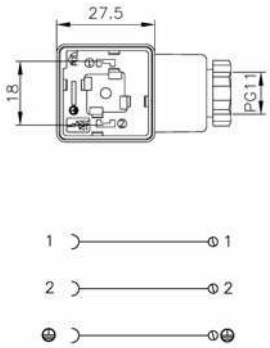
FIRST characteristic numeral	DEGREE OF PROTECTION	
	Brief Description	Definition
0	Non-protected	
1	Protected against solid foreign objects of ≥ 50 mm Ø and greater	To object probe sphere of 50 mm Ø shall not fully penetrate
2	Protected against solid foreign objects of ≥ 12,5 mm Ø and greater	To object probe sphere of 12,5 mm Ø shall not fully penetrate
3	Protected against solid foreign objects of ≥ 2,5 mm Ø and greater	To object probe sphere of 2,5 mm Ø shall not fully penetrate
4	Protected against solid foreign objects of ≥ 1,0 mm Ø and greater	To object probe sphere of 1,0 mm Ø shall not fully penetrate
5	Dust-protected	Ingress of dust is not totally prevented, but dust shall not penetrate in a quantity to interfere with satisfactory operation of the apparatus or to impair safety
6	Dust-tight	No ingress of dust

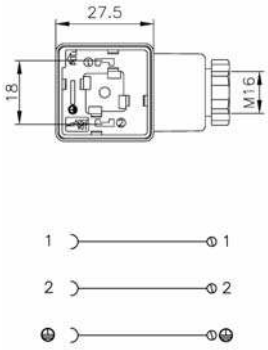
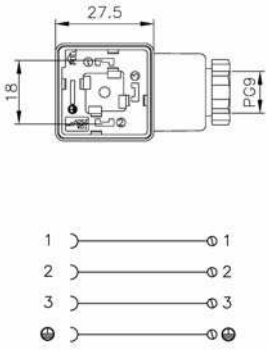
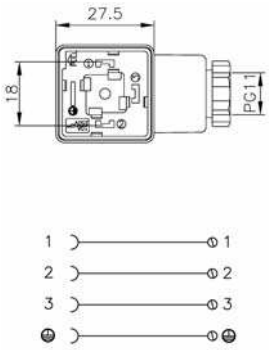
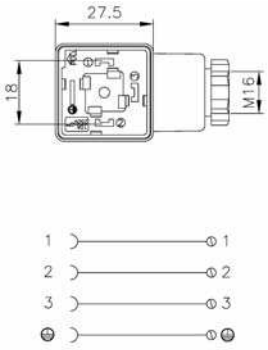
DEGREES OF PROTECTION against WATER indicated by the second characteristic numeral

SECOND characteristic numeral	DEGREE OF PROTECTION	
	Brief Description	Definition
0	Non-protected	
1	Protected against vertically falling water drops	Vertically falling drops shall have no harmful effets
2	Protected against vertically falling water drops when up to 15°	Vertically falling drops shall have no harmful effets when the enclosure is tilted at any angle up to 15° on either side of the vertical
3	Protected against spraying water	Water sprayed at an angle up to 60° on either side of the vertical shall have no harmful effects
4	Protected against splashing water	Water splashed against the enclosure from any direction shall have no harmful effects
5	Protected against water jets	Water projected in powerful jets against the enclosure from any direction shall have no harmful effects
6	Protected against powerful water jets	Water projected in powerful jets against the enclosure from any direction shall have no harmful effects
7	Protected against immersion in water	Ingress of water in quantities the effects of temporary causing harmful effets shall not be possible when the enclosure is temporarily immersed in water under standardized conditions of pressure and time
8	Protected against the effects of continuous immersion in water	Ingress of water is quantities causing harmful effets shall not be possible when the enclosure is continuously immersed in water under conditions which shall be agreed between manufacturer and user but which are more severe then for numeral 7
IP69K in according to DIN40050-9	Protected against the effects due to cleaning with hot water pressure jet	The water jet sprayed aganist the enclosure, in the conditions of pressure and temperature standardized, have no harmful effects

DESCRIPTION		PAG
SERIES: KA		FEMALE CONNECTORS FORM A (contact spacing 18mm) STANDARD (black - grey) 10
SERIES: KA		FEMALE CONNECTORS FORM A (contact spacing 18mm) WITH CIRCUITS (transparent) 16
SERIES: KA		FEMALE CONNECTORS FORM A (contact spacing 18mm) WITH CIRCUITS (black - grey)..... 24
SERIES: KA		FEMALE CONNECTORS FORM A (contact spacing 18mm) STANDARD (black) 35
SERIES: KB		FEMALE CONNECTORS FORM B industrial (contact spacing 11mm) STANDARD (black - grey) 36
SERIES: KB		FEMALE CONNECTORS FORM B industrial (contact spacing 11mm) WITH CIRCUITS (transparent)..... 38
SERIES: KC		FEMALE CONNECTORS FORM C (contact spacing 8mm) STANDARD (black) 42
SERIES: KC		FEMALE CONNECTORS FORM C (contact spacing 8mm) WITH CIRCUITS (transparent)..... 43
SERIES: KD		FEMALE CONNECTORS FORM C industrial (contact spacing 9,4mm) STANDARD (black) 46
SERIES: KD		FEMALE CONNECTORS FORM C industrial (contact spacing 9,4mm) WITH CIRCUITS (transparent)..... 47
SERIES: BA		MALE BASES FORM A (contact spacing 18mm) STANDARD (black) 50
SERIES: BB		MALE BASES FORM B industrial (contact spacing 11mm) STANDARD (black) 52
SERIES: BD		MALE BASES FORM C industrial (contact spacing 9,4mm) STANDARD (black) 53

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard		EN175301-803	EN175301-803
Construction type		A	A
Description		P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12
Housing colour		black	black
Number of contacts		2+PE	2+PE
Order no.		**KA132000B9**	**KA132000B1**
Other options on request	grey housing	order no. **KA132000A9**	order no. **KA132000A1**
Cable gland		PG9	PG11
Max. conductor size		1,5mm² without splice/terminal	1,5mm² without splice/terminal
Drawing		 	
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max. (EN 60512-5-2 test 5b)		10 A	10 A
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Type of termination		screw M3	screw M3
Contact screw torque		max. 0,5 N/m	max. 0,5 N/m
Suitables cables		5 mm to 7 mm diameter	6 mm to 9 mm diameter
Mounting		central screw M3x32,5	central screw M3x32,5
Material			
Contact holder material		PA6 GF	PA6 GF
Housing material		PA6 GF	PA6 GF
Enviromental conditions			
Protection class (EN 60529)		IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)		3	3
Temperature range		-40°C to + 100°C	-40°C to + 100°C
	with silicon gasket	-40°C to + 125°C	-40°C to + 125°C
Inflammability class			
Contact holder		HB - UL 94	HB - UL 94
Housing		HB - UL 94	HB - UL 94
Approvals		VDE	VDE
Packaging			
Packaging unit / Weight approx.		500 pieces / 14,5Kg	500 pieces / 14,5Kg
Box dimensions		80 x 30 x 22 cm	80 x 30 x 22 cm
Other accessory options			
to be ordered separately see pages 171-175		NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
		Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
		Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

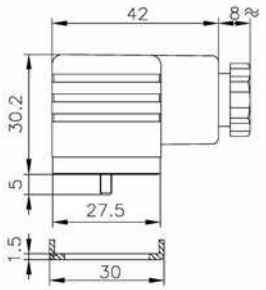
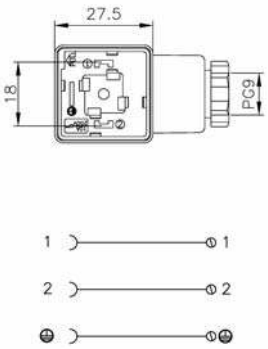
	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	A	A	A	A
	P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12
	black	black	black	black
	2+PE	3+PE	3+PE	3+PE
	KA132000B6	**KA042000B9**	**KA042000B1**	**KA042000B6**
	order no. **KA132000A6**	order no. **KA042000A9**	order no. **KA042000A1**	order no. **KA042000A6**
	M16x1,5	PG9	PG11	M16x1,5
	1,5mm² without splice/terminal	1,5mm² without splice/terminal	1,5mm² without splice/terminal	1,5mm² without splice/terminal
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm
	250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC
	10 A	10 A	10 A	10 A
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	screw M3	screw M3	screw M3	screw M3
	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
	5 mm to 7 mm diameter	5 mm to 7 mm diameter	6 mm to 9 mm diameter	5 mm to 7 mm diameter
	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
	3	3	3	3
	-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°C
	-40°C to + 125°C	-40°C to + 125°C	-40°C to + 125°C	-40°C to + 125°C
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	VDE	VDE	VDE	VDE
	500 pieces / 14,5Kg	500 pieces / 14,5Kg	500 pieces / 14,5Kg	500 pieces / 14,5Kg
	80 x 30 x 22 cm	80 x 30 x 22 cm	80 x 30 x 22 cm	80 x 30 x 22 cm
	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

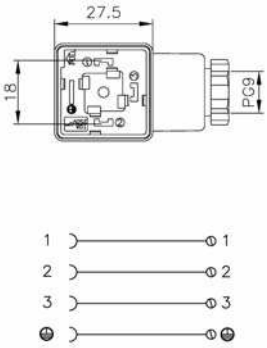
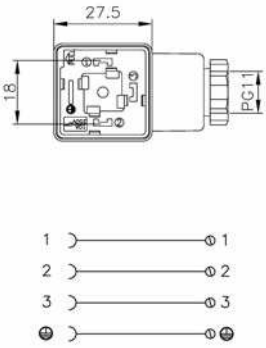
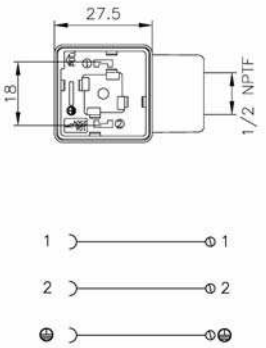
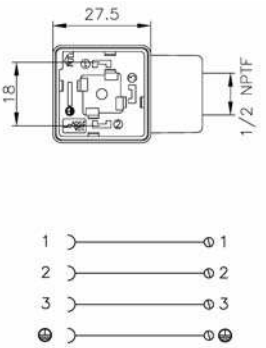
Form A - EN 175301-803 (DIN43650) / ISO 4400

Valve Connectors **KA0 - KA1 series**

SELF - ASSEMBLY CABLE

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard		EN175301-803	EN175301-803
Construction type		A	A
Description		P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12
Housing colour		black	black
Number of contacts		2+PE	2+PE
Order no.		**KA132000B9UR**	**KA132000B1UR**
Other options on request	grey housing	order no. **KA132000A9UR**	order no. **KA132000A1UR**
Cable gland		PG9 (M16 x 1,5 on request)	PG11
Max. conductor size		1,5mm² without splice/terminal	1,5mm² without splice/terminal
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max. (EN 60512-5-2 test 5b)		10 A	10 A
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Type of termination		screw M3	screw M3
Contact screw torque		max. 0,5 N/m	max. 0,5 N/m
Suitables cables		5 mm to 7 mm diameter	6 mm to 9 mm diameter
Mounting		central screw M3x32,5	central screw M3x32,5
Material			
Contact holder material		PA66 GF H2	PA66 GF H2
Housing material		PA66 GF H2	PA66 GF H2
Enviromental conditions			
Protection class (EN 60529)		IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)		3	3
Temperature range		-40°C to + 100°C	-40°C to + 100°C
Inflammability class			
Contact holder		94-V0	94-V0
Housing		94-V0	94-V0
Approvals		UL/cUL	UL/cUL
Packaging			
Packaging unit / Weight approx.		500 pieces / 14,5Kg	500 pieces / 14,5Kg
Box dimensions		80 x 30 x 22 cm	80 x 30 x 22 cm
Other accessory options			
to be ordered separately see pages 171-175			

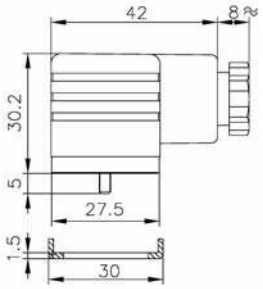
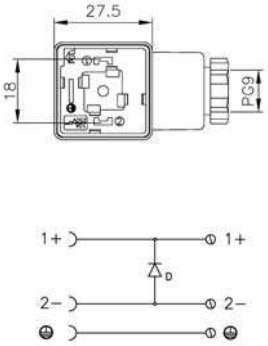
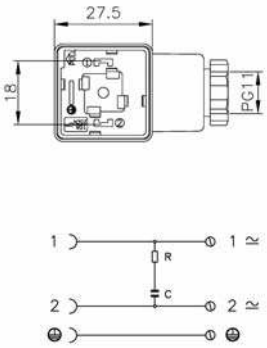
	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	A	A	A	A
	P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12
	black	black	black	black
	3+PE	3+PE	2+PE	3+PE
	KA042000B9UR	**KA042000B1UR**	**KA132000B3**	**KA042000B3**
	order no. **KA042000A9UR**	order no. **KA042000A1UR**	order no. **KA132000A3**	order no. **KA042000A3**
	PG9 (M16 x 1,5 on request)	PG11	1/2 NPTF	1/2 NPTF
	1,5mm² without splice/terminal	1,5mm² without splice/terminal	1,5mm² without splice/terminal	1,5mm² without splice/terminal
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC
	10 A	10 A	10 A	10 A
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	screw M3	screw M3	screw M3	screw M3
	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
	5 mm to 7 mm diameter	6 mm to 9 mm diameter	not included	not included
	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
	PA66 GF H2	PA66 GF H2	PA6 GF	PA6 GF
	PA66 GF H2	PA66 GF H2	PA6 GF	PA6 GF
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
	3	3	3	3
	-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°C
			-40°C to + 125°C with silicon gasket	-40°C to + 125°C with silicon gasket
	94-V0	94-V0	HB - UL 94	HB - UL 94
	94-V0	94-V0	HB - UL 94	HB - UL 94
	UL/cUL	UL/cUL		
	500 pieces / 14,5Kg	500 pieces / 14,5Kg	500 pieces / 14Kg	500 pieces / 14Kg
	80 x 30 x 22 cm	80 x 30 x 22 cm	80 x 30 x 22 cm	80 x 30 x 22 cm
			NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
			Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
			Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

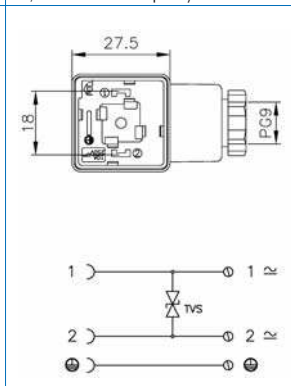
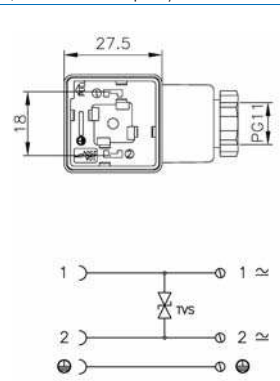
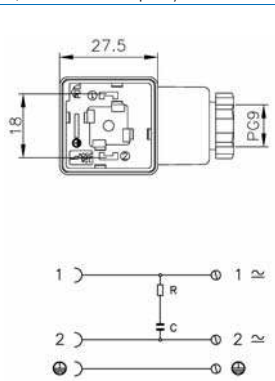
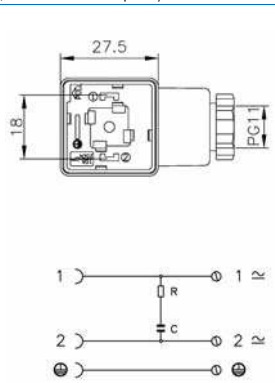
Form A - EN 175301-803 (DIN43650) / ISO 4400

Valve Connectors **KA1** series

SELF - ASSEMBLY CABLE

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard	EN175301-803	EN175301-803	
Construction type	A	A	
Description	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 protective diode	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 protective diode	
Housing colour	black	black	
Number of contacts	2+PE	2+PE	
Order no.	**KA132D10B9**	**KA132D10B1**	
Other options on request grey housing	order no. **KA132D10A9**	order no. **KA132D10A1**	
Cable gland	PG9 (M16x1,5 on request)	PG11	
Max. conductor size	1,5mm² without splice/terminal	1,5mm² without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
Rated voltage	0 ... 230V DC	0 ... 230V DC	
Rated current max.	4 A	4 A	
Suppressor	Diode 1A 1000V	Diode 1A 1000V	
LED colour			
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitables cables	5 mm to 7 mm diameter	6 mm to 9 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA6 GF	PA6 GF	
Enviromental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-40°C to + 100°C	-40°C to + 100°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	100 pieces / 2,5Kg	100 pieces / 2,5Kg	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessories options			
to be ordered separately see pages 171-175	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	
s	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	

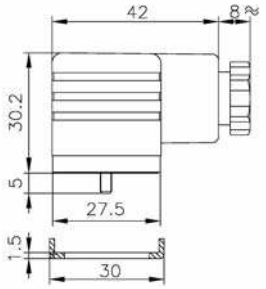
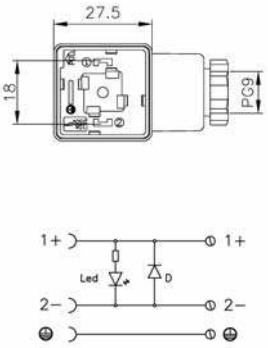
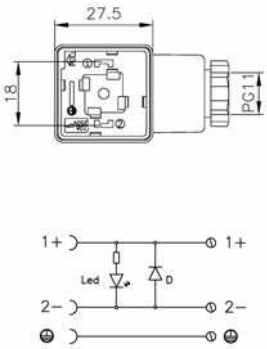
	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	A	A	A	A
	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 TVS protective diode (transil)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 TVS protective diode (transil)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 RC protective circuit	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 RC protective circuit
	black	black	black	black
	2+PE	2+PE	2+PE	2+PE
	KA132T11B9	**KA132T11B1**	**KA132C12B9**	**KA132C12B1**
	order no. **KA132T11A9**	order no. **KA132T11A1**	order no. **KA132C12A9**	order no. **KA132C12A1**
	PG9 (M16x1,5 on request)	PG11	PG9 (M16x1,5 on request)	PG11
	1,5mm² without splice/terminal	1,5mm² without splice/terminal	1,5mm² without splice/terminal	1,5mm² without splice/terminal
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	24V AC/DC	24V AC/DC	130 VAC - 250 VDC max	130 VAC - 250 VDC max
	4 A	4 A	4 A	4 A
	TVS Vbr max.=37,8V Peak=400W	TVS Vbr max.=37,8V Peak=400W	Filter RC C=0,33 µF R=100 Ω	Filter RC C=0,33 µF R=100 Ω
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	screw M3	screw M3	screw M3	screw M3
	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
	5 mm to 7 mm diameter	6 mm to 9 mm diameter	5 mm to 7 mm diameter	6 mm to 9 mm diameter
	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
	3	3	3	3
	-40°C to + 100°C	-40°C to + 100°C	-40°C to + 80°C	-40°C to + 80°C
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400

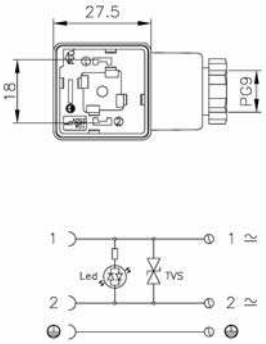
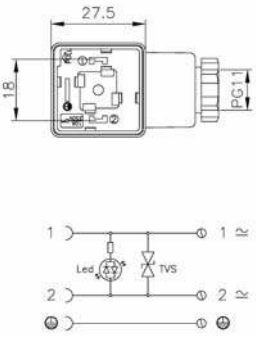
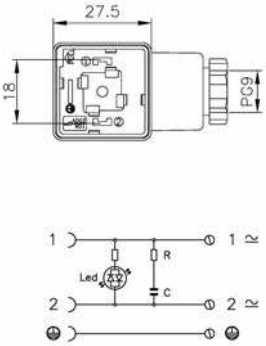
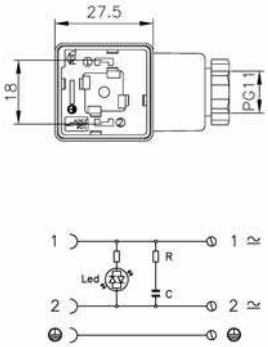
Valve Connectors **KA1** series

SELF - ASSEMBLY CABLE

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard		EN175301-803	EN175301-803
Construction type		A	A
Description		P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and protective circuit (diode)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and protective circuit (diode)
Housing colour		transparent	transparent
Number of contacts		2+PE	2+PE
Order no.		**KA132D54T9**	**KA132D54T1**
Other options on request	led colour red	order no. **KA132D57T9**	order no. **KA132D57T1**
	led colour green	order no. **KA132D5AT9**	order no. **KA132D5AT1**
Cable gland		PG9 (M16x1,5 on request)	PG11
Max. conductor size		1,5mm² without splice/terminal	1,5mm² without splice/terminal
Drawing			
			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V DC	24 V DC
Rated current max.		4 A	4 A
Suppressor		Diode 1A 1000V	Diode 1A 1000V
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Type of termination		screw M3	screw M3
Contact screw torque		max. 0,5 N/m	max. 0,5 N/m
Suitables cables		5 mm to 7 mm diameter	6 mm to 9 mm diameter
Mounting		central screw M3x32,5	central screw M3x32,5
Material			
Contact holder material		PA6 GF	PA6 GF
Housing material		PA12	PA12
Enviromental conditions			
Protection class (EN 60529)		IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)		3	3
Temperature range		-20°C to + 80°C	-20°C to + 80°C
Inflammability class			
Contact holder		HB - UL 94	HB - UL 94
Housing		HB - UL 94	HB - UL 94
Packaging			
Packaging unit / Weight approx.		100 pieces / 2,5Kg	100 pieces / 2,5Kg
Box dimensions		29 x 15 x 18 cm	29 x 15 x 18 cm
Other accessories options			
to be ordered separately see pages 171-175		NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
		Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
		Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

SELF - ASSEMBLY CABLE

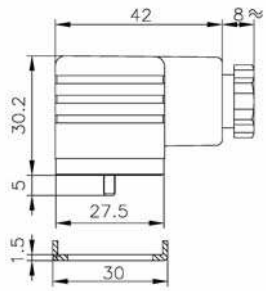
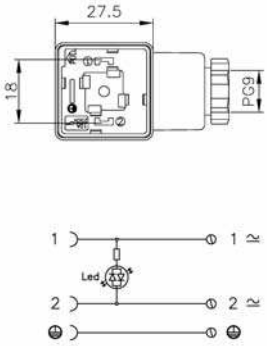
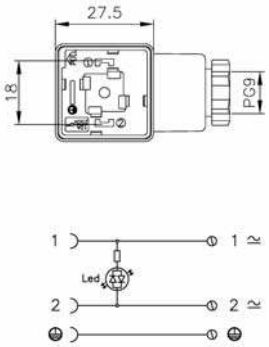
	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	A	A	A	A
	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and TVS protective circuit (transil)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and TVS protective circuit (transil)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and RC protective circuit	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and RC protective circuit
	transparent	transparent	transparent	transparent
	2+PE	2+PE	2+PE	2+PE
	KA132T54T9	**KA132T54T1**	**KA132C54T9**	**KA132C54T1**
	order no. **KA132T57T9**	order no. **KA132T57T1**		
	order no. **KA132T5AT9**	order no. **KA132T5AT1**		
	PG9 (M16x1,5 on request)	PG11	PG9 (M16x1,5 on request)	PG11
	1,5mm² without splice/terminal	1,5mm² without splice/terminal	1,5mm² without splice/terminal	1,5mm² without splice/terminal
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC
	4 A	4 A	4 A	4 A
	TVS Vbr max.=37,8V Peak=400W	TVS Vbr max.=37,8V Peak =400W	Filter RC C=0,1 µF R=100 Ω	Filter RC C=0,1 µF R=100 Ω
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	screw M3	screw M3	screw M3	screw M3
	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
	5 mm to 7 mm diameter	6 mm to 9 mm diameter	5 mm to 7 mm diameter	6 mm to 9 mm diameter
	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	PA12	PA12	PA12	PA12
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
	3	3	3	3
	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

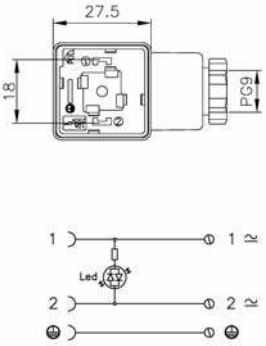
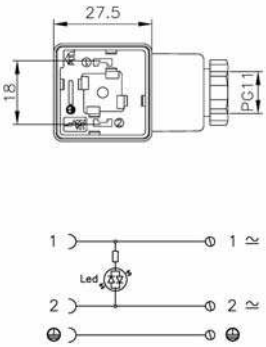
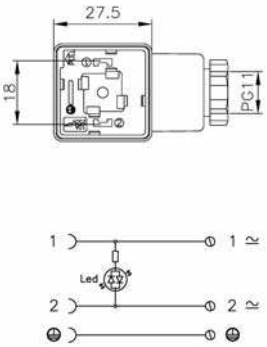
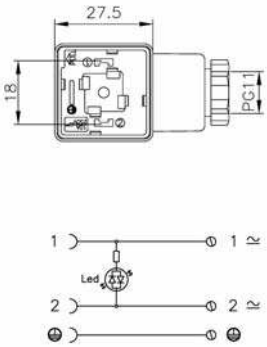
Form A - EN 175301-803 (DIN43650) / ISO 4400

Valve Connectors **KA1** series

SELF - ASSEMBLY CABLE

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard		EN175301-803	EN175301-803
Construction type		A	A
Description		P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)
Housing colour		transparent	transparent
Number of contacts		2+PE	2+PE
Order no.		**KA132L34T9**	**KA132L35T9**
Other options on request	led colour red	order no. **KA132L37T9**	order no. **KA132L38T9**
	led colour green	order no. **KA132L3AT9**	order no. **KA132L3BT9**
Cable gland		PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)
Max. conductor size		1,5mm² without splice/terminal	1,5mm² without splice/terminal
Drawing				
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V AC/DC	115 V AC/DC
Rated current max.		8 A	8 A
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Type of termination		screw M3	screw M3
Contact screw torque		max. 0,5 N/m	max. 0,5 N/m
Suitables cables		5 mm to 7 mm diameter	5 mm to 7 mm diameter
Mounting		central screw M3x32,5	central screw M3x32,5
Material			
Contact holder material		PA6 GF	PA6 GF
Housing material		PA12	PA12
Enviromental conditions			
Protection class (EN 60529)		IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)		3	3
Temperature range		-20°C to + 80°C	-20°C to + 80°C
Inflammability class			
Contact holder		HB - UL 94	HB - UL 94
Housing		HB - UL 94	HB - UL 94
Packaging			
Packaging unit / Weight approx.		100 pieces / 2,5Kg	100 pieces / 2,5Kg
Box dimensions		29 x 15 x 18 cm	29 x 15 x 18 cm
Other accessories options			
to be ordered separately see pages 171-175		NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
		Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
		Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

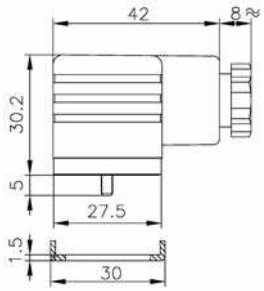
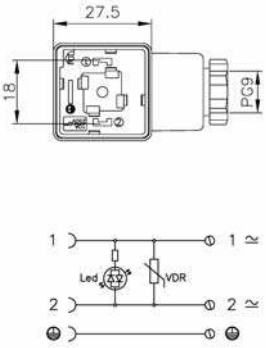
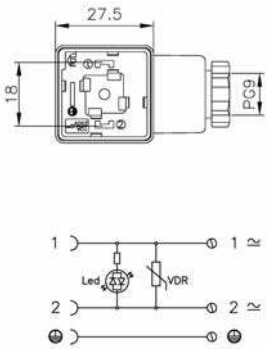
	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	A	A	A	A
	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)
	transparent	transparent	transparent	transparent
	2+PE	2+PE	2+PE	2+PE
	KA132L36T9	**KA132L34T1**	**KA132L35T1**	**KA132L36T1**
	order no. **KA132L39T9**	order no. **KA132L37T1**	order no. **KA132L38T1**	order no. **KA132L39T1**
	order no. **KA132L3CT9**	order no. **KA132L3AT1**	order no. **KA132L3BT1**	order no. **KA132L3CT1**
	PG9 (M16x1,5 on request)	PG11	PG11	PG11
	1,5mm² without splice/terminal	1,5mm² without splice/terminal	1,5mm² without splice/terminal	1,5mm² without splice/terminal
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	230 V AC/DC	24 V AC/DC	115 V AC/DC	230 V AC/DC
	8 A	8 A	8 A	8 A
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	screw M3	screw M3	screw M3	screw M3
	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
	5 mm to 7 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter
	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	PA12	PA12	PA12	PA12
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
	3	3	3	3
	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

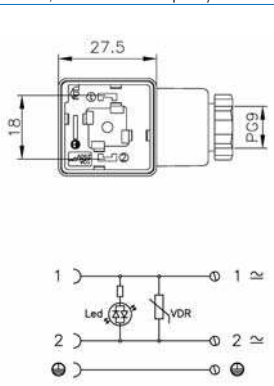
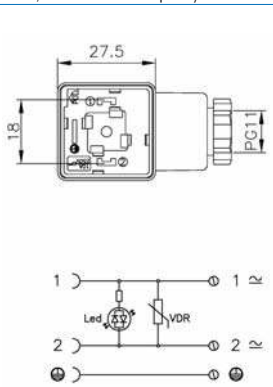
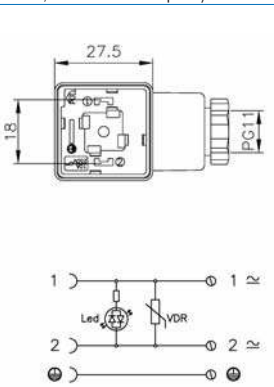
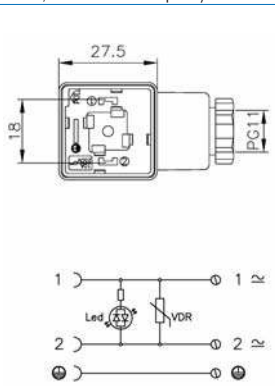
Form A - EN 175301-803 (DIN43650) / ISO 4400

Valve Connectors **KA1** series

SELF - ASSEMBLY CABLE

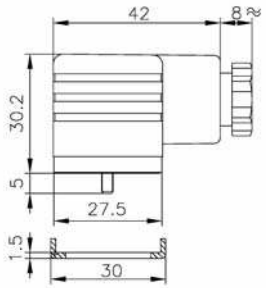
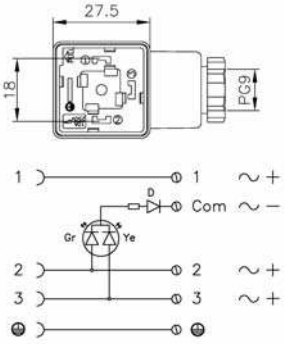
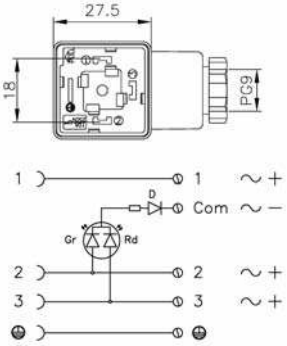
Form A - EN 175301-803 (DIN43650) / ISO 4400

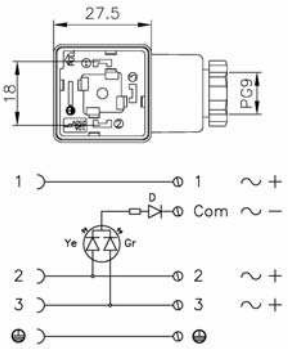
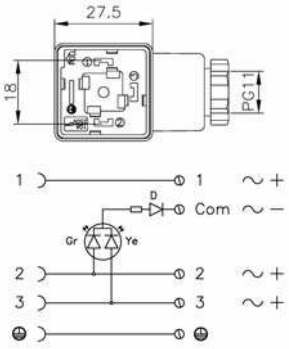
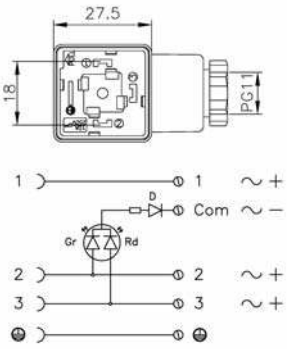
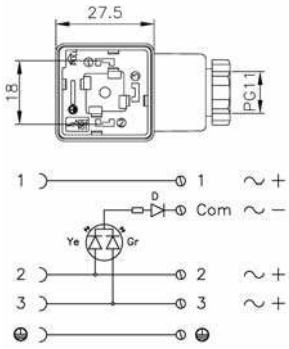
Product description			
Standard		EN175301-803	EN175301-803
Construction type		A	A
Description		P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor)
Housing colour		transparent	transparent
Number of contacts		2+PE	2+PE
Order no.		**KA132V54T9**	**KA132V55T9**
Other options on request	led colour red	order no. **KA132V57T9**	order no. **KA132V58T9**
	led colour green	order no. **KA132V5AT9**	order no. **KA132V5BT9**
Cable gland		PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)
Max. conductor size		max. 1,5mm² without splice/terminal	max. 1,5mm² without splice/terminal
Drawing		 	
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V AC/DC	115 V AC/DC
Rated current max.		5 A	5 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Type of termination		screw M3	screw M3
Contact screw torque		max. 0,5 N/m	max. 0,5 N/m
Suitables cables		5 mm to 7 mm diameter	5 mm to 7 mm diameter
Mounting		central screw M3x32,5	central screw M3x32,5
Material			
Contact holder material		PA6 GF	PA6 GF
Housing material		PA12	PA12
Enviromental conditions			
Protection class (EN 60529)		IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)		3	3
Temperature range		-20°C to + 80°C	-20°C to + 80°C
Inflammability class			
Contact holder		HB - UL 94	HB - UL 94
Housing		HB - UL 94	HB - UL 94
Packaging			
Packaging unit / Weight approx.		100 pieces / 2,5Kg	100 pieces / 2,5Kg
Box dimensions		29 x 15 x 18 cm	29 x 15 x 18 cm
Other accessories options			
to be ordered separately see pages 171-175		NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
		Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
		Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	A	A	A	A
	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor)
	transparent	transparent	transparent	transparent
	2+PE	2+PE	2+PE	2+PE
	KA132V56T9	**KA132V54T1**	**KA132V55T1**	**KA132V56T1**
	order no. **KA132V59T9**	order no. **KA132V57T1**	order no. **KA132V58T1**	order no. **KA132V59T1**
	order no. **KA132V5CT9**	order no. **KA132V5AT1**	order no. **KA132V5BT1**	order no. **KA132V5CT1**
	PG9 (M16x1,5 on request)	PG11	PG11	PG11
	max. 1,5mm² without splice/terminal	max. 1,5mm² without splice/terminal	max. 1,5mm² without splice/terminal	max. 1,5mm² without splice/terminal
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	230 V AC/DC	24 V AC/DC	115 V AC/DC	230 V AC/DC
	5 A	5 A	5 A	5 A
	VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	screw M3	screw M3	screw M3	screw M3
	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
	5 mm to 7 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter
	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	PA12	PA12	PA12	PA12
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
	3	3	3	3
	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard	EN175301-803	EN175301-803	
Construction type	A	A	
Description	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator bi-colour LED for pressure switch device	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator bi-colour LED for pressure switch device	
Housing colour	transparent	transparent	
Number of contacts	3+PE	3+PE	
Order no.	**KA042P1YT9**	**KA042P2YT9**	
Cable gland	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	
Max. conductor size	1mm² without splice/terminal	1mm² without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
Voltage	24 V AC/DC	24 V AC/DC	
Rated current max.	4 A	4 A	
LED colour	LED yellow (pin 3) LED green (pin 2)	LED red (pin 3) LED green (pin 2)	
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitables cables	5 mm to 7 mm diameter	5 mm to 7 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA12	PA12	
Enviromental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-20°C to + 80°C	-20°C to + 80°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	100 pieces / 2,5Kg	100 pieces / 2,5Kg	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessories options			
to be ordered separately see pages 171-175	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	

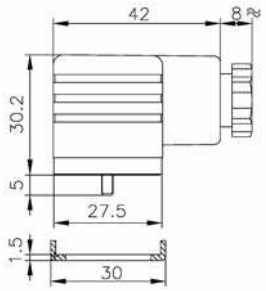
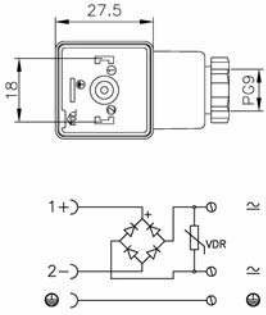
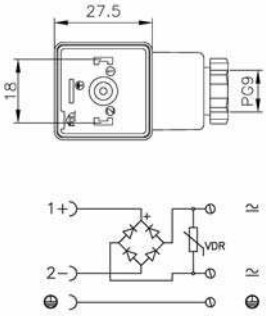
	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	A	A	A	A
	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator bi-colour LED for pressure switch device	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator bi-colour LED for pressure switch device	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator bi-colour LED for pressure switch device	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator bi-colour LED for pressure switch device
	transparent	transparent	transparent	transparent
	3+PE	3+PE	3+PE	3+PE
	KA042P3YT9	**KA042P1YT1**	**KA042P2YT1**	**KA042P3YT1**
	PG9 (M16x1,5 on request)	PG11	PG11	PG11
	1mm² without splice/terminal	1mm² without splice/terminal	1mm² without splice/terminal	1mm² without splice/terminal
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC
	4 A	4 A	4 A	4 A
	LED green (pin 3) LED yellow (pin 2)	LED yellow (pin 3) LED green (pin 2)	LED red (pin 3) LED green (pin 2)	LED green (pin 3) LED yellow (pin 2)
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	screw M3	screw M3	screw M3	screw M3
	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
	5 mm to 7 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter
	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	PA12	PA12	PA12	PA12
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
	3	3	3	3
	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400

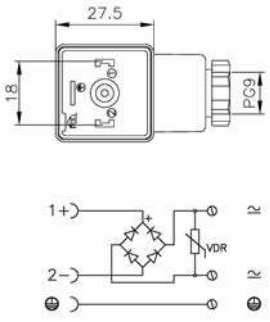
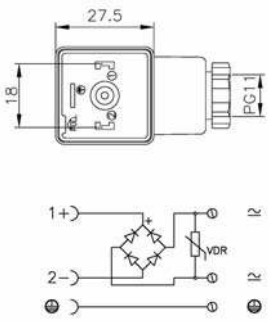
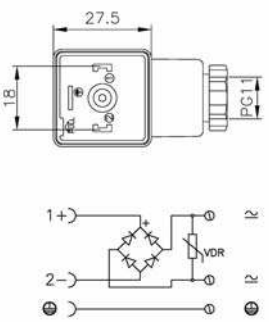
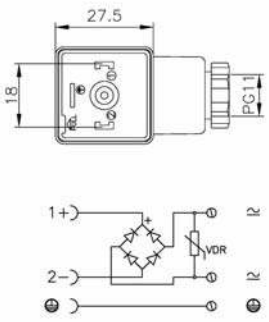
Valve Connectors **KA1** series

SELF - ASSEMBLY CABLE

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard	EN175301-803	EN175301-803	
Construction type	A	A	
Description	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	
Housing colour	black	black	
Number of contacts	2+PE	2+PE	
Order no.	**KA132R11B9**	**KA132R12B9**	
Other options on request grey housing	order no. **KA132R11A9**	order no. **KA132R12A9**	
Cable gland	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	
Max. conductor size	1mm² without splice/terminal	1mm² without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
Voltage	Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	
Rated current max.	1 A	1 A	
Suppressor	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	
LED colour			
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitables cables	5 mm to 7 mm diameter	5 mm to 7 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA6 GF	PA6 GF	
Enviromental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-40°C to + 80°C	-40°C to + 80°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	100 pieces / 2,7Kg	100 pieces / 2,7Kg	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessories options			
to be ordered separately see pages 171-175	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	

SELF - ASSEMBLY CABLE

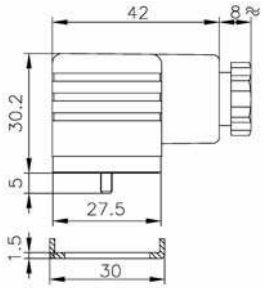
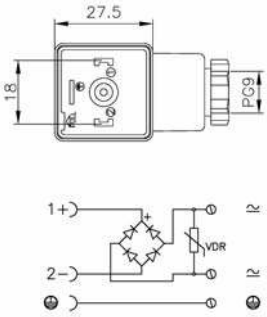
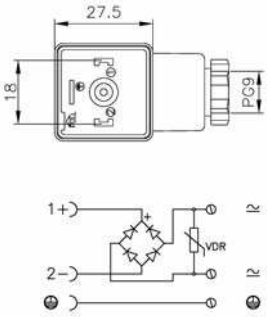
	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	A	A	A	A
	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)
	black	black	black	black
	2+PE	2+PE	2+PE	2+PE
	KA132R13B9	**KA132R11B1**	**KA132R12B1**	**KA132R13B1**
	order no. **KA132R13A9**	order no. **KA132R11A1**	order no. **KA132R12A1**	order no. **KA132R13A1**
	PG9 (M16x1,5 on request)	PG11	PG11	PG11
	1mm² without splice/terminal	1mm² without splice/terminal	1mm² without splice/terminal	1mm² without splice/terminal
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	Input 230 VAC ; Output 207 VDC	Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	Input 230 VAC ; Output 207 VDC
	1 A	1 A	1 A	1 A
	VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	screw M3	screw M3	screw M3	screw M3
	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
	5 mm to 7 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter
	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
	3	3	3	3
	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

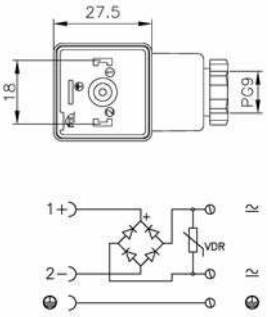
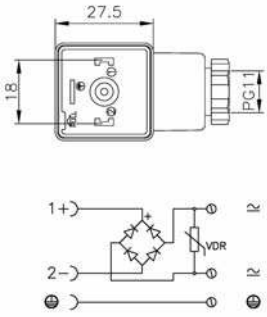
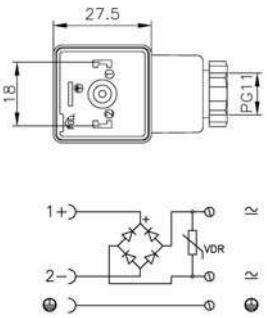
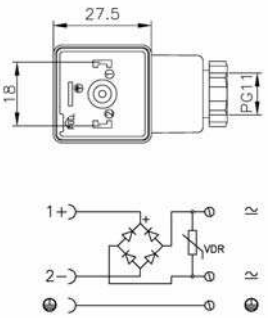
Form A - EN 175301-803 (DIN43650) / ISO 4400

Valve Connectors **KA1** series

SELF - ASSEMBLY CABLE

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description				
Standard		EN175301-803	EN175301-803	
Construction type		A	A	
Description		P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	
Housing colour		black	black	
Number of contacts		2+PE	2+PE	
Order no.		**KA132R21B9**	**KA132R22B9**	
Other options on request	grey housing	order no. **KA132R21A9**	order no. **KA132R22A9**	
Cable gland		PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	
Max. conductor size		1mm² without splice/terminal	1mm² without splice/terminal	
Drawing				
Technical data				
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
Voltage		Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	
Rated current max.		4 A	4 A	
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	
LED colour				
Contact resistance		15mΩ max.	15mΩ max.	
Overvoltage category		III	III	
Type of termination		screw M3	screw M3	
Contact screw torque		max. 0,5 N/m	max. 0,5 N/m	
Suitables cables		5 mm to 7 mm diameter	5 mm to 7 mm diameter	
Mounting		central screw M3x32,5	central screw M3x32,5	
Material				
Contact holder material		PA6 GF	PA6 GF	
Housing material		PA6 GF	PA6 GF	
Enviromental conditions				
Protection class (EN 60529)		IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)		3	3	
Temperature range		-40°C to + 80°C	-40°C to + 80°C	
Inflammability class				
Contact holder		HB - UL 94	HB - UL 94	
Housing		HB - UL 94	HB - UL 94	
Packaging				
Packaging unit / Weight approx.		100 pieces / 2,7Kg	100 pieces / 2,7Kg	
Box dimensions		29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessories options				
to be ordered separately see pages 171-175		NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	
		Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	
		Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	

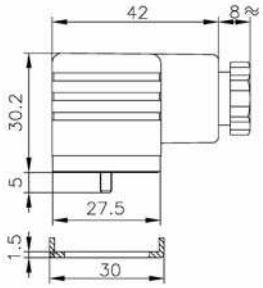
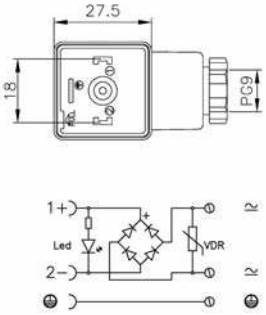
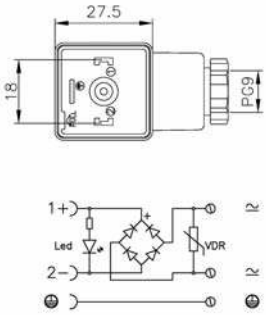
	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	A	A	A	A
	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)
	black	black	black	black
	2+PE	2+PE	2+PE	2+PE
	KA132R23B9	**KA132R21B1**	**KA132R22B1**	**KA132R23B1**
	order no. **KA132R23A9**	order no. **KA132R21A1**	order no. **KA132R22A1**	order no. **KA132R23A1**
	PG9 (M16x1,5 on request)	PG11	PG11	PG11
	1mm² without splice/terminal	1mm² without splice/terminal	1mm² without splice/terminal	1mm² without splice/terminal
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	Input 230 VAC ; Output 207 VDC	Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	Input 230 VAC ; Output 207 VDC
	4 A	4 A	4 A	4 A
	VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	screw M3	screw M3	screw M3	screw M3
	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
	5 mm to 7 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter
	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
	3	3	3	3
	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

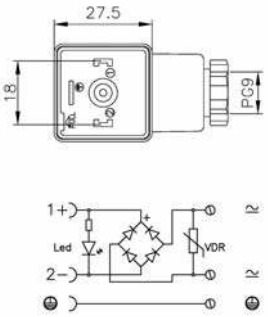
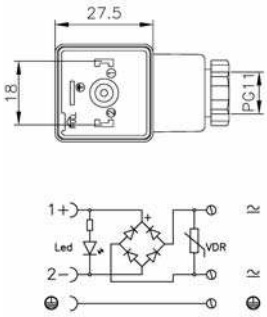
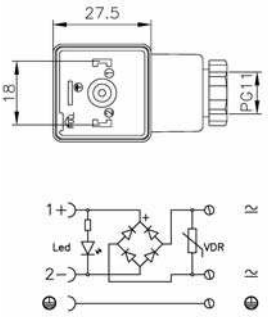
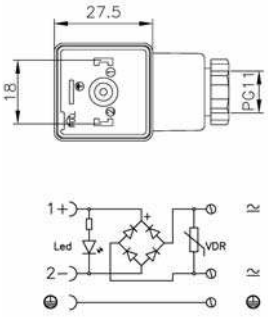
Form A - EN 175301-803 (DIN43650) / ISO 4400

Valve Connectors **KA1** series

SELF - ASSEMBLY CABLE

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard		EN175301-803	EN175301-803
Construction type		A	A
Description		P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)
Housing colour		transparent	transparent
Number of contacts		2+PE	2+PE
Order no.		**KA132R54T9**	**KA132R55T9**
Other options on request	led colour red	order no. **KA132R57T9**	order no. **KA132R58T9**
	led colour green	order no. **KA132R5AT9**	order no. **KA132R5BT9**
Cable gland		PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)
Max. conductor size		1mm² without splice/terminal	1mm² without splice/terminal
Drawing		 	
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC
Rated current max.		1 A	1 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Type of termination		screw M3	screw M3
Contact screw torque		max. 0,5 N/m	max. 0,5 N/m
Suitables cables		5 mm to 7 mm diameter	5 mm to 7 mm diameter
Mounting		central screw M3x32,5	central screw M3x32,5
Material			
Contact holder material		PA6 GF	PA6 GF
Housing material		PA12	PA12
Enviromental conditions			
Protection class (EN 60529)		IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)		3	3
Temperature range		-20°C to + 80°C	-20°C to + 80°C
Inflammability class			
Contact holder		HB - UL 94	HB - UL 94
Housing		HB - UL 94	HB - UL 94
Packaging			
Packaging unit / Weight approx.		100 pieces / 2,7Kg	100 pieces / 2,7Kg
Box dimensions		29 x 15 x 18 cm	29 x 15 x 18 cm
Other accessories options			
to be ordered separately see pages 171-175		NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
		Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
		Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

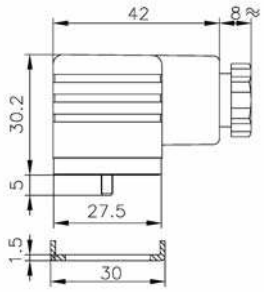
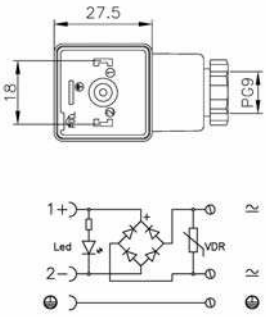
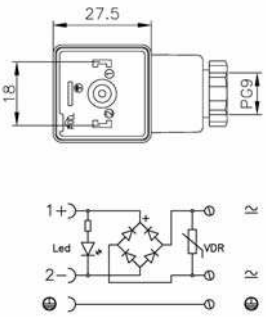
	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	A	A	A	A
	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)
	transparent	transparent	transparent	transparent
	2+PE	2+PE	2+PE	2+PE
	KA132R56T9	**KA132R54T1**	**KA132R55T1**	**KA132R56T1**
	order no. **KA132R59T9**	order no. **KA132R57T1**	order no. **KA132R58T1**	order no. **KA132R59T1**
	order no. **KA132R5CT9**	order no. **KA132R5AT1**	order no. **KA132R5BT1**	order no. **KA132R5CT1**
	PG9 (M16x1,5 on request)	PG11	PG11	PG11
	1mm² without splice/terminal	1mm² without splice/terminal	1mm² without splice/terminal	1mm² without splice/terminal
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	Input 230 VAC ; Output 207 VDC	Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	Input 230 VAC ; Output 207 VDC
	1 A	1 A	1 A	1 A
	VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	screw M3	screw M3	screw M3	screw M3
	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
	5 mm to 7 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter
	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	PA12	PA12	PA12	PA12
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
	3	3	3	3
	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

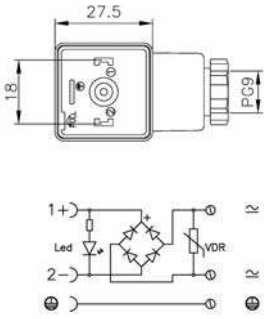
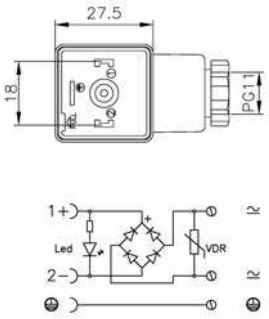
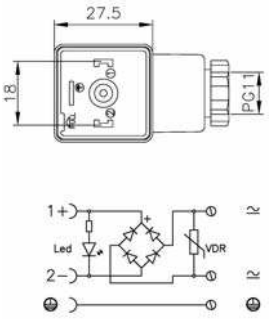
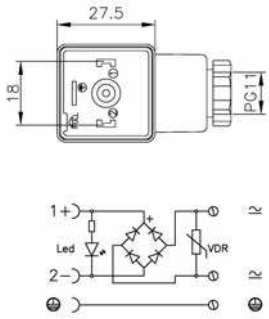
Form A - EN 175301-803 (DIN43650) / ISO 4400

Valve Connectors **KA1** series

SELF - ASSEMBLY CABLE

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard	EN175301-803	EN175301-803	
Construction type	A	A	
Description	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	
Housing colour	transparent	transparent	
Number of contacts	2+PE	2+PE	
Order no.	**KA132RB4T9**	**KA132RB5T9**	
Other options on request			
Cable gland	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	
Max. conductor size	1mm² without splice/terminal	1mm² without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
Voltage	Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	
Rated current max.	2 A	2 A	
Suppressor	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	
LED colour	yellow	yellow	
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitables cables	5 mm to 7 mm diameter	5 mm to 7 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA12	PA12	
Enviromental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-20°C to + 80°C	-20°C to + 80°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	100 pieces / 2,7Kg	100 pieces / 2,7Kg	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessories options			
to be ordered separately see pages 171-175	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	

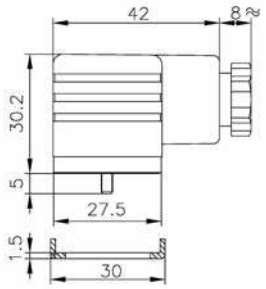
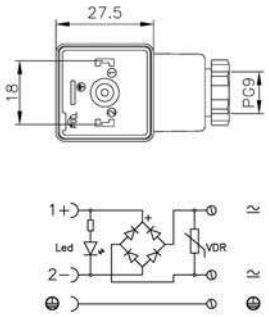
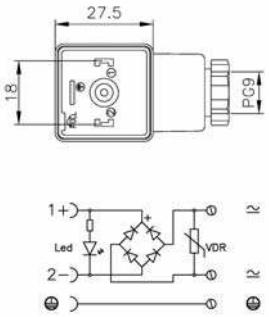
	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	A	A	A	A
	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)
	transparent	transparent	transparent	transparent
	2+PE	2+PE	2+PE	2+PE
	KA132RB6T9	**KA132RB4T1**	**KA132RB5T1**	**KA132RB6T1**
	PG9 (M16x1,5 on request)	PG11	PG11	PG11
	1mm² without splice/terminal	1mm² without splice/terminal	1mm² without splice/terminal	1mm² without splice/terminal
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	Input 230 VAC ; Output 207 VDC	Input 115 VAC ; Output 103 VDC	Input 115 VAC ; Output 103 VDC	Input 230 VAC ; Output 207 VDC
	2 A	2 A	2 A	2 A
	VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	screw M3	screw M3	screw M3	screw M3
	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
	5 mm to 7 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter
	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	PA12	PA12	PA12	PA12
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
	3	3	3	3
	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

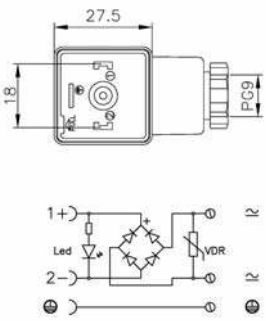
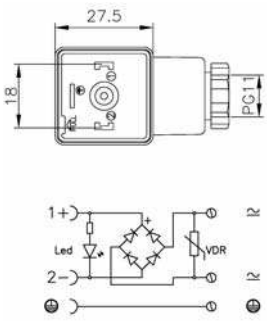
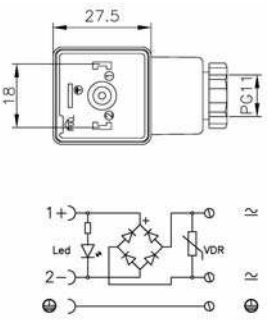
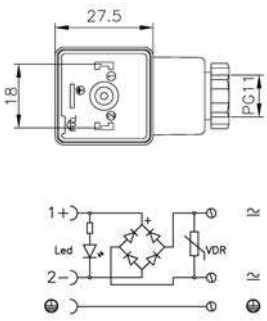
Form A - EN 175301-803 (DIN43650) / ISO 4400

Valve Connectors **KA1** series

SELF-ASSEMBLY CABLE

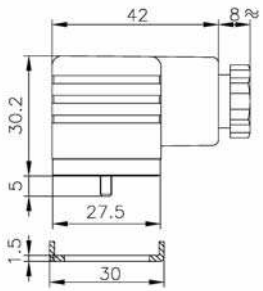
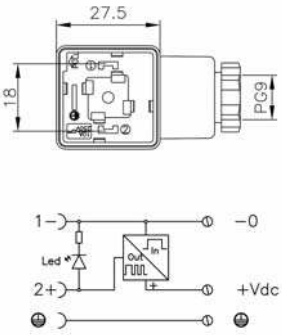
Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard	EN175301-803	EN175301-803	
Construction type	A	A	
Description	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	
Housing colour	transparent	transparent	
Number of contacts	2+PE	2+PE	
Order no.	**KA132R64T9**	**KA132R65T9**	
Other options on request			
Cable gland	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	
Max. conductor size	1mm² without splice/terminal	1mm² without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
Voltage	Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	
Rated current max.	4 A	4 A	
Suppressor	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	
LED colour	yellow	yellow	
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitables cables	5 mm to 7 mm diameter	5 mm to 7 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA12	PA12	
Enviromental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-20°C to + 80°C	-20°C to + 80°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	100 pieces / 2,7Kg	100 pieces / 2,7Kg	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessories options			
to be ordered separately see pages 171-175	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	

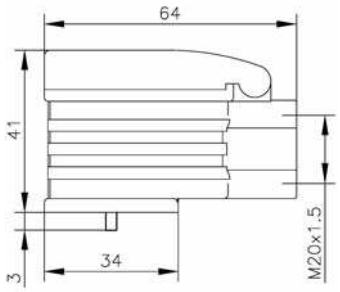
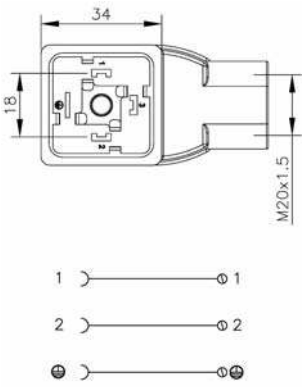
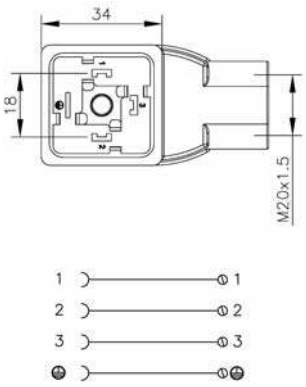
	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	A	A	A	A
	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)
	transparent	transparent	transparent	transparent
	2+PE	2+PE	2+PE	2+PE
	KA132R66T9	**KA132R64T1**	**KA132R65T1**	**KA132R66T1**
	PG9 (M16x1,5 on request)	PG11	PG11	PG11
	1mm² without splice/terminal	1mm² without splice/terminal	1mm² without splice/terminal	1mm² without splice/terminal
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	Input 230 VAC ; Output 207 VDC	Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	Input 230 VAC ; Output 207 VDC
	4 A	4 A	4 A	4 A
	VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	screw M3	screw M3	screw M3	screw M3
	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
	5 mm to 7 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter
	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	PA12	PA12	PA12	PA12
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
	3	3	3	3
	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400

Form A - EN 175301-803 (DIN43650) / ISO 4400

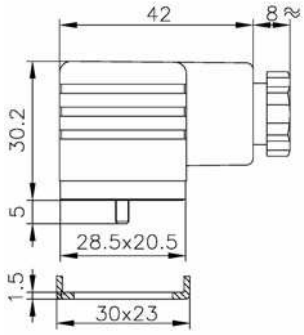
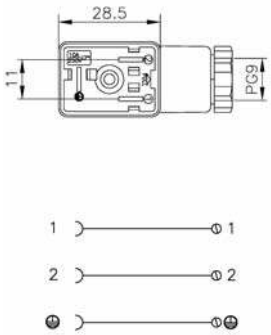
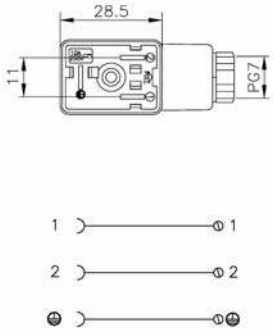
Product description		
Standard	EN175301-803	EN175301-803
Construction type	A	A
Description	P18 connector with screw terminals, NBR profile gasket, (PE) earth position H12. With P.W.M. energy saving circuit with microprocessor. Protection against short circuit, overload and reverse polarity (in case of wrong connection). Auto regulation of the Output power as a function of the input voltage variation	
Housing colour	transparent	transparent
Number of contacts	2+PE	2+PE
Order no.	**KA132A3GT9**	**KA132A34T9**
Cable gland	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)
Max. conductor size	1mm² without splice/terminal	1mm² without splice/terminal
Drawing		
Technical data		
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Nominal Voltage	12 V DC ripple 10% (max)	24 V DC ripple 10% (max)
Rated Voltage	8 - 20 V DC	18 - 30 V DC
Max. Current	2 A	2 A
Max. Power	50 W	50 W
PWM Frequency	170 Hz	170 Hz
Start-up time	600 msec.	600 msec.
Power Reduction	40%	40%
Type of termination	screw M3	screw M3
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m
Suitables cables	5 mm to 7 mm diameter	5 mm to 7 mm diameter
Mounting	central screw M3x32,5	central screw M3x32,5
Material		
Contact holder material	PA6 GF	PA6 GF
Housing material	PA12	PA12
Enviromental conditions		
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)	3	3
Temperature range	-20°C to + 80°C	-20°C to + 80°C
Inflammability class		
Contact holder	HB - UL 94	HB - UL 94
Housing	HB - UL 94	HB - UL 94
Packaging		
Packaging unit / Weight approx.	100 pieces / 2,7Kg	100 pieces / 2,7Kg
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm
Other accessories options		
to be ordered separately see pages 171-175	We can provide a customer version, with parameterized dedicated	

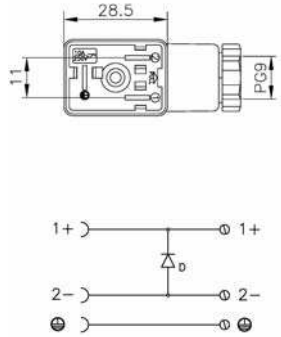
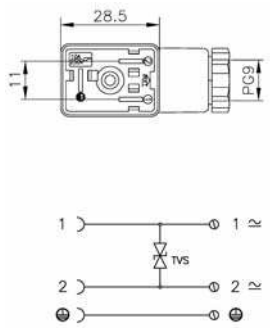
SELF - ASSEMBLY CABLE

Product description		
Standard	EN175301-803	EN175301-803
Construction type	A	A
Description	P18 connector with screw terminals NBR integrated flat gasket (PE) earth position H12	P18 connector with screw terminals NBR integrated flat gasket (PE) earth position H12
Housing colour	black	black
Number of contacts	2+PE	3+PE
Order no.	**KA235000B4**	**KA245000B4**
Other options on request		
Cable entry	M20 female	M20 female
Max. conductor size	max. 1,5mm² without splice/terminal	max. 1,5mm² without splice/terminal
Drawing			
Technical data		
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Rated voltage max.	250 V AC/DC	250 V AC/DC
Rated current max. IEC512-3 test 5b	10 A	10 A
Contact resistance	15mΩ max.	15mΩ max.
Overvoltage category	III	III
Type of termination	screw M3	screw M3
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m
Suitables cables		
Mounting	central screw M3x42	central screw M3x42
Material		
Contact holder material	PA6 GF	PA6 GF
Housing material	PA6 GF	PA6 GF
Cover material	PA12	PA12
Enviromental conditions		
Protection class with cable gland C111303 (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)	3	3
Temperature range	-40°C to + 100°C	-40°C to + 100°C
Inflammability class		
Contact holder	HB - UL 94	HB - UL 94
Housing	HB - UL 94	HB - UL 94
Packaging		
Packaging unit / Weight approx.	10 pieces / 0,5Kg	10 pieces / 0,5Kg
Box dimensions	19 x 13 x 9 cm	19 x 13 x 9 cm
Other accessories options		
to be ordered separately see pages 171-175	Male M20 cable gland	Male M20 cable gland
	suitable for cable O.D. 7....13mm	suitable for cable O.D. 7....13mm
	Order number C111303	Order number C111303

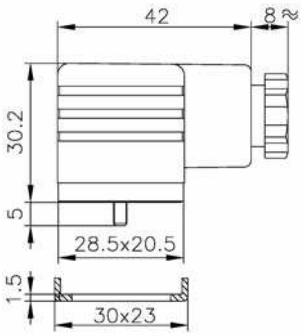
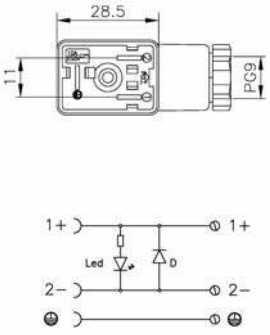
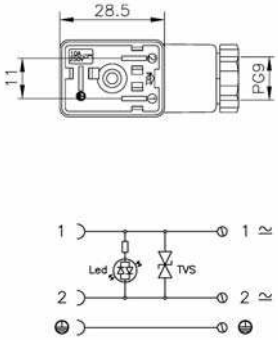
Form A - EN 175301-803 (DIN43650) / ISO 4400

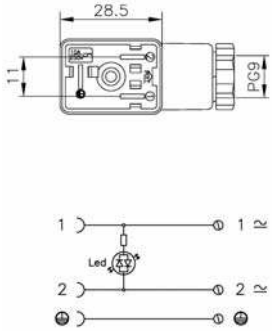
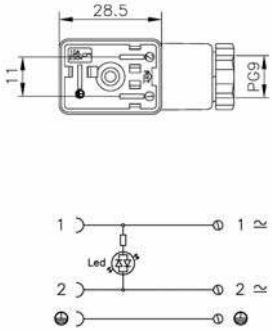
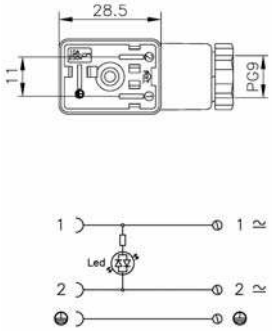
Form B - INDUSTRIAL

Product description			
Standard	Industrial standard (11 mm)	Industrial standard (11 mm)	
Construction type	B	B	
Description	P11 connector with screw terminals NBR profile gasket (PE) earth position H12	P11 connector with screw terminals NBR profile gasket (PE) earth position H12	
Housing colour	black	black	
Number of contacts	2+PE	2+PE	
Order no.	**KB132000B9**	**KB132000B7**	
Other options on request	grey housing, order no. **KB132000A9**		
Cable gland	PG9 (M16x1,5 on request)	PG7	
Max. conductor size	1,5mm^2 without splice/terminal	1,5mm^2 without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm	6,3 x 0,8mm	
Voltage	250 V AC/DC max.	250 V AC/DC max.	
Rated current max.	10 A (EN 60512-5-2 test 5b)	10 A (EN 60512-5-2 test 5b)	
Suppressor			
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitables cables	5 mm to 7 mm diameter	4 mm to 6 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA6 GF	PA6 GF	
Enviromental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-40°C to + 100°C	-40°C to + 100°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Approvals	VDE		
Packaging			
Packaging unit / Weight approx.	500 pieces / 14,5Kg	500 pieces / 14,5Kg	
Box dimensions	80 x 30 x 22 cm	80 x 30 x 22 cm	
Other accessory options			
to be ordered separately see pages 171-175	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	

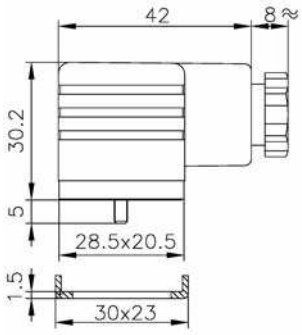
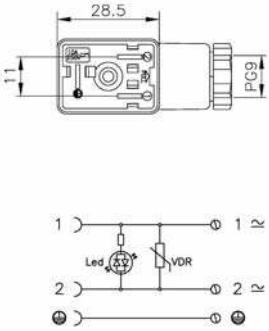
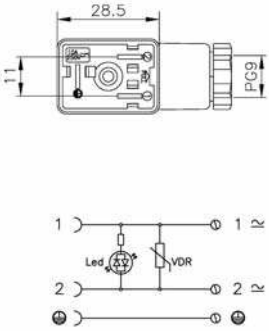
	Industrial standard (11 mm)	Industrial standard (11 mm)		
	B	B		
	P11 connector with screw terminals NBR profile gasket (PE) earth position H12	P11 connector with screw terminals NBR profile gasket (PE) earth position H12		
	black	black		
	2+PE	2+PE		
	KB132D10B9	**KB132T11B9**		
	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)		
	1,5mm² without splice/terminal	1,5mm² without splice/terminal		
				
	6,3 x 0,8mm	6,3 x 0,8mm		
	0 ... 230V DC	24 V AC/DC		
	4 A	4 A		
	Diode 1A 1000V	TVS Vbr max.=37,8V Peak=400W		
	15mΩ max.	15mΩ max.		
	III	III		
	screw M3	screw M3		
	max. 0,5 N/m	max. 0,5 N/m		
	5 mm to 7 mm diameter	5 mm to 7 mm diameter		
	central screw M3x32,5	central screw M3x32,5		
	PA6 GF	PA6 GF		
	PA6 GF	PA6 GF		
	IP 65 when correctly assembled	IP 65 when correctly assembled		
	3	3		
	-40°C to + 100°C	-40°C to + 100°C		
	HB - UL 94	HB - UL 94		
	HB - UL 94	HB - UL 94		
	100 pieces / 2,5Kg	100 pieces / 2,5Kg		
	29 x 15 x 18 cm	29 x 15 x 18 cm		
	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag		
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag		

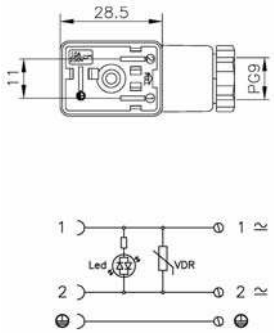
Form B - INDUSTRIAL

Product description			
Standard	Industrial standard (11 mm)	Industrial standard (11 mm)	
Construction type	B	B	
Description	P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and protective circuit (diode)	P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and TVS protective circuit (transil)	
Housing colour	transparent	transparent	
Number of contacts	2+PE	2+PE	
Order no.	**KB132D54T9**	**KB132T54T9**	
Other options on request led colour red	order no. **KB132D57T9**	order no. **KB132T57T9**	
led colour green	order no. **KB132D5AT9**	order no. **KB132T5AT9**	
Cable gland	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	
Max. conductor size	1,5mm² without splice/terminal	1,5mm² without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm	6,3 x 0,8mm	
Voltage	24 V DC	24 V AC/DC	
Rated current max.	4 A	4 A	
Suppressor	diode 1A 1000V	TVS Vbr max.=37,8V Peak=400W	
LED colour	yellow	yellow	
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitables cables	5 mm to 7 mm diameter	5 mm to 7 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA12	PA12	
Enviromental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-20°C to + 80°C	-20°C to + 80°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	100 pieces / 2,5Kg	100 pieces / 2,5Kg	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessories options			
to be ordered separately see pages 171-175	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	

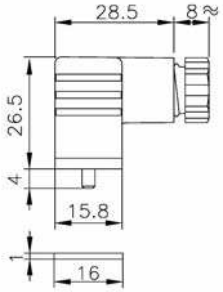
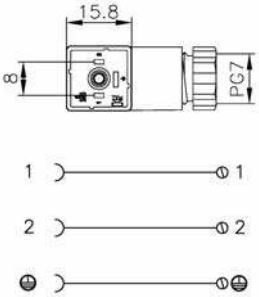
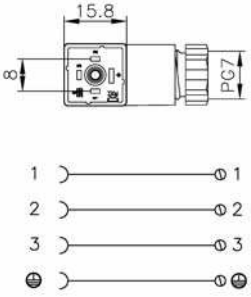
	Industrial standard (11 mm)	Industrial standard (11 mm)	Industrial standard (11 mm)	
	B	B	B	
	P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)	P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)	P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)	
	transparent	transparent	transparent	
	2+PE	2+PE	2+PE	
	KB132L34T9	**KB132L35T9**	**KB132L36T9**	
	order no. **KB132L37T9**	order no. **KB132L38T9**	order no. **KB132L39T9**	
	order no. **KB132L3AT9**	order no. **KB132L3BT9**	order no. **KB132L3CT9**	
	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	
	1,5mm² without splice/terminal	1,5mm² without splice/terminal	1,5mm² without splice/terminal	
				
	6,3 x 0,8mm	6,3 x 0,8mm	6,3 x 0,8mm	
	24 V AC/DC	115 V AC/DC	230 V AC/DC	
	8 A	8 A	8 A	
	yellow	yellow	yellow	
	15mΩ max.	15mΩ max.	15mΩ max.	
	III	III	III	
	screw M3	screw M3	screw M3	
	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	
	5 mm to 7 mm diameter	5 mm to 7 mm diameter	5 mm to 7 mm diameter	
	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	
	PA6 GF	PA6 GF	PA6 GF	
	PA12	PA12	PA12	
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	
	3	3	3	
	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	
	HB - UL 94	HB - UL 94	HB - UL 94	
	HB - UL 94	HB - UL 94	HB - UL 94	
	100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg	
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	
	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	

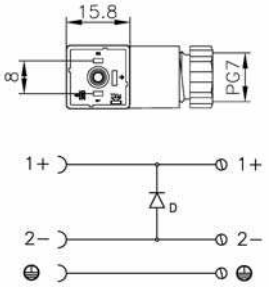
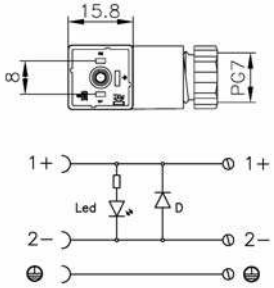
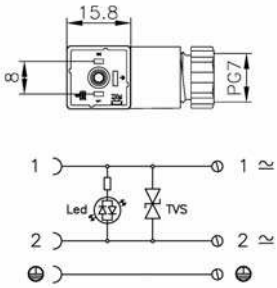
Form B - INDUSTRIAL

Product description			
Standard	Industrial standard (11 mm)	Industrial standard (11 mm)	
Construction type	B	B	
Description	P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor)	P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor)	
Housing colour	transparent	transparent	
Number of contacts	2+PE	2+PE	
Order no.	**KB132V54T9**	**KB132V55T9**	
Other options on request led colour red	order no. **KB132V57T9**	order no. **KB132V58T9**	
led colour green	order no. **KB132V5AT9**	order no. **KB132V5BT9**	
Cable gland	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	
Max. conductor size	1,5mm² without splice/terminal	1,5mm² without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm	6,3 x 0,8mm	
Voltage	24 V AC/DC	115 V AC/DC	
Rated current max.	5 A	5 A	
Suppressor	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	
LED colour	yellow	yellow	
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitables cables	5 mm to 7 mm diameter	5 mm to 7 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA12	PA12	
Enviromental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-20°C to + 80°C	-20°C to + 80°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	100 pieces / 2,5Kg	100 pieces / 2,5Kg	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessories options			
to be ordered separately see pages 171-175	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	

	Industrial standard (11 mm)			
	B			
	P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor)			
	transparent			
	2+PE			
	KB132V56T9			
	order no. **KB132V59T9**			
	order no. **KB132V5CT9**			
	PG9 (M16x1,5 on request)			
	1,5mm² without splice/terminal			
				
	6,3 x 0,8mm			
	230 V AC/DC			
	5 A			
	VDR 275 Vrms 8,6 Joule			
	yellow			
	15mΩ max.			
	III			
	screw M3			
	max. 0,5 N/m			
	5 mm to 7 mm diameter			
	central screw M3x32,5			
	PA6 GF			
	PA12			
	IP 65 when correctly assembled			
	3			
	-20°C to + 80°C			
	HB - UL 94			
	HB - UL 94			
	100 pieces / 2,5Kg			
	29 x 15 x 18 cm			
	NBR flat gasket 100 pcs in bag			
	Stainless steel screw 100 pcs in bag			

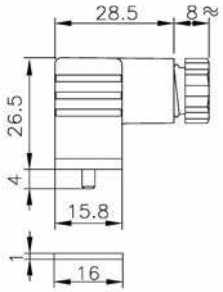
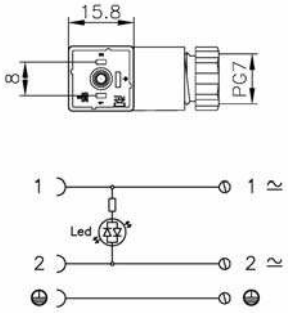
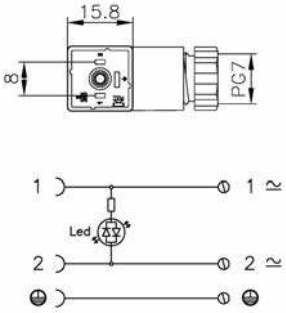
Form C - EN 175301-803 (DIN43650)

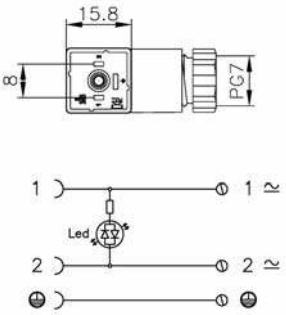
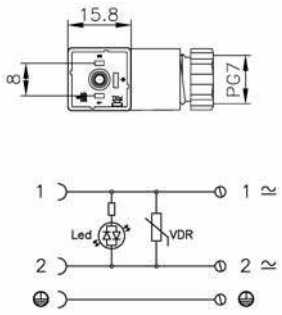
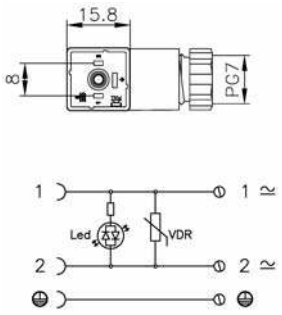
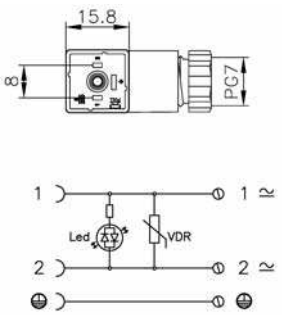
Product description			
Standard	EN175301-803	EN175301-803	
Construction type	C	C	
Description	P8 connector with screw terminals NBR flat gasket (PE) earth position H6	P8 connector with screw terminals NBR flat gasket (PE) earth position H6	
Housing colour	black	black	
Number of contacts	2+PE	3+PE	
Order no.	**KC136000B7**	**KC046000B7**	
Other option on request	order no. **KC135000B7** earth pos. H12	order no. **KC045000B7** earth pos. H12	
Cable gland	PG7	PG7	
Max. conductor size	1,0mm² without splice/terminal	1,0mm² without splice/terminal	
Drawing			
Technical data			
Pin dimension	3,6 x 0,8mm; 2,8 x 0,8mm	3,6 x 0,8mm; 2,8 x 0,8mm	
Voltage	250 V AC/DC max.	250 V AC/DC max.	
Rated current max.	6 A (IEC512-3 test 5b)	6 A (IEC512-3 test 5b)	
Suppressor			
LED colour			
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	headless screw M3	headless screw M3	
Contact screw torque	max. 0,2 N/m	max. 0,2 N/m	
Suitables cables	4 mm to 6 mm diameter	4 mm to 6 mm diameter	
Mounting	central screw M2,5x27,5	central screw M2,5x27,5	
Material			
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA6 GF	PA6 GF	
Enviromental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-40°C to + 100°C	-40°C to + 100°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	1000 pieces / Kg 13	1000 pieces / Kg 13	
Box dimensions	80 x 30 x 22 cm	80 x 30 x 22 cm	
Other accessory options			
to be ordered separately see pages 171-175	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	

	EN175301-803	EN175301-803	EN175301-803	
	C	C	C	
	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 and protective circuit (diode)	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and protective circuit (diode)	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and TVS protective circuit (transil)	
	black	transparent	transparent	
	2+PE	2+PE	2+PE	
	KC136D10B7	**KC136D54T7**	**KC136T54T7**	
	order no. **KC135D10B7** earth pos. H12	order no. **KC136D57T7** (led colour red)	order no. **KC136T57T7** (led colour red)	
	PG7	PG7	PG7	
	1,0mm² without splice/terminal	1,0mm² without splice/terminal	1,0mm² without splice/terminal	
				
	3,6 x 0,8mm; 2,8 x 0,8mm	3,6 x 0,8mm; 2,8 x 0,8mm	3,6 x 0,8mm; 2,8 x 0,8mm	
	0...230 V DC	24 V DC	24 V AC/DC	
	4 A	4 A	4 A	
	diode 1A 1000V	diode 1A 1000V	TVS Vbr max.=37,8V Peak=400W	
		yellow	yellow	
	15mΩ max.	15mΩ max.	15mΩ max.	
	III	III	III	
	headless screw M3	headless screw M3	headless screw M3	
	max. 0,2 N/m	max. 0,2 N/m	max. 0,2 N/m	
	4 mm to 6 mm diameter	4 mm to 6 mm diameter	4 mm to 6 mm diameter	
	central screw M2,5x27,5	central screw M2,5x27,5	central screw M2,5x27,5	
	PA6 GF	PA6 GF	PA6 GF	
	PA6 GF	PA12	PA12	
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	
	3	3	3	
	-40°C to + 100°C	-20°C to + 80°C	-20°C to + 80°C	
	HB - UL 94	HB - UL 94	HB - UL 94	
	HB - UL 94	HB - UL 94	HB - UL 94	
	200 pieces / Kg 2,5	200 pieces / Kg 2,6	200 pieces / Kg 2,6	
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	
	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	

Form C - EN 175301-803 (DIN43650)

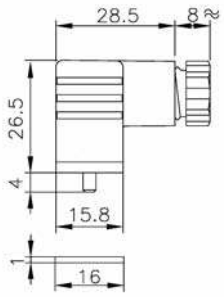
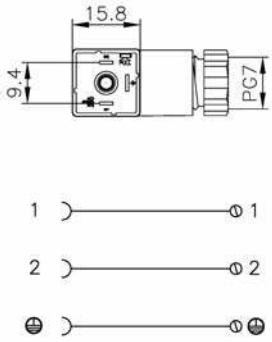
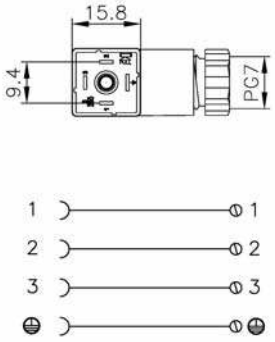
Form C - EN 175301-803 (DIN43650)

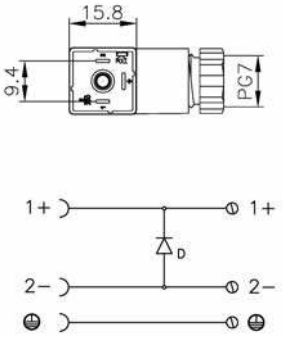
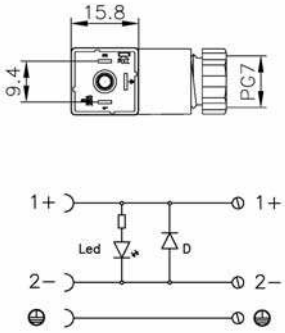
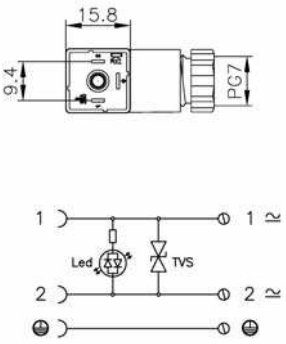
Product description			
Standard	EN175301-803	EN175301-803	
Construction type	C	C	
Description	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED)	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED)	
Housing colour	transparent	transparent	
Number of contacts	2+PE	2+PE	
Order no.	**KC136L34T7**	**KC136L35T7**	
Other options on request led colour red	order no. **KC136L37T7**	order no. **KC136L38T7**	
Cable gland	PG7	PG7	
Max. conductor size	1,0mm² without splice/terminal	1,0mm² without splice/terminal	
Drawing			
Technical data			
Pin dimension	3,6 x 0,8mm; 2,8 x 0,8mm	3,6 x 0,8mm; 2,8 x 0,8mm	
Voltage	24 V AC/DC	115 V AC/DC	
Rated current max.	6 A	6 A	
Suppressor			
LED colour	yellow	yellow	
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	headless screw M3	headless screw M3	
Contact screw torque	max. 0,2 N/m	max. 0,2 N/m	
Suitables cables	4 mm to 6 mm diameter	4 mm to 6 mm diameter	
Mounting	central screw M2,5x27,5	central screw M2,5x27,5	
Material			
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA12	PA12	
Enviromental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-20°C to + 80°C	-20°C to + 80°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	200 pieces / Kg 2,6	200 pieces / Kg 2,6	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessory options			
to be ordered separately see pages 171-175	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	

	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	C	C	C	C
	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED)	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and VDR protective circuit (varistor)	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and VDR protective circuit (varistor)	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and VDR protective circuit (varistor)
	transparent	transparent	transparent	transparent
	2+PE	2+PE	2+PE	2+PE
	KC136L36T7	**KC136V54T7**	**KC136V55T7**	**KC136V56T7**
	order no. **KC136L39T7**	order no. **KC136V57T7**	order no. **KC136V58T7**	order no. **KC136V59T7**
	PG7	PG7	PG7	PG7
	1,0mm² without splice/terminal	1,0mm² without splice/terminal	1,0mm² without splice/terminal	1,0mm² without splice/terminal
				
	3,6 x 0,8mm; 2,8 x 0,8mm	3,6 x 0,8mm; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm
	230 V AC/DC	24 V AC/DC	115 V AC/DC	230 V AC/DC
	6 A	5 A	5 A	5 A
		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	headless screw M3	headless screw M3	headless screw M3	headless screw M3
	max. 0,2 N/m	max. 0,2 N/m	max. 0,2 N/m	max. 0,2 N/m
	4 mm to 6 mm diameter	4 mm to 6 mm diameter	4 mm to 6 mm diameter	4 mm to 6 mm diameter
	central screw M2,5x27,5	central screw M2,5x27,5	central screw M2,5x27,5	central screw M2,5x27,5
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	PA12	PA12	PA12	PA12
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
	3	3	3	3
	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	200 pieces / Kg 2,6	200 pieces / Kg 2,6	200 pieces / Kg 2,6	200 pieces / Kg 2,6
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag

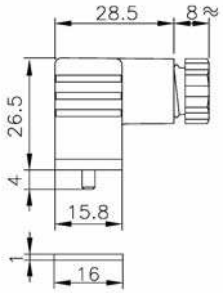
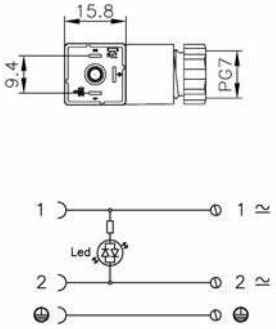
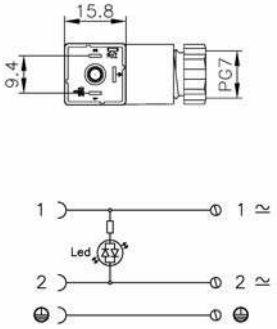
Form C - EN 175301-803 (DIN43650)

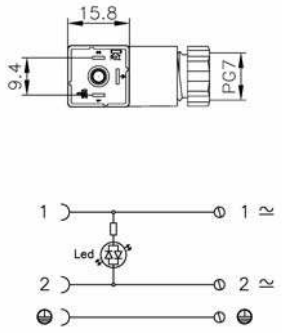
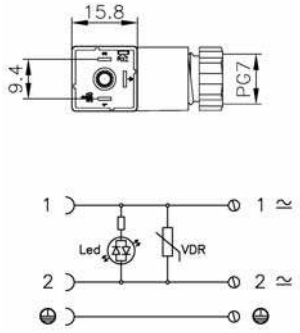
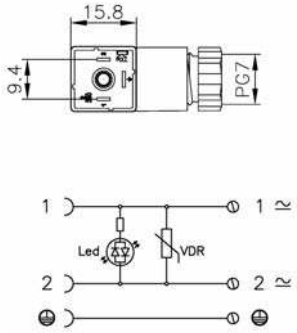
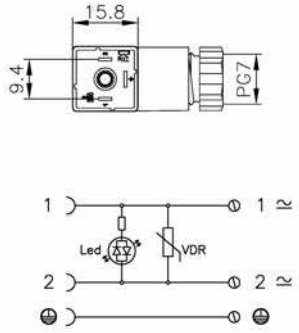
Form C - INDUSTRIAL

Product description			
Standard	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	
Construction type	C	C	
Description	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6	
Housing colour	black	black	
Number of contacts	2+PE	3+PE	
Order no.	**KD136000B7**	**KD046000B7**	
Other options on request	order no. **KD135000B7** earth pos. H12	order no. **KD045000B7** earth pos. H12	
Cable gland	PG7	PG7	
Max. conductor size	1,0mm² without splice/terminal	1,0mm² without splice/terminal	
Drawing			
Technical data			
Pin dimension	3,6 x 0,5mm; 2,8 x 0,5mm	3,6 x 0,5mm; 2,8 x 0,5mm	
Voltage	250 V AC/DC max.	250 V AC/DC max.	
Rated current max.	6 A (IEC512-3 test 5b)	6 A (IEC512-3 test 5b)	
Suppressor			
LED colour			
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	headless screw M3	headless screw M3	
Contact screw torque	max. 0,2 N/m	max. 0,2 N/m	
Suitables cables	4 mm to 6 mm diameter	4 mm to 6 mm diameter	
Mounting	central screw M3x27,5	central screw M3x27,5	
Material			
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA6 GF	PA6 GF	
Enviromental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-40°C to + 100°C	-40°C to + 100°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	1000 pieces / Kg 13	1000 pieces / Kg 13	
Box dimensions	80 x 30 x 22 cm	80 x 30 x 22 cm	
Other accessory options			
to be ordered separately see pages 171-175	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	

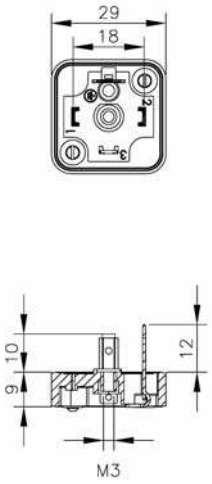
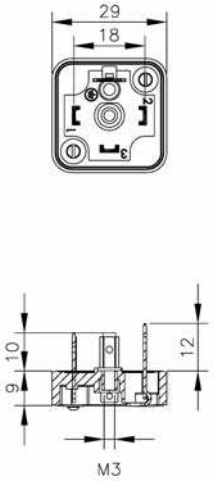
	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	
	C	C	C	
	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 and protective circuit (diode)	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and protective circuit (diode)	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and TVS protective circuit (transil)	
	black	transparent	transparent	
	2+PE	2+PE	2+PE	
	KD136D10B7	**KD136D54T7**	**KD136T54T7**	
	order no. **KD135D10B7** earth pos. H12	order no. **KD136D57T7** (led colour red)	order no. **KD136T57T7** (led colour red)	
	PG7	PG7	PG7	
	1,0mm² without splice/terminal	1,0mm² without splice/terminal	1,0mm² without splice/terminal	
				
	3,6 x 0,5mm; 2,8 x 0,5mm	3,6 x 0,5mm; 2,8 x 0,5mm	3,6 x 0,5mm; 2,8 x 0,5mm	
	0...230 V DC	24 V DC	24 V AC/DC	
	4 A	4 A	4 A	
	diode 1A 1000V	diode 1A 1000V	TVS Vbr max.=37,8V Peak=400W	
		yellow	yellow	
	15mΩ max.	15mΩ max.	15mΩ max.	
	III	III	III	
	headless screw M3	headless screw M3	headless screw M3	
	max. 0,2 N/m	max. 0,2 N/m	max. 0,2 N/m	
	4 mm to 6 mm diameter	4 mm to 6 mm diameter	4 mm to 6 mm diameter	
	central screw M3x27,5	central screw M3x27,5	central screw M3x27,5	
	PA6 GF	PA6 GF	PA6 GF	
	PA6 GF	PA12	PA12	
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	
	3	3	3	
	-40°C to + 100°C	-20°C to + 80°C	-20°C to + 80°C	
	HB - UL 94	HB - UL 94	HB - UL 94	
	HB - UL 94	HB - UL 94	HB - UL 94	
	200 pieces / Kg 2,5	200 pieces / Kg 2,6	200 pieces / Kg 2,6	
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	
	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	

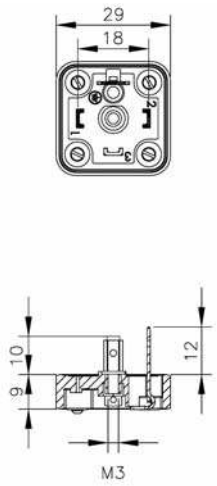
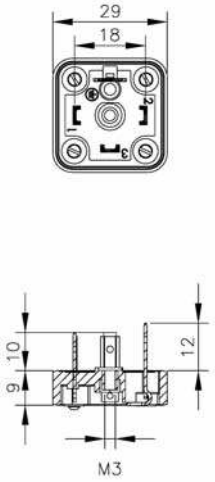
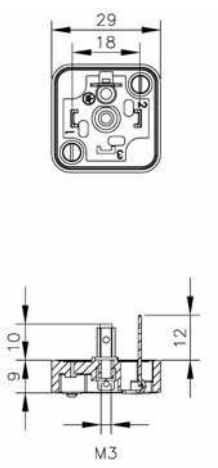
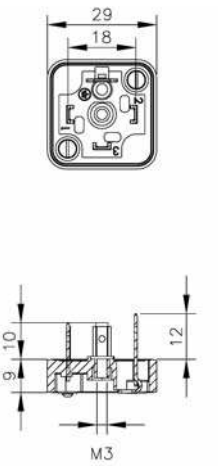
Form C - INDUSTRIAL

Product description			
Standard	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	
Construction type	C	C	
Description	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED)	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED)	
Housing colour	transparent	transparent	
Number of contacts	2+PE	2+PE	
Order no.	**KD136L34T7**	**KD136L35T7**	
Other options on request led colour red	order no. **KD136L37T7**	order no. **KD136L38T7**	
Cable gland	PG7	PG7	
Max. conductor size	1,0mm² without splice/terminal	1,0mm² without splice/terminal	
Drawing			
Technical data			
Pin dimension	3,6 x 0,5mm; 2,8 x 0,5mm	3,6 x 0,5mm; 2,8 x 0,5mm	
Voltage	24 V AC/DC	115 V AC/DC	
Rated current max.	6 A	6 A	
Suppressor			
LED colour	yellow	yellow	
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	headless screw M3	headless screw M3	
Contact screw torque	max. 0,2 N/m	max. 0,2 N/m	
Suitables cables	4 mm to 6 mm diameter	4 mm to 6 mm diameter	
Mounting	central screw M3x27,5	central screw M3x27,5	
Material			
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA12	PA12	
Enviromental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-20°C to + 80°C	-20°C to + 80°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	200 pieces / Kg 2,6	200 pieces / Kg 2,6	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessory options			
to be ordered separately see pages 171-175	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	

	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)
	C	C	C	C
	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED)	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and VDR protective circuit (varistor)	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and VDR protective circuit (varistor)	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and VDR protective circuit (varistor)
	transparent	transparent	transparent	transparent
	2+PE	2+PE	2+PE	2+PE
	KD136L36T7	**KD136V54T7**	**KD136V55T7**	**KD136V56T7**
	order no. **KD136L39T7**	order no. **KD136V57T7**	order no. **KD136V58T7**	order no. **KD136V59T7**
	PG7	PG7	PG7	PG7
	1,0mm^2 without splice/terminal	1,0mm^2 without splice/terminal	1,0mm^2 without splice/terminal	1,0mm^2 without splice/terminal
				
	3,6 x 0,5mm; 2,8 x 0,5mm	3,6 x 0,5mm; 2,8 x 0,5mm	3,6 x 0,5mm; 2,8 x 0,5mm	3,6 x 0,5mm; 2,8 x 0,5mm
	230 V AC/DC	24 V AC/DC	115 V AC/DC	230 V AC/DC
	6 A	5 A	5 A	5 A
		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	headless screw M3	headless screw M3	headless screw M3	headless screw M3
	max. 0,2 N/m	max. 0,2 N/m	max. 0,2 N/m	max. 0,2 N/m
	4 mm to 6 mm diameter	4 mm to 6 mm diameter	4 mm to 6 mm diameter	4 mm to 6 mm diameter
	central screw M3x27,5	central screw M3x27,5	central screw M3x27,5	central screw M3x27,5
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	PA12	PA12	PA12	PA12
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
	3	3	3	3
	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	200 pieces / Kg 2,6	200 pieces / Kg 2,6	200 pieces / Kg 2,6	200 pieces / Kg 2,6
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag

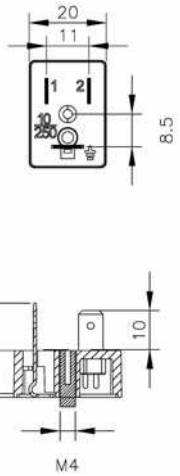
Male Bases **BA0 - BA1 - BA3** series

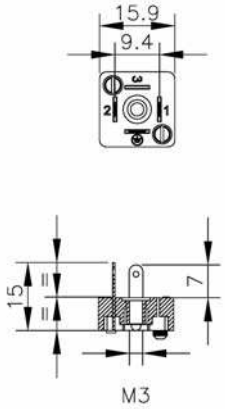
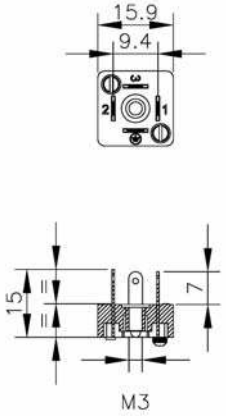
Product description			
Standard	EN175301-803	EN175301-803	
Construction type	A	A	
Description	base with central nut M3 2 screws M3x10 and 1 screw M3x4 NBR flat gasket	base with central nut M3 2 screws M3x10 and 1 screw M3x4 NBR flat gasket	
Housing colour	black	black	
Number of contacts	2+PE	3+PE	
Order no.	**BA032000B0**	**BA042000B0**	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	
Voltage	250 V AC/DC max.	250 V AC/DC max.	
Rated current max.	10 A	10 A	
Contact resistance	15mΩ max.	15mΩ max.	
Type of termination	soldered (PE contact: screwed)	soldered (PE contact: screwed)	
Max. conductor size	max. 1mm^2	max. 1mm^2	
Mounting	screw	screw	
Material			
Contact material	CuZn silver plated	CuZn silver plated	
Contact holder material	PA6 GF	PA6 GF	
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-40°C to + 100°C	-40°C to + 100°C	
Inflammability class			
Contact holder material	HB - UL 94	HB - UL 94	
Housing material	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	200 pieces / 3Kg	200 pieces / 3Kg	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessory options			
to be ordered separately see pages 171-175			

	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	A	A	A	A
	base with central nut M3 4 screws M3x10 and 1 screw M3x4 NBR flat gasket	base with central nut M3 4 screws M3x10 and 1 screw M3x4 NBR flat gasket	base with central nut M3 2 screws M3x10 and 1 screw M3x4 NBR flat gasket	base with central nut M3 2 screws M3x10 and 1 screw M3x4 NBR flat gasket
	black	black	black	black
	2+PE	3+PE	2+PE	3+PE
	BA132000B0	**BA142000B0**	**BA332000B0**	**BA342000B0**
				
	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm
	250 V AC/DC max.	250 V AC/DC max.	250 V AC/DC max	250 V AC/DC max
	10 A	10 A	10 A	10 A
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	soldered (PE contact: screwed)	soldered (PE contact: screwed)	soldered (PE contact: screwed)	soldered (PE contact: screwed)
	max. 1mm^2	max. 1mm^2	max. 1mm^2	max. 1mm^2
	screw	screw	screw	screw
	CuZn silver plated	CuZn silver plated	CuZn silver plated	CuZn silver plated
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
	3	3	3	3
	-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°C
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
	200 pieces / 3Kg	200 pieces / 3Kg	200 pieces / 3Kg	200 pieces / 3Kg
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm

Form A - EN 175301-803 (DIN43650) / ISO 4400

Form B INDUSTRIAL

Product description			
Standard	P11 Industrial		
Construction type	B Industrial		
Description	base with central screw M3xM4 1 screw M3x6 NBR flat gasket		
Housing colour	black		
Number of contacts	2+PE		
Order no.	**BB132000B0**		
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm		
Voltage	250 V AC/DC max.		
Rated current max.	10 A		
Contact resistance	15mΩ max.		
Type of termination	soldered		
Max. conductor size	max. 1mm²		
Mounting	screw		
Material			
Contact material	CuZn silver plated		
Contact holder material	PA6 GF		
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled		
Pollution severity (EN 60664-1)	3		
Temperature range	-40°C to + 100°C		
Inflammability class			
Contact holder material	HB - UL 94		
Housing material	HB - UL 94		
Packaging			
Packaging unit / Weight approx.	200 pieces / 3Kg		
Box dimensions	29 x 15 x 18 cm		
Other accessory options			
to be ordered separately see pages 171-175			

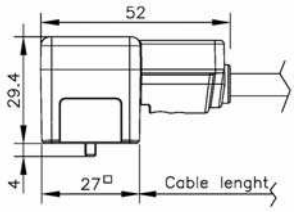
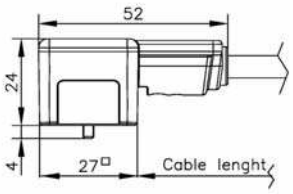
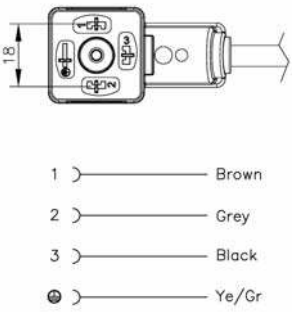
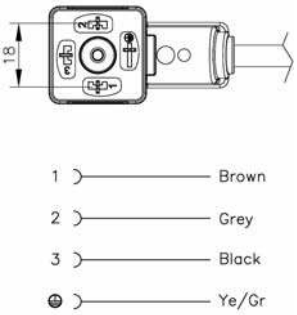
	P9,4 Industrial	P9,4 Industrial		
	C Industrial	C Industrial		
	base with central nut M3 2 screws M3x8,5 NBR flat gasket	base with central nut M3 2 screws M3x8,5 NBR flat gasket		
	black	black		
	2+PE	3+PE		
	BD132000B0	**BD142000B0**		
				
	3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm		
	250 V AC/DC max.	250 V AC/DC max.		
	6 A	6 A		
	15mΩ max.Ω	15mΩ max.Ω		
	soldered	soldered		
	max. 0,50mm²	max. 0,50mm²		
	screw	screw		
	CuZn silver plated	CuZn silver plated		
	PA6 GF	PA6 GF		
	IP 65 when correctly assembled	IP 65 when correctly assembled		
	3	3		
	-40°C to + 100°C	-40°C to + 100°C		
	HB - UL 94	HB - UL 94		
	HB - UL 94	HB - UL 94		
	400 pieces / 4Kg	400 pieces / 4Kg		
	29 x 15 x 18 cm	29 x 15 x 18 cm		

DESCRIPTION		PAG
SERIES: MA		FORM A (contact spacing 18mm) STANDARD 56
SERIES: MA		FORM A (contact spacing 18mm) WITH CIRCUITS 60
SERIES: MB		FORM B Industrial (contact spacing 11mm) STANDARD 72
SERIES: MB		FORM B Industrial (contact spacing 11mm) WITH CIRCUITS 74
SERIES: ME		FORM B (contact spacing 10mm) STANDARD 82
SERIES: ME		FORM B (contact spacing 10mm) WITH CIRCUITS 84
SERIES: MC		FORM C (contact spacing 8mm) STANDARD 92
SERIES: MC		FORM C (contact spacing 8mm) WITH CIRCUITS 94
SERIES: MD		FORM C industrial (contact spacing 9,4mm) STANDARD 98
SERIES: MD		FORM C industrial (contact spacing 9,4mm) WITH CIRCUITS 100

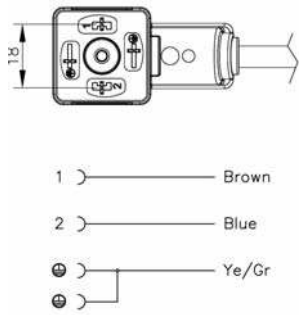
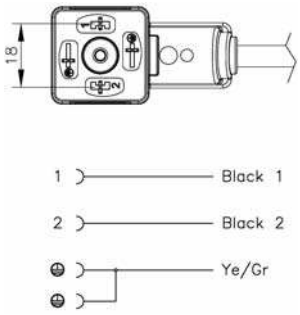
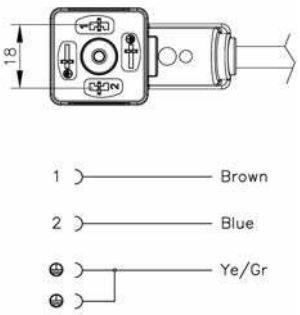
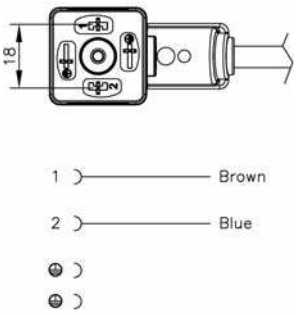
Valve Connectors **MA2** series

MOULDED IN CABLE

Form A - EN 175301-803 (DIN43650) / ISO 4400

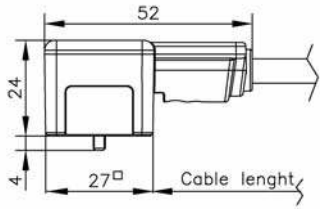
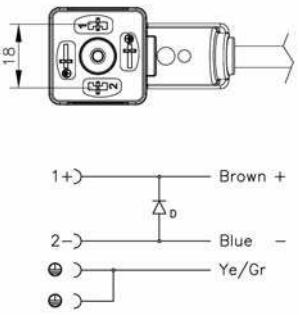
Product description			
Standard		EN175301-803-A	EN175301-803-A
Construction type		A	A
Description	Integrated gasket (TPU) and central fixing screw	P18 connector with moulded cable (PE) earth position H12 (opposite from cablet outlet)	P18 connector with moulded cable (PE) earth position H6 (next to cable outlet)
Number of contacts		3 + PE	3 + PE
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		4 G 0,75 mm² PVC	4 G 0,75 mm² PVC
Cable length		3 m	3 m
Order no.		**MA245000PA05300**	**MA246000PA05300**
Other standard options	cable length 1m		
	cable length 5m	order no. **MA245000PA05500**	order no. **MA246000PA05500**
Cable jacket colour		black	black
Conductor colours		brown - black - grey - yellow/green	brown - black - grey - yellow/green
Cable diameter +/-5%		7,3 mm	7,3 mm
Cable temperature range	static application	-15°C to + 70°C	-15°C to + 70°C
	flexible application		
Drawing			
MA2 serie 	MA1 serie 		
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		5 A	5 A
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pcs.	100 pcs.
Number of boxes suitable:	1 box		
	2 boxes	**MA245000PA05300**	**MA246000PA05300**
	4 boxes	**MA245000PA05500**	**MA246000PA05500**
Approximate weight per box		13....15 Kg	13....15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)			
Technical specifications on cables and accessories see pages 171-175			

SELF - ASSEMBLY CABLE

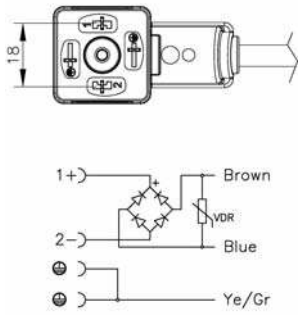
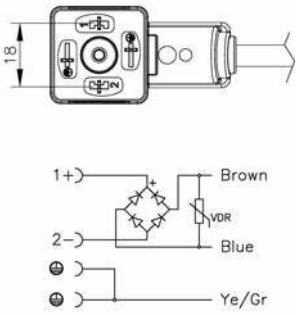
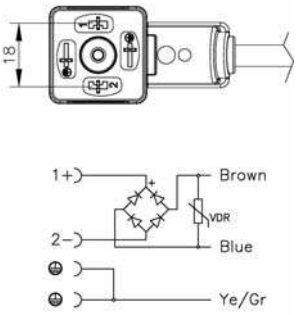
	EN175301-803-A	EN175301-803-A	EN175301-803-A	EN175301-803-A
	A	A	A	A
	P18 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	P18 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	P18 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	P18 connector with moulded cable (PE) earth in H6 and H12 position
	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE not connected
	H05VV-F VDE 0281-5 PVC	PVC flame (IEC60332-1) and oil resistance	PUR / PVC	H03VV-F VDE 0281-5 PVC
	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	2 x 0,50 mm² PVC
	3 m	3 m	3 m	3 m
	MA134000PA05300	**MA134000PG05300**	**MA134000PP12300**	**MA124000PA01300**
	order no. **MA134000PA05100**			
	order no. **MA134000PA05500**	order no. **MA134000PG05500**	order no. **MA134000PP12500**	order no. **MA124000PA01500**
	black	grey RAL 7001	black	black
	brown - blue - yellow/green	black1 - black2 - yellow/green	brown - blue - yellow/green	brown - blue
	6,7 mm	6,2 mm	6,7 mm	5,0 mm
	-15°C to + 70°C	-30°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C
		+ 5°C to + 70°C	-25°C to + 80°C	
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC
	5 A	5 A	5 A	3 A
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	central screw M3 x 25mm	central screw M3 x 25mm	central screw M3 x 25mm	central screw M3 x 25mm
	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	TPU	TPU	TPU	TPU
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
	3	3	3	3
	V0	V0	V0	V0
	HB	HB	HB	HB
	100 pcs.	100 pcs.	100 pcs.	100 pcs.
	MA134000PA05100			
	MA134000PA05300	**MA134000PG05300**	**MA134000PP12300**	**MA124000PA01300**
	MA134000PA05500	**MA134000PG05500**	**MA134000PP12500**	**MA124000PA01500**
	13....15 Kg	13....15 Kg	13....15 Kg	13....15 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
	(A013) (C033; C053)		(P113)	(A052) (C032; C052)

Form A - EN 175301-803 (DIN43650) / ISO 4400

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description				
Standard		EN175301-803-A		
Construction type		A		
Description	Integrated gasket (TPU) and central fixing screw, (PE) earth in H6 and H12 position (bridged)	P18 connector with moulded cable protective circuit (diode)		
Number of contacts		2 + PE / PE bridged		
Cable type		H05VV-F VDE 0281-5 PVC		
Conductors specification		3 G 0,75 mm² PVC		
Cable length		3 m		
Order no.		**MA134D10PA05300**		
Other standard options	cable length 5m	order no. **MA134D10PA05500**		
Cable jacket colour		black		
Conductor colours		brown - blue - yellow/green		
Cable diameter +/-5%		6,7 mm		
Cable temperature range	static application	-15°C to + 70°C		
	flexible application			
Drawing				
Technical data				
Pin dimension		6,3 x 0,8mm; 4,8 x 0,8mm		
Voltage		0-250 V DC		
Rated current max.		4 A		
Suppressor		diode 1A 1000V		
LED colour				
Contact resistance		15mΩ max.		
Overvoltage category		III		
Mounting		central screw M3 x 25mm		
Fixing screw torque		0,3 - 0,5 N/m		
Material				
Contact holder material		PA6 GF		
Overmoulding material		TPU		
Enviromental conditions				
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]		
Pollution severity (EN 60664-1)		3		
Inflammability class				
Contact holder		V0		
Moulded housing		HB		
Packaging				
Minimum quantity		100 pieces		
Number of boxes suitable:	2 boxes	**MA134D10PA05300**		
	4 boxes	**MA134D10PA05500**		
Approximate weight per box		13...15 Kg		
Box dimension		39 x 39 x 19,5 cm		
Other cable options on request				
type (part number)		(A013) (C033; C053)		
Technical specifications on cables and accessories see pages 171-175				

MOULDED IN CABLE

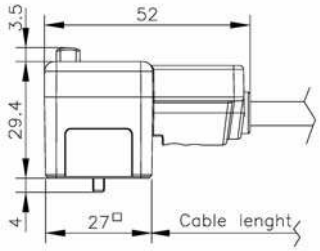
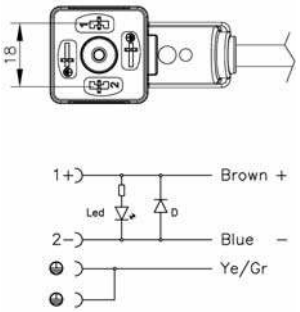
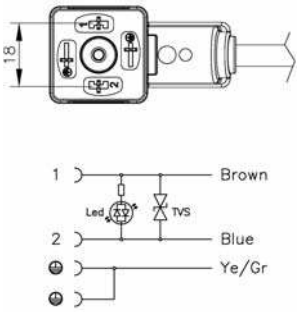
EN175301-803-A	EN175301-803-A	EN175301-803-A	
A	A	A	
P18 connector with moulded cable circuit full bridge rectifier VDR suppressor (varistor)	P18 connector with moulded cable circuit full bridge rectifier VDR suppressor (varistor)	P18 connector with moulded cable circuit full bridge rectifier VDR suppressor (varistor)	
2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged	
H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	
3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	
3 m	3 m	3 m	
MA134RA1PA05300	**MA134RA2PA05300**	**MA134RA3PA05300**	
order no. **MA134RA1PA05500**	order no. **MA134RA2PA05500**	order no. **MA134RA3PA05500**	
black	black	black	
brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	
6,7 mm	6,7 mm	6,7 mm	
-15°C to + 70°C	-15°C to + 70°C	-15°C to + 70°C	
			
6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	
Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	Input 230 VAC ; Output 207 VDC	
2 A	2 A	2 A	
VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule	
15mΩ max.	15mΩ max.	15mΩ max.	
III	III	III	
central screw M3 x 25mm	central screw M3 x 25mm	central screw M3 x 25mm	
0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	
PA6 GF	PA6 GF	PA6 GF	
TPU	TPU	TPU	
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	
3	3	3	
V0	V0	V0	
HB	HB	HB	
100 pieces	100 pieces	100 pieces	
MA134RA1PA05300	**MA134RA2PA05300**	**MA134RA3PA05300**	
MA134RA1PA05500	**MA134RA2PA05500**	**MA134RA3PA05500**	
13...15 Kg	13...15 Kg	13...15 Kg	
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	
(A013) (C033; C053)	(A013) (C033; C053)	(A013) (C033; C053)	

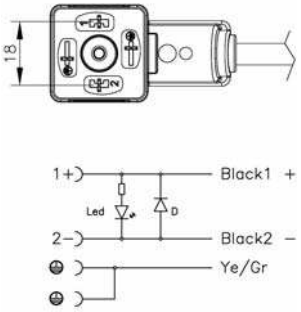
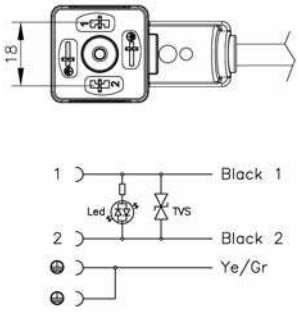
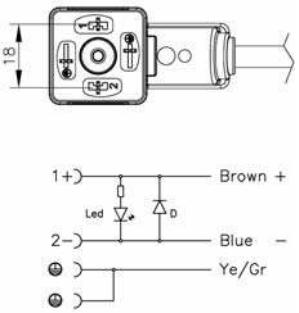
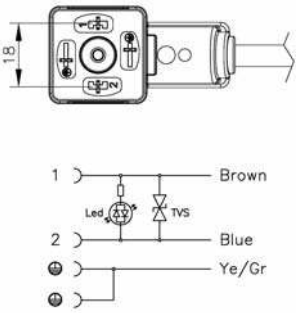
Form A - EN 175301-803 (DIN43650) / ISO 4400

Valve Connectors **MA6** series

MOULDED IN CABLE

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard	EN175301-803-A	EN175301-803-A	
Construction type	A	A	
Description	P18 connector with moulded cable protective circuit (diode) function indicator (LED)	P18 connector with moulded cable TVS protective circuit (transil) function indicator (LED)	
Integrated gasket (TPU) and central fixing screw, (PE) earth in H6 and H12 position (bridged)			
Number of contacts	2 + PE / PE bridged	2 + PE / PE bridged	
Cable type	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	
Conductors specification	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	
Cable length	3 m	3 m	
Order no.	**MA634D54PA05300**	**MA634T54PA05300**	
Other standard options cable length 5m,	order no. **MA634D54PA05500**	order no. **MA634T54PA05500**	
Cable jacket colour	black	black	
Conductor colours	brown - blue - yellow/green	brown - blue - yellow/green	
Cable diameter +/-5%	6,7 mm	6,7 mm	
Cable temperature range static application	-15°C to + 70°C	-15°C to + 70°C	
flexible application			
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
Voltage	24 V DC	24 V AC/DC	
Rated current max.	4 A	4 A	
Suppressor	diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W	
LED colour	yellow	yellow	
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Mounting	central screw M3 x 28,5mm	central screw M3 x 28,5mm	
Fixing screw torque	0,3 - 0,5 N/m	0,3 - 0,5 N/m	
Material			
Contact holder material	PA6 GF	PA6 GF	
Overmoulding material	TPU	TPU	
Enviromental conditions			
Protection class (EN 60529)	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	
Pollution severity (EN 60664-1)	3	3	
Inflammability class			
Contact holder	V0	V0	
Moulded housing	HB	HB	
Packaging			
Minimum quantity	100 pieces	100 pieces	
Number of boxes suitable: 2 boxes	**MA634D54PA05300**	**MA634T54PA05300**	
4 boxes	**MA634D54PA05500**	**MA634T54PA05500**	
Approximate weight per box	13...15 Kg	13...15 Kg	
Box dimension	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	
Other cable options on request			
type (part number)	(A013) (C033; C053)	(A013) (C033; C053)	
Technical specifications on cables and accessories see pages 171-175			

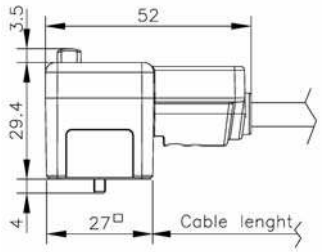
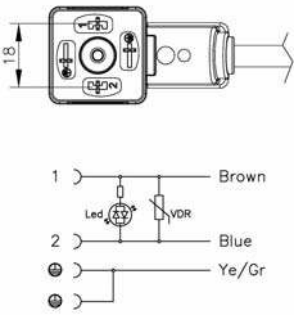
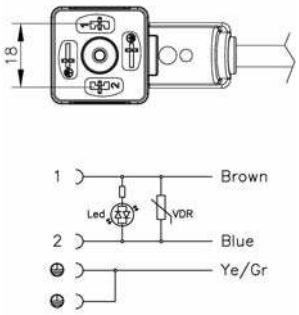
	EN175301-803-A	EN175301-803-A	EN175301-803-A	EN175301-803-A
	A	A	A	A
	P18 connector with moulded cable protective circuit (diode) function indicator (LED)	P18 connector with moulded cable TVS protective circuit (transil) function indicator (LED)	P18 connector with moulded cable protective circuit (diode) function indicator (LED)	P18 connector with moulded cable TVS protective circuit (transil) function indicator (LED)
	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged
	PVC flame (IEC60332-1) and oil resistance	PVC flame (IEC60332-1) and oil resistance	PUR / PVC	PUR / PVC
	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
	3 m	3 m	3 m	3 m
	MA634D54PG05300	**MA634T54PG05300**	**MA634D54PP12300**	**MA634T54PP12300**
	order no. **MA634D54PG05500**	order no. **MA634T54PG05500**	order no. **MA634D54PP12500**	order no. **MA634T54PP12500**
	grey RAL 7001	grey RAL 7001	black	black
	black1 - black2 - yellow/green	black1 - black2 - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green
	6,2 mm	6,2 mm	6,7 mm	6,7 mm
	-30°C to + 70°C	-30°C to + 70°C	-40°C to + 80°C	-40°C to + 80°C
	+ 5°C to + 70°C	+ 5°C to + 70°C	-25°C to + 80°C	-25°C to + 80°C
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	24 V DC	24 V AC/DC	24 V DC	24 V AC/DC
	4 A	4 A	4 A	4 A
	diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W	diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm
	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	TPU	TPU	TPU	TPU
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
	3	3	3	3
	V0	V0	V0	V0
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	MA634D54PG05300	**MA634T54PG05300**	**MA634D54PP12300**	**MA634T54PP12300**
	MA634D54PG05500	**MA634T54PG05500**	**MA634D54PP12500**	**MA634T54PP12500**
	13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
			(P113)	(P113)

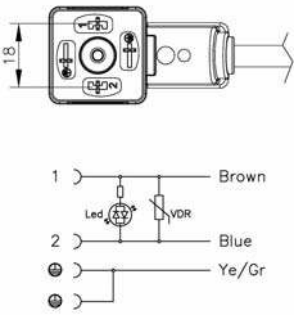
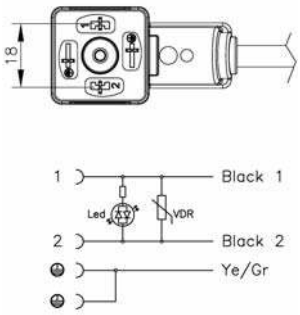
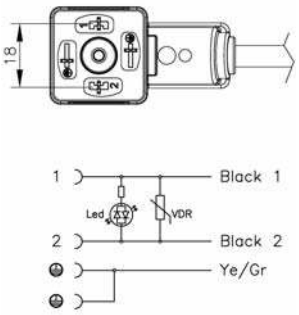
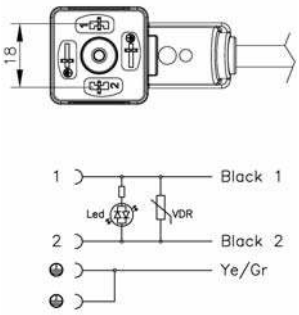
Form A - EN 175301-803 (DIN43650) / ISO 4400

Valve Connectors **MA6** series

MOULDED IN CABLE

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard	EN175301-803-A	EN175301-803-A	
Construction type	A	A	
Description Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)	
Number of contacts	2 + PE / PE bridged	2 + PE / PE bridged	
Cable type	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	
Conductors specification	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	
Cable length	3 m	3 m	
Order no.	**MA634V54PA05300**	**MA634V55PA05300**	
Other standard options cable length 5m,	order no. **MA634V54PA05500**	order no. **MA634V55PA05500**	
Cable jacket colour	black	black	
Conductor colours	brown - blue - yellow/green	brown - blue - yellow/green	
Cable diameter +/-5%	6,7 mm	6,7 mm	
Cable temperature range static application	-15°C to + 70°C	-15°C to + 70°C	
flexible application			
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	
Voltage	24 V AC/DC	115 V AC/DC	
Rated current max.	5 A	5 A	
Suppressor	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	
LED colour	yellow	yellow	
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Mounting	central screw M3 x 28,5mm	central screw M3 x 28,5mm	
Fixing screw torque	0,3 - 0,5 N/m	0,3 - 0,5 N/m	
Material			
Contact holder material	PA6 GF	PA6 GF	
Overmoulding material	TPU	TPU	
Enviromental conditions			
Protection class (EN 60529)	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	
Pollution severity (EN 60664-1)	3	3	
Inflammability class			
Contact holder	V0	V0	
Moulded housing	HB	HB	
Packaging			
Minimum quantity	100 pieces	100 pieces	
Number of boxes suitable : 2 boxes	**MA634V54PA05300**	**MA634V55PA05300**	
4 boxes	**MA634V54PA05500**	**MA634V55PA05500**	
Approximate weight per box	13...15 Kg	13...15 Kg	
Box dimension	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	
Other cable options on request			
type (part number)	(A013) (C033; C053)	(A013) (C033; C053)	
Technical specifications on cables and accessories see pages 171-175			

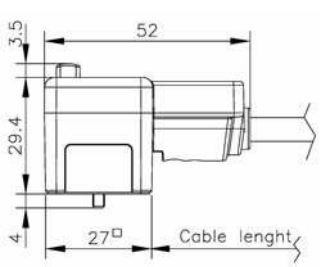
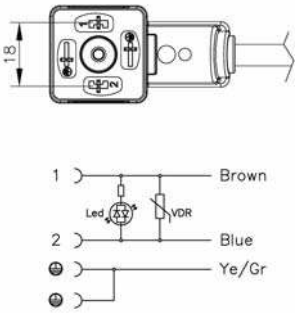
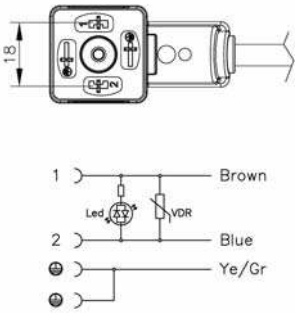
	EN175301-803-A	EN175301-803-A	EN175301-803-A	EN175301-803-A
	A	A	A	A
	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)
	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged
	H05VV-F VDE 0281-5 PVC	PVC flame (IEC60332-1) and oil resistance	PVC flame (IEC60332-1) and oil resistance	PVC flame (IEC60332-1) and oil resistance
	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
	3 m	3 m	3 m	3 m
	MA634V56PA05300	**MA634V54PG05300**	**MA634V55PG05300**	**MA634V56PG05300**
	order no. **MA634V56PA05500**	order no. **MA634V54PG05500**	order no. **MA634V55PG05500**	order no. **MA634V56PG05500**
	black	grey RAL 7001	grey RAL 7001	grey RAL 7001
	brown - blue - yellow/green	black1 - black2 - yellow/green	black1 - black2 - yellow/green	black1 - black2 - yellow/green
	6,7 mm	6,2 mm	6,2 mm	6,2 mm
	-15°C to + 70°C	-30°C to + 70°C	-30°C to + 70°C	-30°C to + 70°C
		+ 5°C to + 70°C	+ 5°C to + 70°C	+ 5°C to + 70°C
				
	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm
	230 V AC/DC	24 V AC/DC	115 V AC/DC	230 V AC/DC
	5 A	5 A	5 A	5 A
	VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm
	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	TPU	TPU	TPU	TPU
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
	3	3	3	3
	V0	V0	V0	V0
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	MA634V56PA05300	**MA634V54PG05300**	**MA634V55PG05300**	**MA634V56PG05300**
	MA634V56PA05500	**MA634V54PG05500**	**MA634V55PG05500**	**MA634V56PG05500**
	13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
	(A013) (C033; C053)			

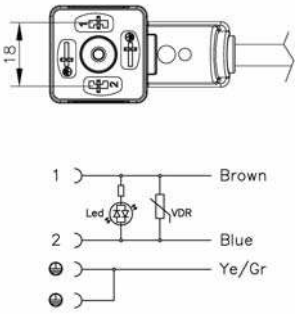
Form A - EN 175301-803 (DIN43650) / ISO 4400

Valve Connectors **MA6** series

MOULDED IN CABLE

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard		EN175301-803-A	EN175301-803-A
Construction type		A	A
Description	Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		PUR / PVC	PUR / PVC
Conductors specification		3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
Cable length		3 m	3 m
Order no.		**MA634V54PP12300**	**MA634V55PP12300**
Other standard options	cable length 5m,	order no. **MA634V54PP12500**	order no. **MA634V55PP12500**
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing		 	
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V AC/DC	115 V AC/DC
Rated current max.		5 A	5 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**MA634V54PP12300**	**MA634V55PP12300**
	4 boxes	**MA634V54PP12500**	**MA634V55PP12500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(P113)	(P113)
Technical specifications on cables and accessories see pages 171-175			

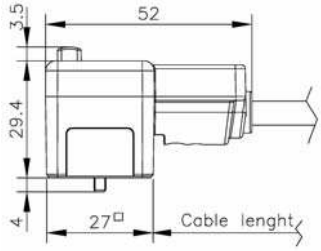
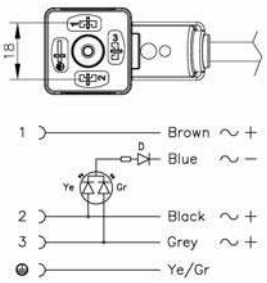
	EN175301-803-A			
	A			
	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)			
	2 + PE / PE bridged			
	PUR / PVC			
	3 G 0,75 mm² PVC			
	3 m			
	MA634V56PP12300			
	order no. **MA634V56PP12500**			
	black			
	brown - blue - yellow/green			
	6,7 mm			
	-40°C to + 80°C			
	-25°C to + 80°C			
				
	6,3 x 0,8mm ; 4,8 x 0,8mm			
	230 V AC/DC			
	5 A			
	VDR 275 Vrms 8,6 Joule			
	yellow			
	15mΩ max.			
	III			
	central screw M3 x 28,5mm			
	0,3 - 0,5 N/m			
	PA6 GF			
	TPU			
	IP65 , IP67 , [IP69K DIN40050-9]			
	3			
	V0			
	HB			
	100 pieces			
	MA634V56PP12300			
	MA634V56PP12500			
	13...15 Kg			
	39 x 39 x 19,5 cm			
	(P113)			

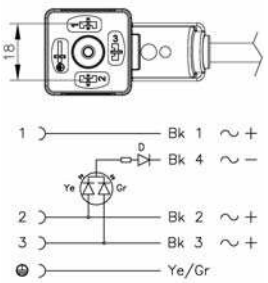
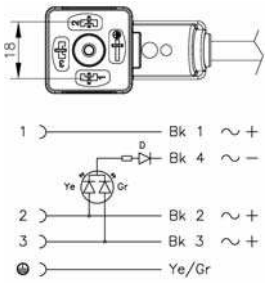
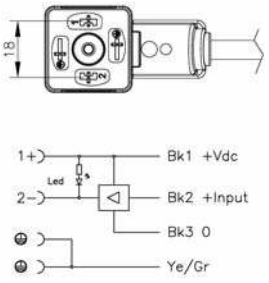
Form A - EN 175301-803 (DIN43650) / ISO 4400

Valve Connectors **MA6** series

MOULDED IN CABLE

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard		EN175301-803-A	EN175301-803-A
Construction type		A	A
Description	Integrated gasket (TPU) and central fixing screw	P18 connector with moulded cable (PE) earth in H12 position function indicator bi-color LED for pressure switch device	P18 connector with moulded cable (PE) earth in H6 position function indicator bi-color LED for pressure switch device
Number of contacts		3 + PE	3 + PE
Cable type		CEI 2022 II O.R. PVC	CEI 2022 II O.R. PVC
Conductors specification		5 G 0,75 mm² PVC	5 G 0,75 mm² PVC
Cable length		3 m	3 m
Order no.		**MA635P3YPC04300**	**MA636P3YPC04300**
Other standard options	cable length 5m	order no. **MA635P3YPC04500**	order no. **MA636P3YPC04500**
Cable jacket colour		grey RAL7035	grey RAL7035
Conductor colours		brown - blue - black - grey yellow/green	brown - blue - black - grey yellow/green
Cable diameter +/-5%		6,8 mm	6,8 mm
Cable temperature range	static application	-15°C to + 70°C	-15°C to + 70°C
	flexible application		
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		5 A	5 A
Suppressor			
LED colour		yellow (pin 2) green (pin 3)	yellow (pin 2) green (pin 3)
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**MA635P3YPC04300**	**MA636P3YPC04300**
	4 boxes	**MA635P3YPC04500**	**MA636P3YPC04500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)			
Technical specifications on cables and accessories see pages 171-175			

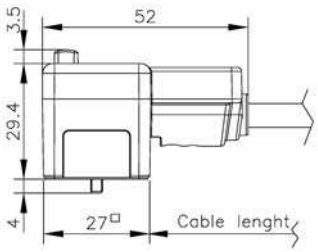
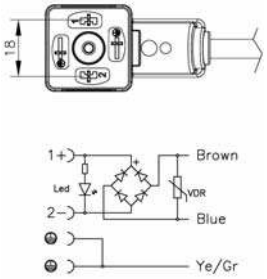
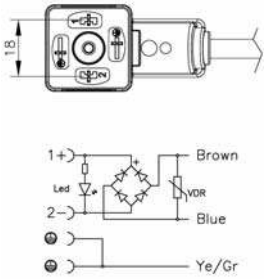
	EN175301-803-A	EN175301-803-A	EN175301-803-A	
	A	A	A	
	P18 connector with moulded cable (PE) earth in H12 position function indicator bi-color LED for pressure switch device	P18 connector with moulded cable (PE) earth in H6 position function indicator bi-color LED for pressure switch device	P18 connector with moulded cable (PE) earth in H6 and H12 position (bridged) function indicator (LED) and mosfet circuit (solid state relay)	
	3 + PE	3 + PE	2 + PE / PE bridged	
	PVC flame (IEC60332-1) and oil resistance	PVC flame (IEC60332-1) and oil resistance	PVC flame (IEC60332-1) and oil resistance	
	5 G 0,75 mm² PVC	5 G 0,75 mm² PVC	4 G 0,75 mm² PVC	
	3 m	3 m	3 m	
	MA635P3YPG05300	**MA636P3YPG05300**	**MA644A54PG05300**	
	order no. **MA635P3YPG05500**	order no. **MA636P3YPG05500**	order no. **MA644A54PG05500**	
	grey RAL7001	grey RAL7001	grey RAL7001	
	black1 - black2 - black3 - black4 yellow/green	black1 - black2 - black3 - black4 yellow/green	black1 - black2 - black3 yellow/green	
	7,3 mm	7,3 mm	6,7 mm	
	-30°C to + 70°C	-30°C to + 70°C	-30°C to + 70°C	
	+ 5°C to + 70°C	+ 5°C to + 70°C	+ 5°C to + 70°C	
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
	24 V AC/DC	24 V AC/DC	24 V DC	
	5 A	5 A	2 A	
	yellow (pin 2) green (pin 3)	yellow (pin 2) green (pin 3)	yellow	
	15mΩ max.	15mΩ max.	15mΩ max.	
	III	III	III	
	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm	
	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	
	PA6 GF	PA6 GF	PA6 GF	
	TPU	TPU	TPU	
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	
	3	3	3	
	V0	V0	V0	
	HB	HB	HB	
	100 pieces	100 pieces	100 pieces	
	MA635P3YPG05300	**MA636P3YPG05300**	**MA644A54PG05300**	
	MA635P3YPG05500	**MA636P3YPG05500**	**MA644A54PG05600**	
	13...15 Kg	13...15 Kg	13...15 Kg	
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	

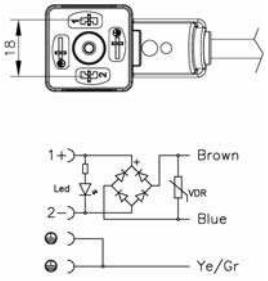
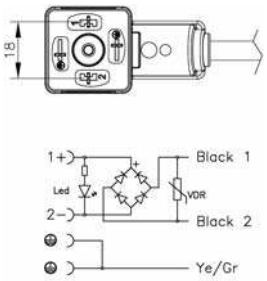
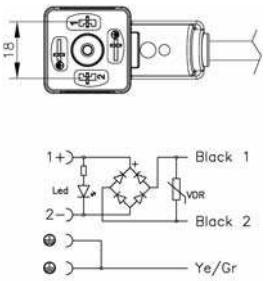
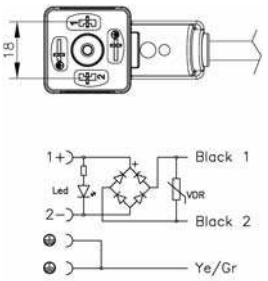
Form A - EN 175301-803 (DIN43650) / ISO 4400

Valve Connectors **MA6** series

MOULDED IN CABLE

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard		EN175301-803-A	EN175301-803-A
Construction type		A	A
Description	Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
Cable length		3 m	3 m
Order no.		**MA634RB4PA05300**	**MA634RB5PA05300**
Other standard options	cable length 5m,	order no. **MA634RB4PA05500**	order no. **MA634RB5PA05500**
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application	-15°C to + 70°C	-15°C to + 70°C
	flexible application		
Drawing				
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC
Rated current max.		2 A	2 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	**MA634RB4PA05300**	**MA634RB5PA05300**
	4 boxes	**MA634RB4PA05500**	**MA634RB5PA05500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A013) (C033; C053)	(A013) (C033; C053)
		(P113) (P123)	(P113) (P123)
Technical specifications on cables and accessories see pages 171-175			

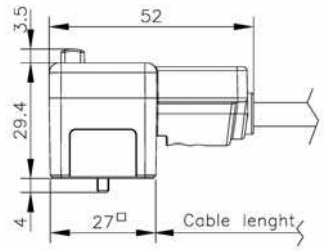
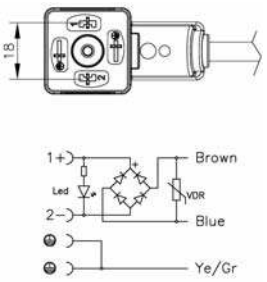
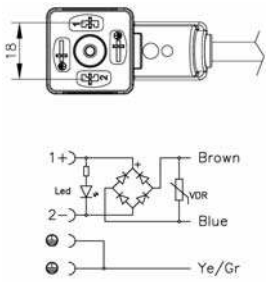
	EN175301-803-A	EN175301-803-A	EN175301-803-A	EN175301-803-A
	A	A	A	A
	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)
	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged
	H05VV-F VDE 0281-5 PVC	PVC flame (IEC60332-1) and oil resistance	PVC flame (IEC60332-1) and oil resistance	PVC flame (IEC60332-1) and oil resistance
	3 G 0,75 mm^2 PVC	3 G 0,75 mm^2 PVC	3 G 0,75 mm^2 PVC	3 G 0,75 mm^2 PVC
	3 m	3 m	3 m	3 m
	MA634RB6PA05300	**MA634RB4PG05300**	**MA634RB5PG05300**	**MA634RB6PG05300**
	order no. **MA634RB6PA05500**	order no. **MA634RB4PG05500**	order no. **MA634RB5PG05500**	order no. **MA634RB6PG05500**
	black	grey RAL 7001	grey RAL 7001	grey RAL 7001
	brown - blue - yellow/green	black1 - black2 - yellow/green	black1 - black2 - yellow/green	black1 - black2 - yellow/green
	6,7 mm	6,2 mm	6,2 mm	6,2 mm
	-15°C to + 70°C	-30°C to + 70°C	-30°C to + 70°C	-30°C to + 70°C
		+ 5°C to + 70°C	+ 5°C to + 70°C	+ 5°C to + 70°C
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	Input 230 VAC ; Output 207 VDC	Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	Input 230 VAC ; Output 207 VDC
	2 A	2 A	2 A	2 A
	VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm
	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	TPU	TPU	TPU	TPU
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
	3	3	3	3
	V0	V0	V0	V0
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	MA634RB6PA05300	**MA634RB4PG05300**	**MA634RB5PG05300**	**MA634RB6PG05300**
	MA634RB6PA05500	**MA634RB4PG05500**	**MA634RB5PG05500**	**MA634RB6PG05500**
	13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
	(A013) (C033; C053)	(G033)	(G033)	(G033)
	(P113) (P123)			

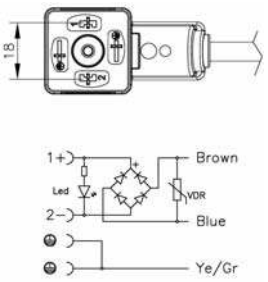
Form A - EN 175301-803 (DIN43650) / ISO 4400

Valve Connectors **MA6** series

MOULDED IN CABLE

Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard		EN175301-803-A	EN175301-803-A
Construction type		A	A
Description	Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		PUR / PVC	PUR / PVC
Conductors specification		3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
Cable length		3 m	3 m
Order no.		**MA634RB4PP12300**	**MA634RB5PP12300**
Other standard options	cable length 5m,	order no. **MA634RB4PP12500**	order no. **MA634RB5PP12500**
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing			
			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC
Rated current max.		2 A	2 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	**MA634RB4PP12300**	**MA634RB5PP12300**
	4 boxes	**MA634RB4PP12500**	**MA634RB5PP12500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(P113)	(P113)
Technical specifications on cables and accessories see pages 171-175			

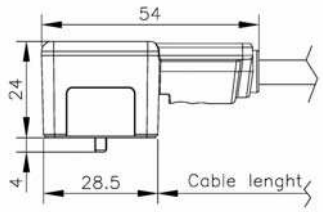
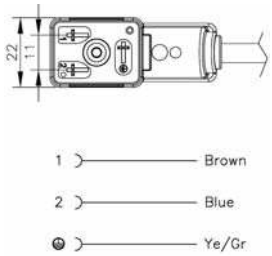
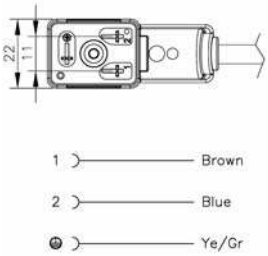
	EN175301-803-A			
	A			
	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)			
	2 + PE / PE bridged			
	PUR / PVC			
	3 G 0,75 mm² PVC			
	3 m			
	MA634RB6PP12300			
	order no. **MA634RB6PP12500**			
	black			
	brown - blue - yellow/green			
	6,7 mm			
	-40°C to + 80°C			
	-25°C to + 80°C			
				
	6,3 x 0,8mm ; 4,8 x 0,8mm			
	Input 230 VAC ; Output 207 VDC			
	2 A			
	VDR 275 Vrms 8,6 Joule			
	yellow			
	15mΩ max.			
	III			
	central screw M3 x 28,5mm			
	0,3 - 0,5 N/m			
	PA6 GF			
	TPU			
	IP65 , IP67 , [IP69K DIN40050-9]			
	3			
	V0			
	HB			
	100 pieces			
	MA634RB6PP12300			
	MA634RB6PP12500			
	13...15 Kg			
	39 x 39 x 19,5 cm			
	(P113)			

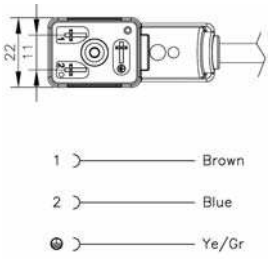
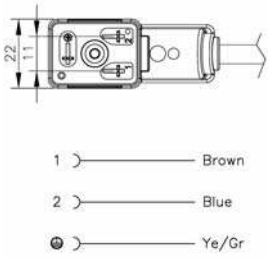
Form A - EN 175301-803 (DIN43650) / ISO 4400

Valve Connectors **MB1** series

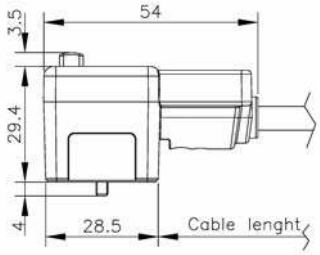
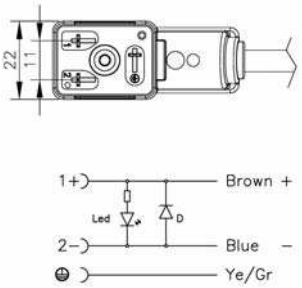
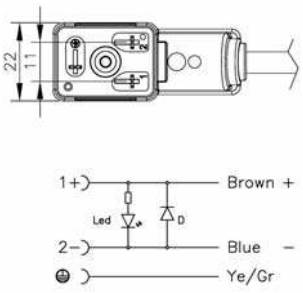
MOULDED IN CABLE

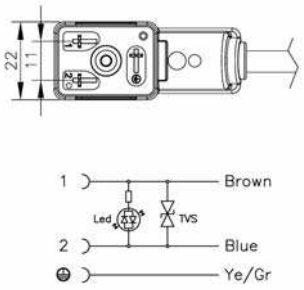
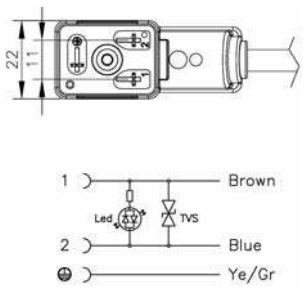
Form B - INDUSTRIAL

Product description				
Standard		Industrial standard (11 mm)	Industrial standard (11 mm)	
Construction type		B	B	
Description	Integrated gasket (TPU) and central fixing screw	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet)	
Number of contacts		2 + PE	2 + PE	
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	
Conductors specification		3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	
Cable length		3 m	3 m	
Order no.		**MB136000PA05300**	**MB135000PA05300**	
Other standard options	cable length 1m	order no. **MB136000PA05100**	order no. **MB135000PA05100**	
	cable length 5m	order no. **MB136000PA05500**	order no. **MB135000PA05500**	
Cable jacket colour		black	black	
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green	
Cable diameter +/-5%		6,7 mm	6,7 mm	
Cable temperature range	static application	-15°C to + 70°C	-15°C to + 70°C	
	flexible application			
Drawing				
Technical data				
Pin dimension		6,3 x 0,8mm	6,3 x 0,8mm	
Rated voltage max.		250 V AC/DC	250 V AC/DC	
Rated current max.		5 A	5 A	
Suppressor				
LED colour				
Contact resistance		15mΩ max.	15mΩ max.	
Overvoltage category		III	III	
Mounting		central screw M3 x 25mm	central screw M3 x 25mm	
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m	
Material				
Contact holder material		PA6 GF	PA6 GF	
Overmoulding material		TPU	TPU	
Enviromental conditions				
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	
Pollution severity (EN 60664-1)		3	3	
Inflammability class				
Contact holder		V0	V0	
Moulded housing		HB	HB	
Packaging				
Minimum quantity		100 pcs.	100 pcs.	
Number of boxes suitable :	1 box	**MB136000PA05100**	**MB135000PA05100**	
	2 boxes	**MB136000PA05300**	**MB135000PA05300**	
	4 boxes	**MB136000PA05500**	**MB135000PA05500**	
Approximate weight per box		13....15 Kg	13....15 Kg	
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	
Other cable options on request				
type (part number)		(A012; A013) (C033; C053)	(A012; A013) (C033; C053)	
Technical specifications on cables and accessories see pages 171-175				

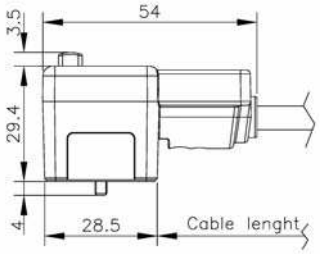
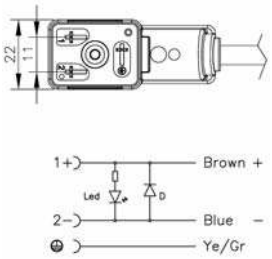
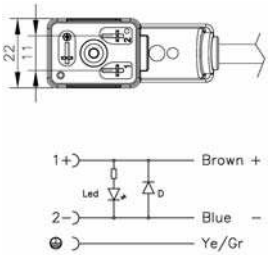
	Industrial standard (11 mm)	Industrial standard (11 mm)		
	B	B		
	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet)		
	2 + PE	2 + PE		
	PUR / PVC	PUR / PVC		
	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC		
	3 m	3 m		
	MB136000PP12300	**MB135000PP12300**		
	order no. **MB136000PP12500**	order no. **MB135000PP12500**		
	black	black		
	brown - blue - yellow/green	brown - blue - yellow/green		
	6,7 mm	6,7 mm		
	-40°C to + 80°C	-40°C to + 80°C		
	-25°C to + 80°C	-25°C to + 80°C		
				
	6,3 x 0,8mm	6,3 x 0,8mm		
	250 V AC/DC	250 V AC/DC		
	5 A	5 A		
	15mΩ max.	15mΩ max.		
	III	III		
	central screw M3 x 25mm	central screw M3 x 25mm		
	0,3 - 0,5 N/m	0,3 - 0,5 N/m		
	PA6 GF	PA6 GF		
	TPU	TPU		
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
	3	3		
	V0	V0		
	HB	HB		
	100 pcs.	100 pcs.		
	MB136000PP12300	**MB135000PP12300**		
	MB136000PP12500	**MB135000PP12500**		
	13....15 Kg	13....15 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
	(P113)	(P113)		

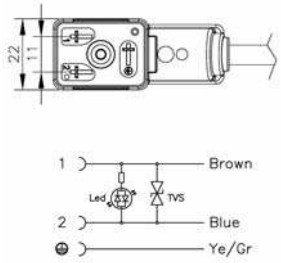
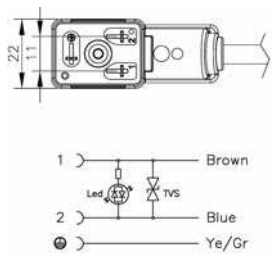
Form B - INDUSTRIAL

Product description			
Standard		Industrial standard (11 mm)	Industrial standard (11 mm)
Construction type		B	B
Description	Integrated gasket (TPU) and central fixing screw	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (diode)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (diode)
Number of contacts		2 + PE	2 + PE
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
Cable length		3 m	3 m
Order no.		**MB636D54PA05300**	**MB635D54PA05300**
Other standard options	cable length 5m,	order no. **MB636D54PA05500**	order no. **MB635D54PA05500**
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application	-15°C to + 70°C	-15°C to + 70°C
	flexible application		
Drawing				
Technical data			
Pin dimension		6,3 x 0,8mm	6,3 x 0,8mm
Voltage		24 V DC	24 V DC
Rated current max.		4 A	4 A
Suppressor		diode 1A 1000V	diode 1A 1000V
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	**MB636D54PA05300**	**MB635D54PA05300**
	4 boxes	**MB636D54PA05500**	**MB635D54PA05500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012; A013) (C033; C053)	(A012; A013) (C033; C053)
Technical specifications on cables and accessories see pages 171-175			

	Industrial standard (11 mm)	Industrial standard (11 mm)		
	B	B		
	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) TVS protective circuit (transil)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) TVS protective circuit (transil)		
	2 + PE	2 + PE		
	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC		
	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC		
	3 m	3 m		
	MB636T54PA05300	**MB635T54PA05300**		
	order no. **MB636T54PA05500**	order no. **MB635T54PA05500**		
	black	black		
	brown - blue - yellow/green	brown - blue - yellow/green		
	6,7 mm	6,7 mm		
	-15°C to + 70°C	-15°C to + 70°C		
				
	6,3 x 0,8mm	6,3 x 0,8mm		
	24 V AC/DC	24 V AC/DC		
	4 A	4 A		
	TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W		
	yellow	yellow		
	15mΩ max.	15mΩ max.		
	III	III		
	central screw M3 x 28,5mm	central screw M3 x 28,5mm		
	0,3 - 0,5 N/m	0,3 - 0,5 N/m		
	PA6 GF	PA6 GF		
	TPU	TPU		
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
	3	3		
	V0	V0		
	HB	HB		
	100 pieces	100 pieces		
	MB636T54PA05300	**MB635T54PA05300**		
	MB636T54PA05500	**MB635T54PA05500**		
	13...15 Kg	13...15 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
	(A012; A013) (C033; C053)	(A012; A013) (C033; C053)		

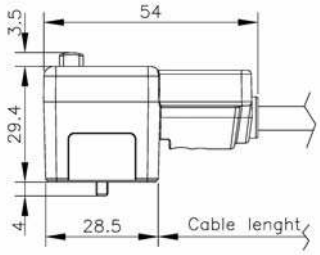
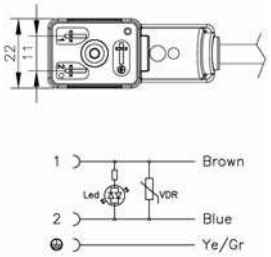
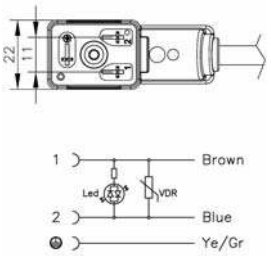
Form B - INDUSTRIAL

Product description			
Standard		Industrial standard (11 mm)	Industrial standard (11 mm)
Construction type		B	B
Description	Integrated gasket (TPU) and central fixing screw	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (diode)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (diode)
Number of contacts		2 + PE	2 + PE
Cable type		PUR / PVC	PUR / PVC
Conductors specification		3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
Cable length		3 m	3 m
Order no.		**MB636D54PP12300**	**MB635D54PP12300**
Other standard options	cable length 5m,	order no. **MB636D54PP12500**	order no. **MB635D54PP12500**
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,5 mm	6,5 mm
Cable temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing		 	
Technical data			
Pin dimension		6,3 x 0,8mm	6,3 x 0,8mm
Voltage		24 V DC	24 V DC
Rated current max.		4 A	4 A
Suppressor		diode 1A 1000V	diode 1A 1000V
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**MB636D54PP12300**	**MB635D54PP12300**
	4 boxes	**MB636D54PP12500**	**MB635D54PP12500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(P113)	(P113)
Technical specifications on cables and accessories see pages 171-175			

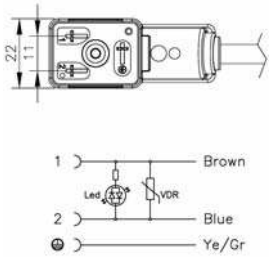
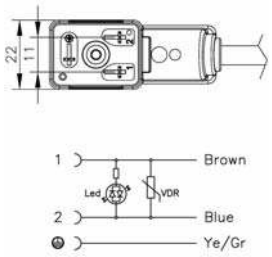
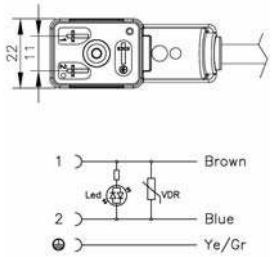
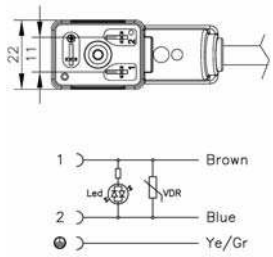
	Industrial standard (11 mm)	Industrial standard (11 mm)		
	B	B		
	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) TVS protective circuit (transil)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) TVS protective circuit (transil)		
	2 + PE	2 + PE		
	PUR / PVC	PUR / PVC		
	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC		
	3 m	3 m		
	MB636T54PP12300	**MB635T54PP12300**		
	order no. **MB636T54PP12500**	order no. **MB635T54PP12500**		
	black	black		
	brown - blue - yellow/green	brown - blue - yellow/green		
	6,5 mm	6,5 mm		
	-40°C to + 80°C	-40°C to + 80°C		
	-25°C to + 80°C	-25°C to + 80°C		
				
	6,3 x 0,8mm	6,3 x 0,8mm		
	24 V AC/DC	24 V AC/DC		
	4 A	4 A		
	TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W		
	yellow	yellow		
	15mΩ max.	15mΩ max.		
	III	III		
	central screw M3 x 28,5mm	central screw M3 x 28,5mm		
	0,3 - 0,5 N/m	0,3 - 0,5 N/m		
	PA6 GF	PA6 GF		
	TPU	TPU		
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
	3	3		
	V0	V0		
	HB	HB		
	100 pieces	100 pieces		
	MB636T54PP12300	**MB635T54PP12300**		
	MB636T54PP12500	**MB635T54PP12500**		
	13...15 Kg	13...15 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
	(P113)	(P113)		

Valve Connectors **MB6** series

MOULDED IN CABLE

Product description			
Standard		Industrial standard (11 mm)	Industrial standard (11 mm)
Construction type		B	B
Description	Integrated gasket (TPU) and central fixing screw	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
Number of contacts		2 + PE	2 + PE
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
Cable length		3 m	3 m
Order no.		**MB636V54PA05300**	**MB635V54PA05300**
Other standard options	cable length 5m,	order no. **MB636V54PA05500**	order no. **MB635V54PA05500**
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application	-15°C to + 70°C	-15°C to + 70°C
	flexible application		
Drawing				
Technical data			
Pin dimension		6,3 x 0,8mm	6,3 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		5 A	5 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 30 Vrms 0,9 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	**MB636V54PA05300**	**MB635V54PA05300**
	4 boxes	**MB636V54PA05500**	**MB635V54PA05500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A013) (C033; C053)	(A013) (C033; C053)
Technical specifications on cables and accessories see pages 171-175			

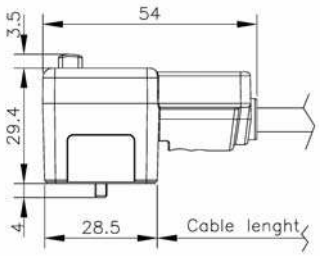
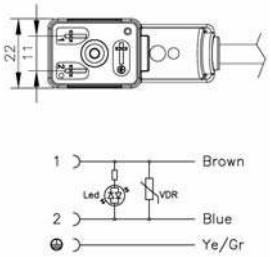
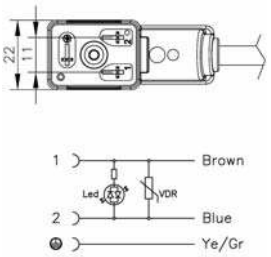
MOULDED IN CABLE

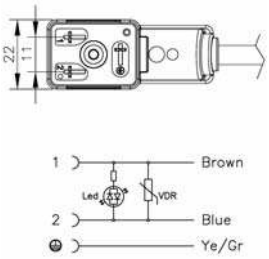
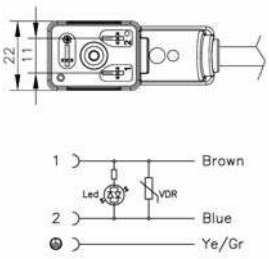
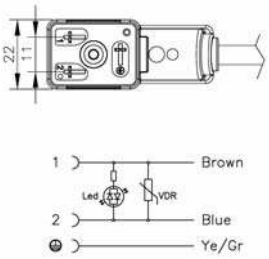
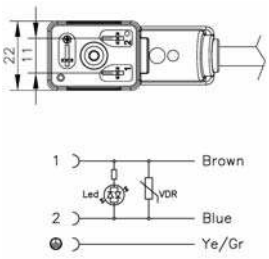
	Industrial standard (11 mm)	Industrial standard (11 mm)	Industrial standard (11 mm)	Industrial standard (11 mm)
	B	B	B	B
	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
	2 + PE	2 + PE	2 + PE	2 + PE
	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
	3 m	3 m	3 m	3 m
	MB636V55PA05300	**MB635V55PA05300**	**MB636V56PA05300**	**MB635V56PA05300**
	order no. **MB636V55PA05500**	order no. **MB635V55PA05500**	order no. **MB636V56PA05500**	order no. **MB635V56PA05500**
	black	black	black	black
	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green
	6,7 mm	6,7 mm	6,7 mm	6,7 mm
	-15°C to + 70°C	-15°C to + 70°C	-15°C to + 70°C	-15°C to + 70°C
				
	6,3 x 0,8mm	6,3 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	115 V AC/DC	115 V AC/DC	230 V AC/DC	230 V AC/DC
	5 A	5 A	5 A	5 A
	VDR 130 Vrms 4,5 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm
	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	TPU	TPU	TPU	TPU
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
	3	3	3	3
	V0	V0	V0	V0
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	MB636V55PA05300	**MB635V55PA05300**	**MB636V56PA05300**	**MB635V56PA05300**
	MB636V55PA05500	**MB635V55PA05500**	**MB636V56PA05500**	**MB635V56PA05500**
	13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
	(A013) (C033; C053)	(A013) (C033; C053)	(A013) (C033; C053)	(A013) (C033; C053)

Valve Connectors **MB6** series

MOULDED IN CABLE

Form B - INDUSTRIAL

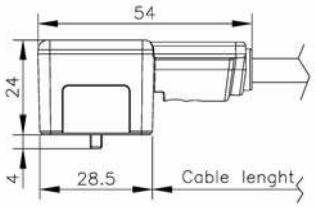
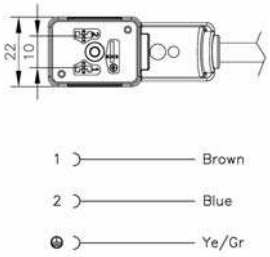
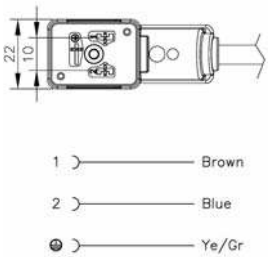
Product description			
Standard		Industrial standard (11 mm)	Industrial standard (11 mm)
Construction type		B	B
Description	Integrated gasket (TPU) and central fixing screw	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
Number of contacts		2 + PE	2 + PE
Cable type		PUR / PVC	PUR / PVC
Conductors specification		3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
Cable length		3 m	3 m
Order no.		**MB636V54PP12300**	**MB635V54PP12300**
Other standard options	cable length 5m,	order no. **MB636V54PP12500**	order no. **MB635V54PP12500**
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing				
Technical data			
Pin dimension		6,3 x 0,8mm	6,3 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		5 A	5 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 30 Vrms 0,9 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**MB636V54PP12300**	**MB635V54PP12300**
	4 boxes	**MB636V54PP12500**	**MB635V54PP12500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(P113)	(P113)
Technical specifications on cables and accessories see pages 171-175			

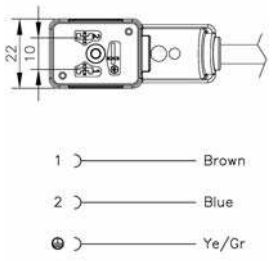
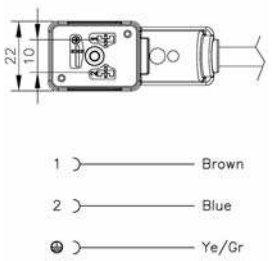
	Industrial standard (11 mm)	Industrial standard (11 mm)	Industrial standard (11 mm)	Industrial standard (11 mm)
	B	B	B	B
	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
	2 + PE	2 + PE	2 + PE	2 + PE
	PUR / PVC	PUR / PVC	PUR / PVC	PUR / PVC
	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
	3 m	3 m	3 m	3 m
	MB636V55PP12300	**MB635V55PP12300**	**MB636V56PP12300**	**MB635V56PP12300**
	order no. **MB636V55PP12500**	order no. **MB635V55PP12500**	order no. **MB636V56PP12500**	order no. **MB635V56PP12500**
	black	black	black	black
	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green
	6,7 mm	6,7 mm	6,7 mm	6,7 mm
	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
	-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C
				
	6,3 x 0,8mm	6,3 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	115 V AC/DC	115 V AC/DC	230 V AC/DC	230 V AC/DC
	5 A	5 A	5 A	5 A
	VDR 130 Vrms 4,5 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm
	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	TPU	TPU	TPU	TPU
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
	3	3	3	3
	V0	V0	V0	V0
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	MB636V55PP12300	**MB635V55PP12300**	**MB636V56PP12300**	**MB635V56PP12300**
	MB636V55PP12500	**MB635V55PP12500**	**MB636V56PP12500**	**MB635V56PP12500**
	13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
	(P113)	(P113)	(P113)	(P113)

Valve Connectors **ME1** series

MOULDED IN CABLE

Form B - EN 175301-803 (DIN43650) / ISO 6952

Product description				
Standard		EN175301-803	EN175301-803	
Construction type		B	B	
Description	Integrated gasket (TPU) and central fixing screw	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet)	
Number of contacts		2 + PE	2 + PE	
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	
Conductors specification		3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	
Cable length		3 m	3 m	
Order no.		**ME136000PA05300**	**ME135000PA05300**	
Other standard options	cable length 1m,	order no. **ME136000PA05100**	order no. **ME135000PA05100**	
	cable length 5m,	order no. **ME136000PA05500**	order no. **ME135000PA05500**	
Cable jacket colour		black	black	
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green	
Cable diameter +/-5%		6,7 mm	6,7 mm	
Cable temperature range	static application	-15 °C to + 70 °C	-15 °C to + 70 °C	
	flexible application			
Drawing				
Technical data				
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
Rated voltage max.		250 V AC/DC	250 V AC/DC	
Rated current max.		5 A	5 A	
Suppressor				
LED colour				
Contact resistance		15mΩ max.	15mΩ max.	
Overvoltage category		III	III	
Mounting		central screw M3 x 25mm	central screw M3 x 25mm	
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m	
Material				
Contact holder material		PA6 GF	PA6 GF	
Overmoulding material		TPU	TPU	
Enviromental conditions				
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	
Pollution severity (EN 60664-1)		3	3	
Inflammability class				
Contact holder		V0	V0	
Moulded housing		HB	HB	
Packaging				
Minimum quantity		100 pcs.	100 pcs.	
Number of boxes suitable:	1 box	**ME136000PA05100**	**ME135000PA05100**	
	2 boxes	**ME136000PA05300**	**ME135000PA05300**	
	4 boxes	**ME136000PA05500**	**ME135000PA05500**	
Approximate weight per box		13....15 Kg	13....15 Kg	
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	
Other cable options on request				
type (part number)		(A012; A013) (C033; C053)	(A012; A013) (C033; C053)	
Technical specifications on cables and accessories see pages 171-175				

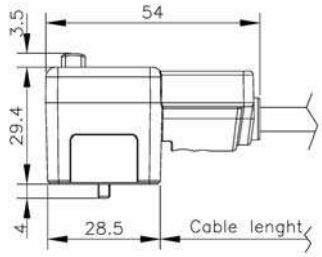
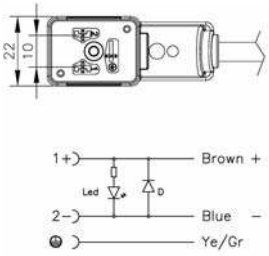
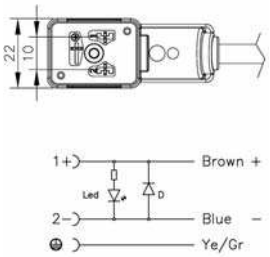
	EN175301-803	EN175301-803		
	B	B		
	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet)		
	2 + PE	2 + PE		
	PUR / PVC	PUR / PVC		
	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC		
	3 m	3 m		
	ME136000PP12300	**ME135000PP12300**		
	order no. **ME136000PP125500**	order no. **ME135000PP125500**		
	black	black		
	brown - blue - yellow/green	brown - blue - yellow/green		
	6,5 mm	6,5 mm		
	-40°C to + 80°C	-40°C to + 80°C		
	-25°C to + 80°C	-25°C to + 80°C		
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm		
	250 V AC/DC	250 V AC/DC		
	5 A	5 A		
	15mΩ max.	15mΩ max.		
	III	III		
	central screw M3 x 25mm	central screw M3 x 25mm		
	0,3 - 0,5 N/m	0,3 - 0,5 N/m		
	PA6 GF	PA6 GF		
	TPU	TPU		
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
	3	3		
	V0	V0		
	HB	HB		
	100 pcs.	100 pcs.		
	ME136000PP12300	**ME135000PP12300**		
	ME136000PP12500	**ME135000PP12500**		
	13....15 Kg	13....15 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
	(P113)	(P113)		

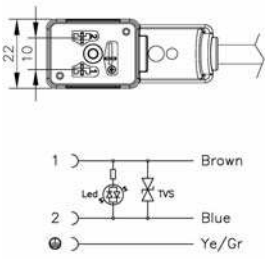
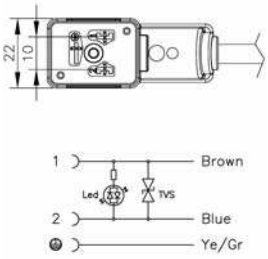
Form B - EN 175301-803 (DIN43650) / ISO 6952

Valve Connectors **ME6** series

MOULDED IN CABLE

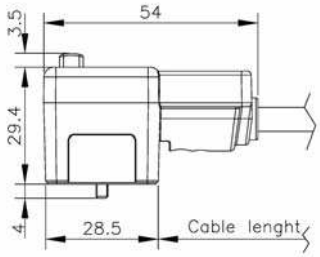
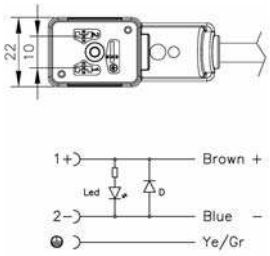
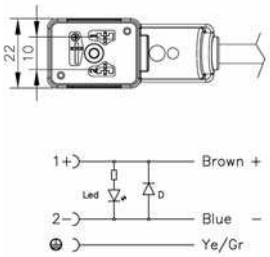
Form B - EN 175301-803 (DIN43650) / ISO 6952

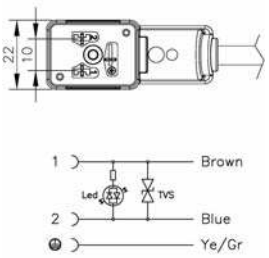
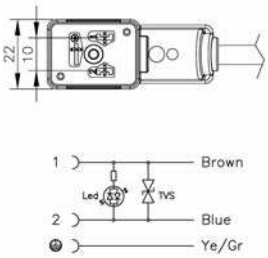
Product description			
Standard		EN175301-803	EN175301-803
Construction type		B	B
Description	Integrated gasket (TPU) and central fixing screw	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (diode)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (diode)
Number of contacts		2 + PE	2 + PE
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
Cable length		3 m	3 m
Order no.		**ME636D54PA05300**	**ME635D54PA05300**
Other standard options	cable length 5m,	order no. **ME636D54PA05500**	order no. **ME635D54PA05500**
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application	-15°C to + 70°C	-15°C to + 70°C
	flexible application		
Drawing				
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V DC	24 V DC
Rated current max.		4 A	4 A
Suppressor		diode 1A 1000V	diode 1A 1000V
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**ME636D54PA05300**	**ME635D54PA05300**
	4 boxes	**ME636D54PA05500**	**ME635D54PA05500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012; A013) (C033; C053)	(A012; A013) (C033; C053)
Technical specifications on cables and accessories see pages 171-175			

	EN175301-803	EN175301-803		
	B	B		
	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) TVS protective circuit (transil)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) TVS protective circuit (transil)		
	2 + PE	2 + PE		
	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC		
	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC		
	3 m	3 m		
	ME636T54PA05300	**ME635T54PA05300**		
	order no. **ME636T54PA05500**	order no. **ME635T54PA05500**		
	black	black		
	brown - blue - yellow/green	brown - blue - yellow/green		
	6,7 mm	6,7 mm		
	-15°C to + 70°C	-15°C to + 70°C		
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm		
	24 V AC/DC	24 V AC/DC		
	4 A	4 A		
	TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W		
	yellow	yellow		
	15mΩ max.	15mΩ max.		
	III	III		
	central screw M3 x 28,5mm	central screw M3 x 28,5mm		
	0,3 - 0,5 N/m	0,3 - 0,5 N/m		
	PA6 GF	PA6 GF		
	TPU	TPU		
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
	3	3		
	V0	V0		
	HB	HB		
	100 pieces	100 pieces		
	ME636T54PA05300	**ME635T54PA05300**		
	ME636T54PA05500	**ME635T54PA05500**		
	13...15 Kg	13...15 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
	(A012; A013) (C033; C053)	(A012; A013) (C033; C053)		

Form B - EN 175301-803 (DIN43650) / ISO 6952

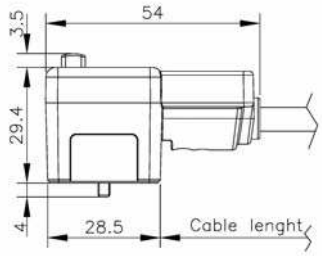
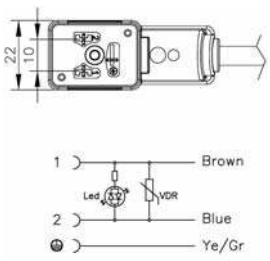
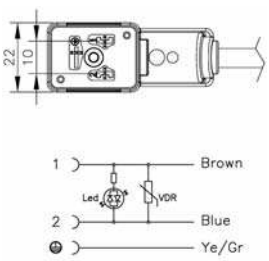
Form B - EN 175301-803 (DIN43650) / ISO 6952

Product description			
Standard		EN175301-803	EN175301-803
Construction type		B	B
Description	Integrated gasket (TPU) and central fixing screw	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (diode)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (diode)
Number of contacts		2 + PE	2 + PE
Cable type		PUR / PVC	PUR / PVC
Conductors specification		3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
Cable length		3 m	3 m
Order no.		**ME636D54PP12300**	**ME635D54PP12300**
Other standard options	cable length 5m,	order no. **ME636D54PP12500**	order no. **ME635D54PP12500**
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,5 mm	6,5 mm
Cable temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing				
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V DC	24 V DC
Rated current max.		4 A	4 A
Suppressor		diode 1A 1000V	diode 1A 1000V
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**ME636D54PP12300**	**ME635D54PP12300**
	4 boxes	**ME636D54PP12500**	**ME635D54PP12500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(P113)	(P113)
Technical specifications on cables and accessories see pages 171-175			

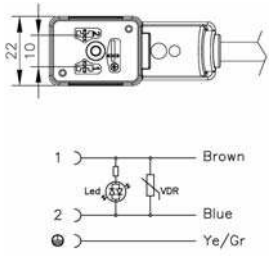
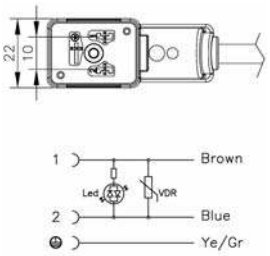
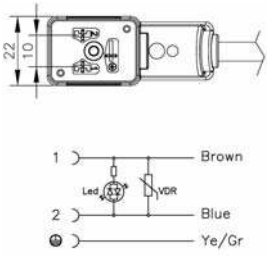
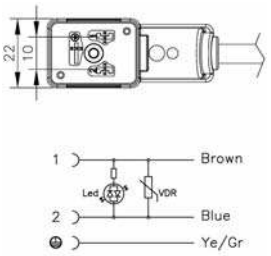
	EN175301-803	EN175301-803		
	B	B		
	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) TVS protective circuit (transil)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) TVS protective circuit (transil)		
	2 + PE	2 + PE		
	PUR / PVC	PUR / PVC		
	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC		
	3 m	3 m		
	ME636T54PP12300	**ME635T54PP12300**		
	order no. **ME636T54PP12500**	order no. **ME635T54PP12500**		
	black	black		
	brown - blue - yellow/green	brown - blue - yellow/green		
	6,5 mm	6,5 mm		
	-40°C to + 80°C	-40°C to + 80°C		
	-25°C to + 80°C	-25°C to + 80°C		
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm		
	24 V DC	24 V AC/DC		
	4 A	4 A		
	TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W		
	yellow	yellow		
	15mΩ max.	15mΩ max.		
	III	III		
	central screw M3 x 28,5mm	central screw M3 x 28,5mm		
	0,3 - 0,5 N/m	0,3 - 0,5 N/m		
	PA6 GF	PA6 GF		
	TPU	TPU		
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
	3	3		
	V0	V0		
	HB	HB		
	100 pieces	100 pieces		
	ME636T54PP12300	**ME635T54PP12300**		
	ME636T54PP12500	**ME635T54PP12500**		
	13...15 Kg	13...15 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
	(P113)	(P113)		

Form B - EN 175301-803 (DIN43650) / ISO 6952

Form B - EN 175301-803 (DIN43650) / ISO 6952

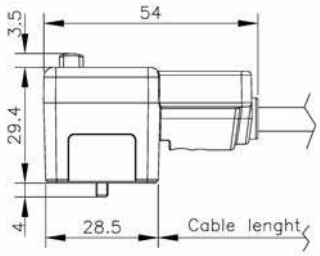
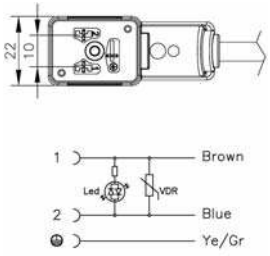
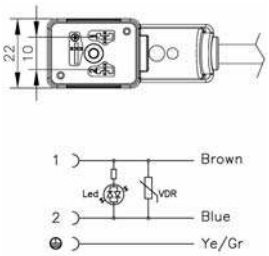
Product description			
Standard		EN175301-803	EN175301-803
Construction type		B	B
Description	Integrated gasket (TPU) and central fixing screw	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
Number of contacts		2 + PE	2 + PE
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
Cable length		3 m	3 m
Order no.		**ME636V54PA05300**	**ME635V54PA05300**
Other standard options	cable length 5m,	order no. **ME636V54PA05500**	order no. **ME635V54PA05500**
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application	-15°C to + 70°C	-15°C to + 70°C
	flexible application		
Drawing				
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		5 A	5 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 30 Vrms 0,9 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**ME636V54PA05300**	**ME635V54PA05300**
	4 boxes	**ME636V54PA05500**	**ME635V54PA05500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A013) (C033; C053)	(A013) (C033; C053)
Technical specifications on cables and accessories see pages 171-175			

MOULDED IN CABLE

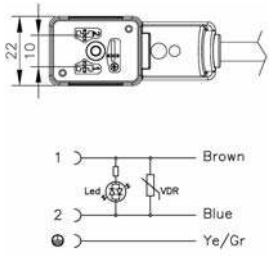
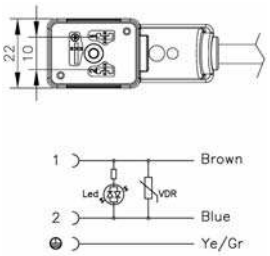
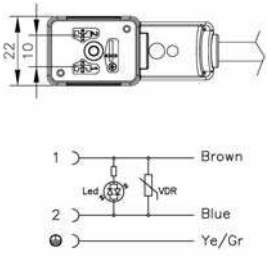
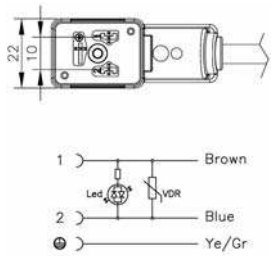
	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	B	B	B	B
	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
	2 + PE	2 + PE	2 + PE	2 + PE
	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
	3 m	3 m	3 m	3 m
	ME636V55PA05300	**ME635V55PA05300**	**ME636V56PA05300**	**ME635V56PA05300**
	order no. **ME636V55PA05500**	order no. **ME635V55PA05500**	order no. **ME636V56PA05500**	order no. **ME635V56PA05500**
	black	black	black	black
	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green
	6,7 mm	6,7 mm	6,7 mm	6,7 mm
	-15°C to + 70°C	-15°C to + 70°C	-15°C to + 70°C	-15°C to + 70°C
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	115 V AC/DC	115 V AC/DC	230 V AC/DC	230 V AC/DC
	5 A	5 A	5 A	5 A
	VDR 130 Vrms 4,5 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm
	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	TPU	TPU	TPU	TPU
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
	3	3	3	3
	V0	V0	V0	V0
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	ME636V55PA05300	**ME635V55PA05300**	**ME636V56PA05300**	**ME635V56PA05300**
	ME636V55PA05500	**ME635V55PA05500**	**ME636V56PA05500**	**ME635V56PA05500**
	13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
	(A013) (C033; C053)	(A013) (C033; C053)	(A013) (C033; C053)	(A013) (C033; C053)

Form B - EN 175301-803 (DIN43650) / ISO 6952

Form B - EN 175301-803 (DIN43650) / ISO 6952

Product description			
Standard		EN175301-803	EN175301-803
Construction type		B	B
Description	Integrated gasket (TPU) and central fixing screw	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
Number of contacts		2 + PE	2 + PE
Cable type		PUR / PVC	PUR / PVC
Conductors specification		3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
Cable length		3 m	3 m
Order no.		**ME636V54PP12300**	**ME635V54PP12300**
Other standard options	cable length 5m,	order no. **ME636V54PP12500**	order no. **ME635V54PP12500**
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing			
			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		5 A	5 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 30 Vrms 0,9 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**ME636V54PP12300**	**ME635V54PP12300**
	4 boxes	**ME636V54PP12500**	**ME635V54PP12500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(P113)	(P113)
Technical specifications on cables and accessories see pages 171-175			

MOULDED IN CABLE

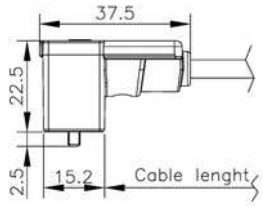
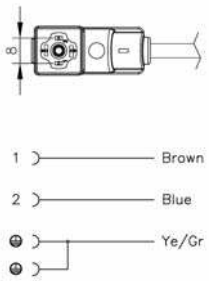
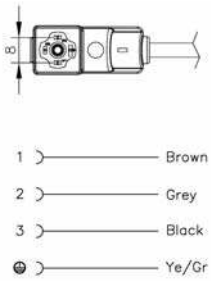
	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	B	B	B	B
	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
	2 + PE	2 + PE	2 + PE	2 + PE
	PUR / PVC	PUR / PVC	PUR / PVC	PUR / PVC
	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC	3 G 0,75 mm² PVC
	3 m	3 m	3 m	3 m
	ME636V55PP12300	**ME635V55PP12300**	**ME636V56PP12300**	**ME635V56PP12300**
	order no. **ME636V55PP12500**	order no. **ME635V55PP12500**	order no. **ME636V56PP12500**	order no. **ME635V56PP12500**
	black	black	black	black
	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green
	6,7 mm	6,7 mm	6,7 mm	6,7 mm
	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
	-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C
				
	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	115 V AC/DC	115 V AC/DC	230 V AC/DC	230 V AC/DC
	5 A	5 A	5 A	5 A
	VDR 130 Vrms 4,5 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm
	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	TPU	TPU	TPU	TPU
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
	3	3	3	3
	V0	V0	V0	V0
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	ME636V55PP12300	**ME635V55PP12300**	**ME636V56PP12300**	**ME635V56PP12300**
	ME636V55PP12500	**ME635V55PP12500**	**ME636V56PP12500**	**ME635V56PP12500**
	13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
	(P113)	(P113)	(P113)	(P113)

Form B - EN 175301-803 (DIN43650) / ISO 6952

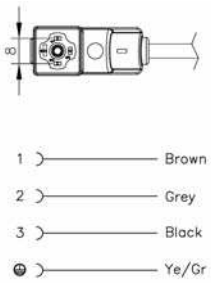
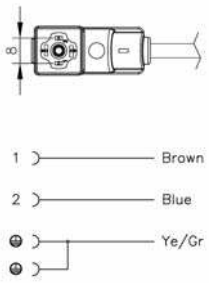
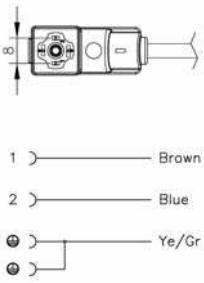
Valve Connectors **MC1** series

MOULDED IN CABLE

Form C - EN 175301-803 (DIN43650)

Product description			
Standard		EN175301-803	EN175301-803
Construction type		C	C
Description	Integrated gasket (TPU) and central fixing screw	P8 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	P8 connector with moulded cable (PE) earth position H6 (next to cable outlet)
Number of contacts		2 + PE / PE bridged	3 + PE
Cable type		H03VV-F VDE 0281-5 PVC	H03VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,5 mm² PVC	4 G 0,5 mm² PVC
Cable length		3 m	3 m
Order no.		**MC134000PA01300**	**MC146000PA01300**
Other standard options	cable length 1m,	order no. **MC134000PA01100**	
	cable length 5m,	order no. **MC134000PA01500**	
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - black - grey - yellow/green
Cable diameter +/-5%		5,5 mm	6,1 mm
Cable temperature range	static application	-15°C to + 70°C	-15°C to + 70°C
	flexible application		
Drawing			
			
Technical data			
Pin dimension		3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		3 A	3 A
Suppressor			
LED colour			
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M2,5 x 23mm	central screw M2,5 x 23mm
Fixing screw torque		0,3 - 0,4 N/m	0,3 - 0,4 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pcs.	100 pcs.
Number of boxes suitable :	1 box	**MC134000PA01100**	
	2 boxes	**MC134000PA01300**	**MC146000PA01300**
	4 boxes	**MC134000PA01500**	
Approximate weight per box		13....15 Kg	13....15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012)	
Technical specifications on cables and accessories see pages 171-175			

MOULDED IN CABLE

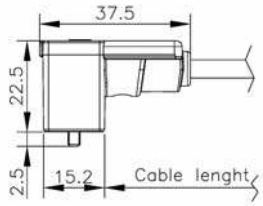
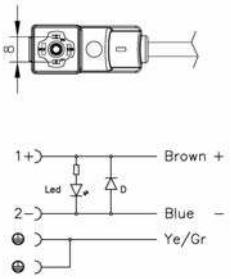
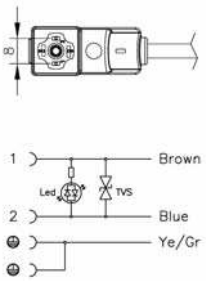
EN175301-803	EN175301-803	EN175301-803	
C	C	C	
P8 connector with moulded cable (PE) earth position H12 (opposite from cable outlet)	P8 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	P8 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	
3 + PE	2 + PE / PE bridged	2 + PE / PE bridged	
H03VV-F VDE 0281-5 PVC	PUR / PVC	CEI 2022 II O.R. PVC	
4 G 0,5 mm² PVC	3 G 0,5 mm² PVC	3 G 0,5 mm² PVC	
3 m	3 m	3 m	
MC145000PA01300	**MC134000PP11300**	**MC134000PC03300**	
	order no. **MC134000PP11500**	order no. **MC134000PC03500**	
black	black	grey RAL 7032	
brown - black - grey - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	
6,1 mm	5,5 mm	5,5 mm	
-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	
	-25°C to + 80°C		
			
3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm	
250 V AC/DC	250 V AC/DC	250 V AC/DC	
3 A	3 A	3 A	
15mΩ max.	15mΩ max.	15mΩ max.	
III	III	III	
central screw M2,5 x 23mm	central screw M2,5 x 23mm	central screw M2,5 x 23mm	
0,3 - 0,4 N/m	0,3 - 0,4 N/m	0,3 - 0,4 N/m	
PA6 GF	PA6 GF	PA6 GF	
TPU	TPU	TPU	
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	
3	3	3	
V0	V0	V0	
HB	HB	HB	
100 pcs.	100 pcs.	100 pcs.	
MC145000PA01300	**MC134000PP11300**	**MC134000PC03300**	
	MC134000PP11500	**MC134000PC03500**	
13....15 Kg	13....15 Kg	13....15 Kg	
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	
	(P112)	(C032)	

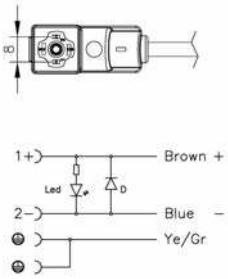
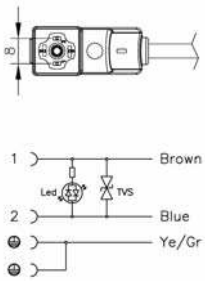
Form C - EN 175301-803 (DIN43650)

Valve Connectors **MC6** series

MOULDED IN CABLE

Form C - EN 175301-803 (DIN43650)

Product description			
Standard		EN175301-803	EN175301-803
Construction type		C	C
Description	Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P8 connector with moulded cable function indicator (LED) protective circuit (diode)	P8 connector with moulded cable function indicator (LED) TVS protective circuit (transil)
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		H03VV-F VDE 0281-5 PVC	H03VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,5 mm² PVC	3 G 0,5 mm² PVC
Cable length		3 m	3 m
Order no.		**MC634D54TA01300**	**MC634T54TA01300**
Other standard options	cable length 5m,	order no. **MC634D54TA01500**	order no. **MC634T54TA01500**
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		5,5 mm	5,5 mm
Cable temperature range	static application	-15°C to + 70°C	-15°C to + 70°C
	flexible application		
Drawing				
Technical data			
Pin dimension		3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm
Voltage		24 V DC	24 V AC/DC
Rated current max.		3 A	3 A
Suppressor		diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M2,5 x 23	central screw M2,5 x 23
Fixing screw torque		0,3 - 0,4 N/m	0,3 - 0,4 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**MC634D54TA01300**	**MC634T54TA01300**
	4 boxes	**MC634D54TA01500**	**MC634T54TA01500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012) (C033; C032)	(A012) (C033; C032)
Technical specifications on cables and accessories see pages 171-175			

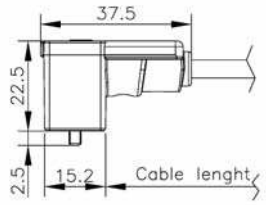
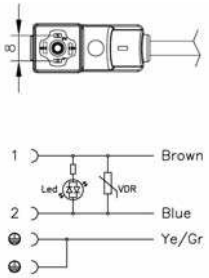
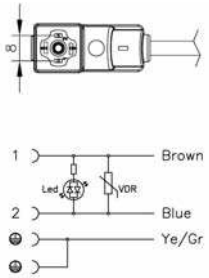
	EN175301-803	EN175301-803		
	C	C		
	P8 connector with moulded cable function indicator (LED) protective circuit (diode)	P8 connector with moulded cable function indicator (LED) TVS protective circuit (transil)		
	2 + PE / PE bridged	2 + PE / PE bridged		
	PUR / PVC	PUR / PVC		
	3 G 0,5 mm² PVC	3 G 0,5 mm² PVC		
	3 m	3 m		
	MC634D54TP11300	**MC634T54TP11300**		
	order no. **MC634D54TP11500**	order no. **MC634T54TP11500**		
	black	black		
	brown - blue - yellow/green	brown - blue - yellow/green		
	5,5 mm	5,5 mm		
	-40°C to + 80°C	-40°C to + 80°C		
	-25°C to + 80°C	-25°C to + 80°C		
				
	3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm		
	24 V DC	24 V AC/DC		
	3 A	3 A		
	diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W		
	yellow	yellow		
	15mΩ max.	15mΩ max.		
	III	III		
	central screw M2,5 x 23	central screw M2,5 x 23		
	0,3 - 0,4 N/m	0,3 - 0,4 N/m		
	PA6 GF	PA6 GF		
	TPU	TPU		
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
	3	3		
	V0	V0		
	HB	HB		
	100 pieces	100 pieces		
	MC634D54TP11300	**MC634T54TP11300**		
	MC634D54TP11500	**MC634T54TP11500**		
	13...15 Kg	13...15 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
	(P112)	(P112)		

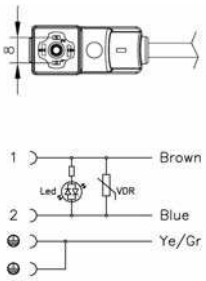
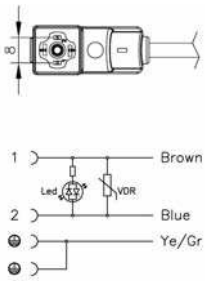
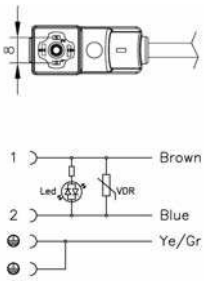
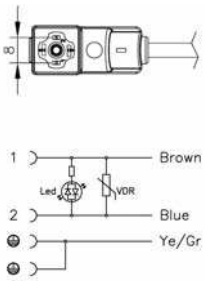
Form C - EN 175301-803 (DIN43650)

Valve Connectors **MC6** series

MOULDED IN CABLE

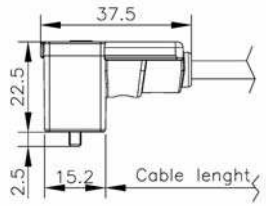
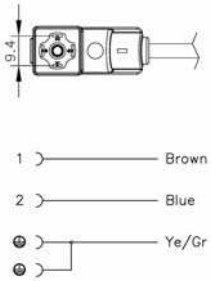
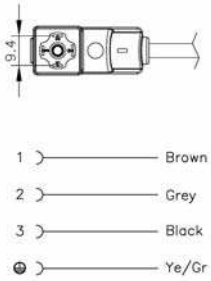
Form C - EN 175301-803 (DIN43650)

Product description			
Standard		EN175301-803	EN175301-803
Construction type		C	C
Description	Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		H03VV-F VDE 0281-5 PVC	H03VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,5 mm² PVC	3 G 0,5 mm² PVC
Cable length		3 m	3 m
Order no.		**MC634V54TA01300**	**MC634V55TA01300**
Other standard options	cable length 5m,	order no. **MC634V54TA01500**	order no. **MC634V55TA01500**
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		5,5 mm	5,5 mm
Cable temperature range	static application	-15°C to + 70°C	-15°C to + 70°C
	flexible application		
Drawing				
Technical data			
Pin dimension		3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm
Voltage		24 V AC/DC	115 V AC/DC
Rated current max.		3 A	3 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M2,5 x 23	central screw M2,5 x 23
Fixing screw torque		0,3 - 0,4 N/m	0,3 - 0,4 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**MC634V54TA01300**	**MC634V55TA01300**
	4 boxes	**MC634V55TA01500**	**MC634V55TA01500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012) (C033; C032)	(A012) (C033; C032)
Technical specifications on cables and accessories see pages 171-175			

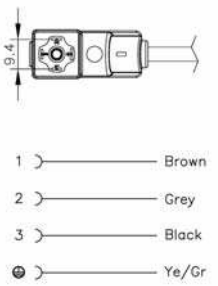
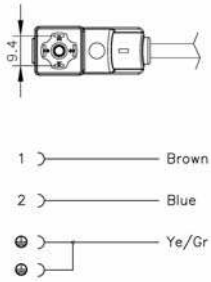
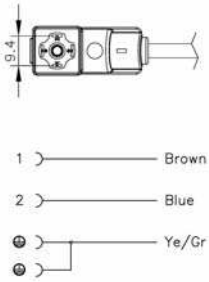
	EN175301-803	EN175301-803	EN175301-803	EN175301-803
	C	C	C	C
	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)
	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged
	H03VV-F VDE 0281-5 PVC	PUR / PVC	PUR / PVC	PUR / PVC
	3 G 0,5 mm² PVC	3 G 0,5 mm² PVC	3 G 0,5 mm² PVC	3 G 0,5 mm² PVC
	3 m	3 m	3 m	3 m
	MC634V56TA01300	**MC634V54TP11300**	**MC634V55TP11300**	**MC634V56TP11300**
	order no. **MC634V56TA01500**	order no. **MC634V54TP11500**	order no. **MC634V55TP11500**	order no. **MC634V56TP11500**
	black	black	black	black
	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green
	5,5 mm	5,5 mm	5,5 mm	5,5 mm
	-15°C to + 70°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
		-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C
				
	3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm
	230 V AC/DC	24 V AC/DC	115 V AC/DC	230 V AC/DC
	3 A	3 A	3 A	3 A
	VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	central screw M2,5 x 23	central screw M2,5 x 23	central screw M2,5 x 23	central screw M2,5 x 23
	0,3 - 0,4 N/m	0,3 - 0,4 N/m	0,3 - 0,4 N/m	0,3 - 0,4 N/m
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	TPU	TPU	TPU	TPU
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
	3	3	3	3
	V0	V0	V0	V0
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	MC634V56TA01300	**MC634V54TP11300**	**MC634V55TP11300**	**MC634V56TP11300**
	MC634V56TA01500	**MC634V54TP11500**	**MC634V55TP11500**	**MC634V56TP11500**
	13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
	(A012) (C033; C032)	(P112)	(P112)	(P112)

Form C - EN 175301-803 (DIN43650)

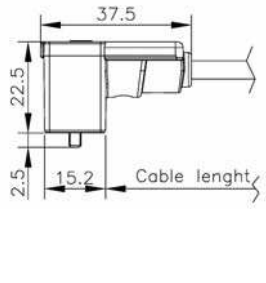
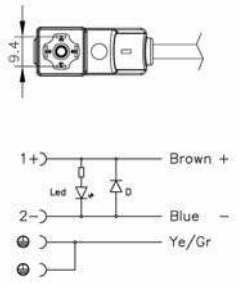
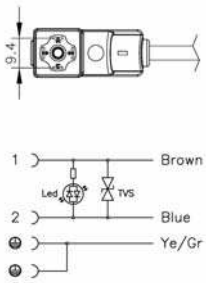
Form C - INDUSTRIAL

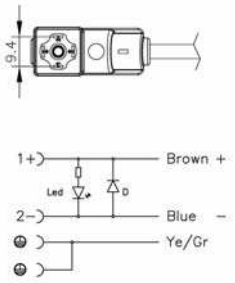
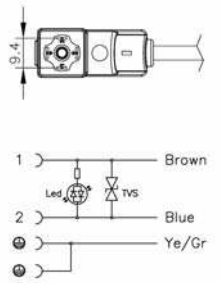
Product description			
Standard		Industrial standard (9,4 mm)	Industrial standard (9,4 mm)
Construction type		C	C
Description	Integrated gasket (TPU) and central fixing screw	P9,4 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	P9,4 connector with moulded cable (PE) earth position H6 (next to cable outlet)
Number of contacts		2 + PE / PE bridged	3 + PE
Cable type		H03VV-F VDE 0281-5 PVC	H03VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,5 mm² PVC	4 G 0,5 mm² PVC
Cable length		3 m	3 m
Order no.		**MD134000PA01300**	**MD146000PA01300**
Other standard options	cable length 1m,	order no. **MD134000PA01100**	
	cable length 5m,	order no. **MD134000PA01500**	
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - black - grey - yellow/green
Cable diameter +/-5%		5,5 mm	6,1 mm
Cable temperature range	static application	-15°C to + 70°C	-15°C to + 70°C
	flexible application		
Drawing				
Technical data			
Pin dimension		3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm
Voltage		250 V AC/DC	250 V AC/DC
Rated current max.		3 A	3 A
Suppressor			
LED colour			
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 23	central screw M3 x 23
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pcs.	100 pcs.
Number of boxes suitable:	1 box	**MD134000PA01100**	
	2 boxes	**MD134000PA01300**	**MD146000PA01300**
	4 boxes	**MD134000PA01500**	
Approximate weight per box		13....15 Kg	13....15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012)	
Technical specifications on cables and accessories see pages 171-175			

MOULDED IN CABLE

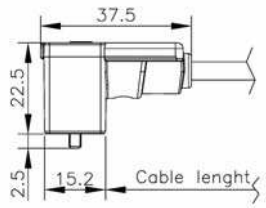
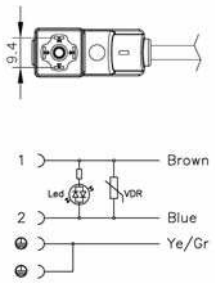
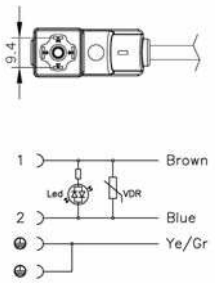
	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	
	C	C	C	
	P9,4 connector with moulded cable (PE) earth position H12 (opposite from cable outlet)	P9,4 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	P9,4 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	
	3 + PE	2 + PE / PE bridged	2 + PE / PE bridged	
	H03VV-F VDE 0281-5 PVC	PUR / PVC	CEI 2022 II O.R. PVC	
	4 G 0,5 mm² PVC	3 G 0,5 mm² PVC	3 G 0,5 mm² PVC	
	3 m	3 m	3 m	
	MD145000PA01300	**MD134000PP11300**	**MD134000PC03300**	
		order no. **MD134000PP11500**	order no. **MD134000PC03500**	
	black	black	grey RAL 7032	
	brown - black - grey - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	
	6,1 mm	5,0 mm	5,5 mm	
	-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	
		-25°C to + 80°C		
				
	3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm	
	250 V AC/DC	250 V AC/DC	250 V AC/DC	
	3 A	3 A	3 A	
	15mΩ max.	15mΩ max.	15mΩ max.	
	III	III	III	
	central screw M3 x 23	central screw M3 x 23	central screw M3 x 23	
	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	
	PA6 GF	PA6 GF	PA6 GF	
	TPU	TPU	TPU	
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	
	3	3	3	
	V0	V0	V0	
	HB	HB	HB	
	100 pcs.	100 pcs.	100 pcs.	
	MD145000PA01300	**MD134000PP11300**	**MD134000PC03300**	
		MD134000PP11500	**MD134000PC03500**	
	13....15 Kg	13....15 Kg	13....15 Kg	
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	
		(P112)	(C032)	

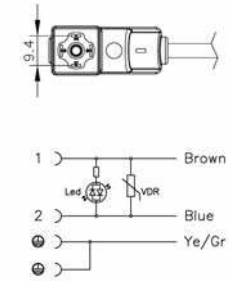
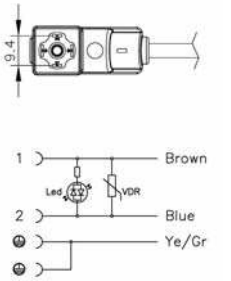
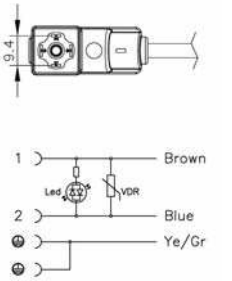
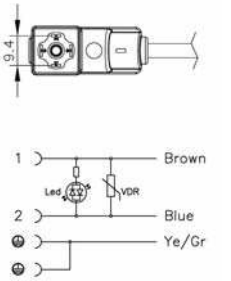
Form C - INDUSTRIAL

Product description			
Standard		Industrial standard (9,4 mm)	Industrial standard (9,4 mm)
Construction type		C	C
Description	Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P9,4 connector with moulded cable function indicator (LED) protective circuit (diode)	P9,4 connector with moulded cable function indicator (LED) TVS protective circuit (transil)
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		H03VV-F VDE 0281-5 PVC	H03VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,5 mm² PVC	3 G 0,5 mm² PVC
Cable length		3 m	3 m
Order no.		**MD634D54TA01300**	**MD634T54TA01300**
Other standard options	cable length 5m,	order no. **MD634D54TA01500**	order no. **MD634T54TA01500**
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		5,5 mm	5,5 mm
Cable temperature range	static application	-15°C to + 70°C	-15°C to + 70°C
	flexible application		
Drawing				
Technical data			
Pin dimension		3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm
Voltage		24 V DC	24 V AC/DC
Rated current max.		3 A	3 A
Suppressor		diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 23	central screw M3 x 23
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**MD634D54TA01300**	**MD634T54TA01300**
	4 boxes	**MD634D54TA01500**	**MD634T54TA01500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012) (C033; C032)	(A012) (C033; C032)
Technical specifications on cables and accessories see pages 171-175			

	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)		
	C	C		
	P9,4 connector with moulded cable function indicator (LED) protective circuit (diode)	P9,4 connector with moulded cable function indicator (LED) TVS protective circuit (transil)		
	2 + PE / PE bridged	2 + PE / PE bridged		
	PUR / PVC	PUR / PVC		
	3 G 0,5 mm² PVC	3 G 0,5 mm² PVC		
	3 m	3 m		
	MD634D54TP11300	**MD634T54TP11300**		
	order no. **MD634D54TP11500**	order no. **MD634T54TP11500**		
	black	black		
	brown - blue - yellow/green	brown - blue - yellow/green		
	5,0 mm	5,0 mm		
	-40°C to + 80°C	-40°C to + 80°C		
	-25°C to + 80°C	-25°C to + 80°C		
				
	3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm		
	24 V DC	24 V AC/DC		
	3 A	3 A		
	diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W		
	yellow	yellow		
	15mΩ max.	15mΩ max.		
	III	III		
	central screw M3 x 23	central screw M3 x 23		
	0,3 - 0,5 N/m	0,3 - 0,5 N/m		
	PA6 GF	PA6 GF		
	TPU	TPU		
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
	3	3		
	V0	V0		
	HB	HB		
	100 pieces	100 pieces		
	MD634D54TP11300	**MD634T54TP11300**		
	MD634D54TP11500	**MD634T54TP11500**		
	13...15 Kg	13...15 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
	(P112)	(P112)		

Form C - INDUSTRIAL

Product description			
Standard		Industrial standard (9,4 mm)	Industrial standard (9,4 mm)
Construction type		C	C
Description	Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor)	P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor)
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		H03VV-F VDE 0281-5 PVC	H03VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,5 mm² PVC	3 G 0,5 mm² PVC
Cable length		3 m	3 m
Order no.		**MD634V54TA01300**	**MD634V55TA01300**
Other standard options	cable length 5m,	order no. **MD634V54TA01500**	order no. **MD634V55TA01500**
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		5,5 mm	5,5 mm
Cable temperature range	static application	-15°C to + 70°C	-15°C to + 70°C
	flexible application		
Drawing				
Technical data			
Pin dimension		3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm
Voltage		24 V AC/DC	115 V AC/DC
Rated current max.		3 A	3 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 23	central screw M3 x 23
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Enviromental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**MD634V54TA01300**	**MD634V55TA01300**
	4 boxes	**MD634V54TA01500**	**MD634V55TA01500**
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012)	(A012)
Technical specifications on cables and accessories see pages 171-175			

	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)
	C	C	C	C
	P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor)	P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor)	P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor)	P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor)
	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged
	H03VV-F VDE 0281-5 PVC	PUR / PVC	PUR / PVC	PUR / PVC
	3 G 0,5 mm² PVC	3 G 0,5 mm² PVC	3 G 0,5 mm² PVC	3 G 0,5 mm² PVC
	3 m	3 m	3 m	3 m
	MD634V56TA01300	**MD634V54TP11300**	**MD634V55TP11300**	**MD634V56TP11300**
	order no. **MD634V56TA01500**	order no. **MD634V54TP11500**	order no. **MD634V55TP11500**	order no. **MD634V56TP11500**
	black	black	black	black
	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green
	5,0 mm	5,0 mm	5,0 mm	5,0 mm
	-15°C to + 70°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
		-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C
				
	3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm
	230 V AC/DC	24 V AC/DC	115 V AC/DC	230 V AC/DC
	3 A	3 A	3 A	3 A
	VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	central screw M3 x 23	central screw M3 x 23	central screw M3 x 23	central screw M3 x 23
	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	TPU	TPU	TPU	TPU
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
	3	3	3	3
	V0	V0	V0	V0
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	MD634V56TA01300	**MD634V54TP11300**	**MD634V55TP11300**	**MD634V56TP11300**
	MD634V56TA01500	**MD634V54TP11500**	**MD634V55TP11500**	**MD634V56TP11500**
	13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
	(A012)	(P112)	(P112)	(P112)

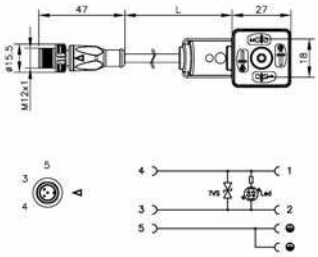
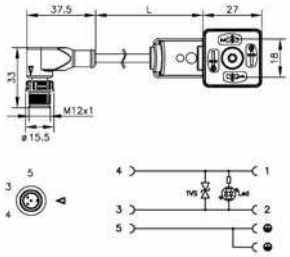
Form C - INDUSTRIAL

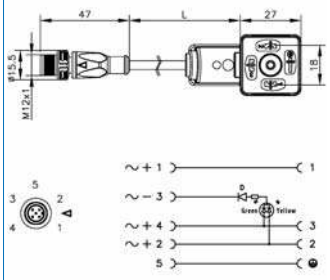
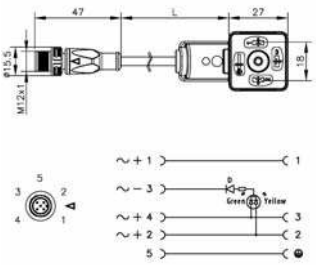
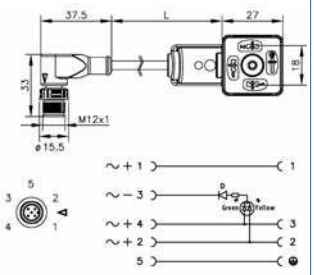
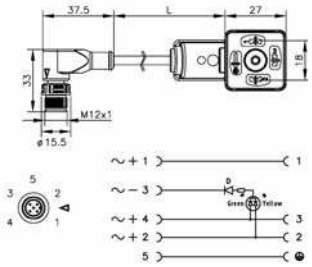
DESCRIPTION		PAG
SERIES: JA + M12 straight male		FORM A (contact spacing 18mm) Valve connector with circuits (black with transparent lens) with M12 straight male connector 106
SERIES: JA + M12 angled male		FORM A (contact spacing 18mm) Valve connector with circuits (black with transparent lens) with M12 angled male connector 107
SERIES: YA + M12 straight male		FORM A (contact spacing 18mm) Double valve connector with circuits (black with transparent lens) with M12 Y straight male connector 114
SERIES: JDA + M12 straight male		FORM A (contact spacing 18mm) Valve connector with circuits (transparent) with M12 straight male adaptor 119
SERIES: JB + M12 straight male		FORM B industrial (contact spacing 11mm) Valve connector with circuits (black with transparent lens) with M12 straight male connector 108
SERIES: JB + M12 angled male		FORM B industrial (contact spacing 11mm) Valve connector with circuits (black with transparent lens) with M12 angled male connector 109
SERIES: YB + M12 straight male		FORM B industrial (contact spacing 11mm) Double valve connector with circuits (black with transparent lens) with M12 Y straight male connector 115
SERIES: JDB + M12 straight male		FORM B industrial (contact spacing 11mm) Valve connector with circuits (transparent) with M12 straight male adaptor 120
SERIES: JE + M12 straight male		FORM B (contact spacing 10mm) Valve connector with circuits (black with transparent lens) with M12 straight male connector 110
SERIES: JE + M12 angled male		FORM B (contact spacing 10mm) Valve connector with circuits (black with transparent lens) with M12 angled male connector 111
SERIES: YE + M12 straight male		FORM B (contact spacing 10mm) Double valve connector with circuits (black with transparent lens) with M12 Y straight male connector 116
SERIES: JDE + M12 straight male		FORM B (contact spacing 10mm) Valve connector with circuits (transparent) with M12 straight male adaptor 121
SERIES: JC + M12 straight male		FORM C (contact spacing 8mm) Valve connector with circuits (transparent) with M12 straight male connector 112
SERIES: JC + M12 angled male		FORM C (contact spacing 8mm) Valve connector with circuits (transparent) with M12 angled male connector 112
SERIES: YC + M12 straight male		FORM C (contact spacing 8mm) Double valve connector with circuits (transparent) with M12 Y straight male connector 117
SERIES: JD + M12 straight male		FORM C industrial (contact spacing 9,4mm) Valve connector with circuits (transparent) with M12 straight male connector 113
SERIES: JD + M12 angled male		FORM C industrial (contact spacing 9,4mm) Valve connector with circuits (transparent) with M12 angled male connector 113
SERIES: YD + M12 straight male		FORM C industrial (contact spacing 9,4mm) Double valve connector with circuits (transparent) with M12 Y straight male connector 118

Jumper Connectors **JA** series

MOULDED IN CABLE + M12

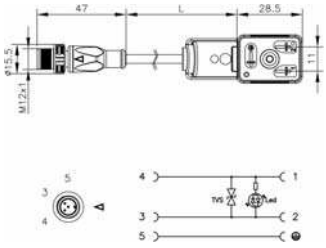
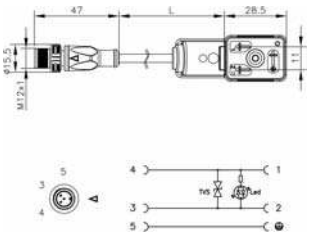
Form A - EN 175301-803 (DIN43650) / ISO 4400 + M12

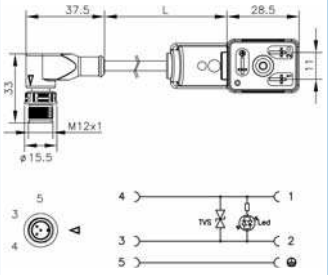
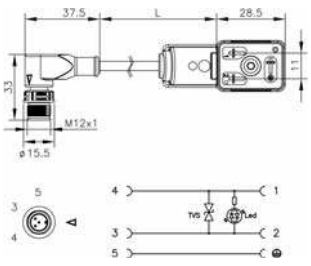
Product description				
Standard			IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803
Construction type			A	A
Description	M12 male and P18 valve connector with moulded cable integrated gasket and central fixing screw		(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)	(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)
Housing colour			black	black
Number of contacts			2 + PE / PE bridged	2 + PE / PE bridged
Cable type			PUR/PVC	PUR/PVC
Conductors specification			0,50 mm²	0,50 mm²
Cable length			1 m	1 m
Order no.			**JA634T54DP11100**	**JA634T54KP11100**
Other standard options	cable length 2m,		order no. **JA634T54DP11200**	order no. **JA634T54KP11200**
Cable jacket colour			black	black
Cable diameter +/-5%			5,5 mm	5,5 mm
Temperature range	static application		-40°C to + 80°C	-40°C to + 80°C
	flexible application		-25°C to + 80°C	-25°C to + 80°C
Drawing			 ▷ Code A	 ▷ Code A
Technical data				
Pin dimension	M12 ; valve connector		1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
Voltage			24 V AC/DC	24 V AC/DC
Rated current max.			4 A	4 A
Suppressor			TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W
LED colour			yellow	yellow
Contact resistance			15mΩ max.	15mΩ max.
Overvoltage category			III	III
Mounting	M12 ; valve connector		lock nut M12x1; central screw M3x28,5mm	lock nut M12x1; central screw M3x28,5mm
Fixing screw torque	M12 ; valve connector		0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m
Material				
Contact material	M12 ; valve connector		CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector		PA6T/ 61 GF blue; PA6 GF	PA6T/ 61 GF blue; PA6 GF
Overmoulding material			TPU	TPU
Coupling nut material			Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
Enviromental conditions				
Protection class (EN 60529)			IP67	IP67
Pollution severity (EN 60664-1)			3	3
Inflammability class				
Contact holder	M12 ; valve connector		UL; V0	UL; V0
Moulded housing			HB	HB
Packaging				
Minimum quantity			100 pieces	100 pieces
Number of boxes suitable:		1 box	**JA634T54DP11100**	**JA634T54KP11100**
		2 boxes	**JA634T54DP11200**	**JA634T54KP11200**
Approximate weight per box			10...15 Kg	10...15 Kg
Box dimension			39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes				
Technical specifications on cables and accessories see pages 171-175				

	IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803
	A	A	A	A
	(PE) earth in H12 position function indicator bi-color LED for pressure switch device	(PE) earth in H6 position function indicator bi-color LED for pressure switch device	(PE) earth in H12 position function indicator bi-color LED for pressure switch device	(PE) earth in H6 position function indicator bi-color LED for pressure switch device
	black	black	black	black
	3 + PE	3 + PE	3 + PE	3 + PE
	PUR/PVC	PUR/PVC	PUR/PVC	PUR/PVC
	0,25 mm²	0,25 mm²	0,25 mm²	0,25 mm²
	1 m	1 m	1 m	1 m
	JA655P3YDP25100	**JA656P3YDP25100**	**JA655P3YKP25100**	**JA656P3YKP25100**
	order no. **JA655P3YDP25200**	order no. **JA656P3YDP25200**	order no. **JA655P3YKP25200**	order no. **JA656P3YKP25200**
	black	black	black	black
	5,0 mm	5,0 mm	5,0 mm	5,0 mm
	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
	-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C
	 ▻ Code A	 ▻ Code A	 ▻ Code A	 ▻ Code A
	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC
	4 A	4 A	4 A	4 A
	yellow (pin 2) green (pin 3)	yellow (pin 2) green (pin 3)	yellow (pin 2) green (pin 3)	yellow (pin 2) green (pin 3)
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	lock nut M12x1; central screw M3x28,5mm	lock nut M12x1; central screw M3x28,5mm	lock nut M12x1; central screw M3x28,5mm	lock nut M12x1; central screw M3x28,5mm
	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m
	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated
	PA6T/ 61 GF blue; PA6 GF	PA6T/ 61 GF blue; PA6 GF	PA6T/ 61 GF blue; PA6 GF	PA6T/ 61 GF blue; PA6 GF
	TPU	TPU	TPU	TPU
	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
	IP67	IP67	IP67	IP67
	3	3	3	3
	UL; V0	UL; V0	UL; V0	UL; V0
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	JA655P3YDP25100	**JA656P3YDP25100**	**JA655P3YKP25100**	**JA656P3YKP25100**
	JA655P3YDP25200	**JA656P3YDP25200**	**JA655P3YKP25200**	**JA656P3YKP25200**
	10...15 Kg	10...15 Kg	10...15 Kg	10...15 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm

Form A - EN 175301-803 (DIN43650) / ISO 4400

Form B INDUSTRIAL + M12

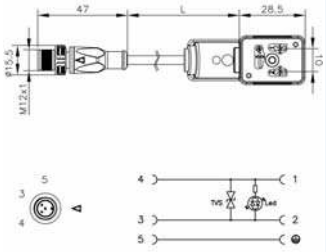
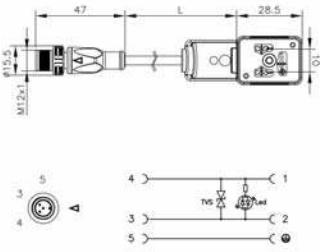
Product description			
Standard		IEC 61076-2-101 ; INDUSTRIAL 11mm	IEC 61076-2-101 ; INDUSTRIAL 11mm
Construction type		B	B
Description	M12 male and P11 valve connector with moulded cable integrated gasket and central fixing screw	(PE) earth in H6 function indicator (LED) TVS protective circuit (transil)	(PE) earth in H12 function indicator (LED) TVS protective circuit (transil)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		PUR/PVC	PUR/PVC
Conductors specification		0,50 mm²	0,50 mm²
Cable length		1 m	1 m
Order no.		**JB636T54DP11100**	**JB635T54DP11100**
Other standard options	cable length 2m,	order no. **JB636T54DP11200**	order no. **JB635T54DP11200**
Cable jacket colour		black	black
Cable diameter +/-5%		5,5 mm	5,5 mm
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing		 ▻ Code A	 ▻ Code A
Technical data			
Pin dimension	M12 ; valve connector	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		4 A	4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 28,5mm	lock nut M12 x 1; central screw M3 x 28,5mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m
Material			
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU	TPU
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
Enviromental conditions			
Protection class (EN 60529)		IP67	IP67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder	M12 ; valve connector	UL; V0	UL; V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	1 box	**JB636T54DP11100**	**JB635T54DP11100**
	2 boxes	**JB636T54DP11200**	**JB635T54DP11200**
Approximate weight per box		10...15 Kg	10...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

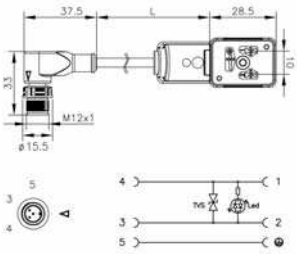
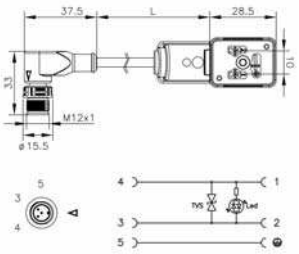
	IEC 61076-2-101 ; INDUSTRIAL 11mm	IEC 61076-2-101 ; INDUSTRIAL 11mm		
	B	B		
	(PE) earth in H6 function indicator (LED) TVS protective circuit (transil)	(PE) earth in H12 function indicator (LED) TVS protective circuit (transil)		
	black	black		
	2 + PE	2 + PE		
	PUR/PVC	PUR/PVC		
	0,50 mm²	0,50 mm²		
	1 m	1 m		
	JB636T54KP11100	**JB635T54KP11100**		
	order no. **JB636T54KP11200**	order no. **JB635T54KP11200**		
	black	black		
	5,5 mm	5,5 mm		
	-40°C to + 80°C	-40°C to + 80°C		
	-25°C to + 80°C	-25°C to + 80°C		
	 ▻ Code A	 ▻ Code A		
	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm		
	24 V AC/DC	24 V AC/DC		
	4 A	4 A		
	TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W		
	yellow	yellow		
	15mΩ max.	15mΩ max.		
	III	III		
	lock nut M12 x 1; central screw M3 x 28,5mm	lock nut M12 x 1; central screw M3 x 28,5mm		
	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m		
	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated		
	PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF		
	TPU	TPU		
	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1		
	IP67	IP67		
	3	3		
	UL; V0	UL; V0		
	HB	HB		
	100 pieces	100 pieces		
	JB636T54KP11100	**JB635T54KP11100**		
	JB636T54KP11200	**JB635T54KP11200**		
	10...15 Kg	10...15 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		

Jumper Connectors **JE** series

MOULDED IN CABLE

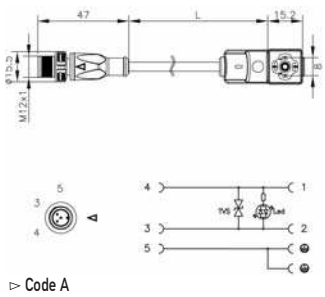
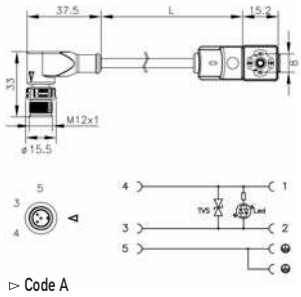
Form B - EN 175301-803 (DIN43650) / ISO 6952

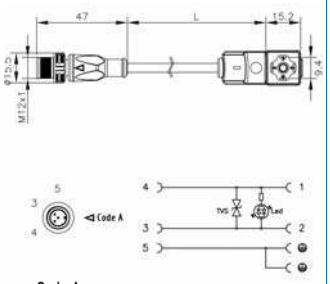
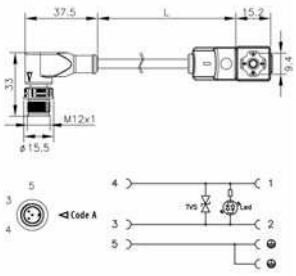
Product description			
Standard		IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803
Construction type		B	B
Description	M12 male and P10 valve connector with moulded cable integrated gasket and central fixing screw	(PE) earth in H6 function indicator (LED) TVS protective circuit (transil)	(PE) earth in H12 function indicator (LED) TVS protective circuit (transil)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		PUR/PVC	PUR/PVC
Conductors specification		0,50 mm²	0,50 mm²
Cable length		1 m	1 m
Order no.		**JE636T54DP11100**	**JE635T54DP11100**
Other standard options	cable length 2m,	order no. **JE636T54DP11200**	order no. **JE635T54DP11200**
Cable jacket colour		black	black
Cable diameter +/-5%		5,5 mm	5,5 mm
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing		 ▻ Code A	 ▻ Code A
Technical data			
Pin dimension	M12 ; valve connector	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		4 A	4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 28,5mm	lock nut M12 x 1; central screw M3 x 28,5mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m
Material			
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU	TPU
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
Enviromental conditions			
Protection class (EN 60529)		IP67	IP67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder	M12 ; valve connector	UL; V0	UL; V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	1 box	**JE636T54DP11100**	**JE635T54DP11100**
	2 boxes	**JE636T54DP11200**	**JE635T54DP11200**
Approximate weight per box		10...15 Kg	10...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

	IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803		
	B	B		
	(PE) earth in H6 function indicator (LED) TVS protective circuit (transil)	(PE) earth in H12 function indicator (LED) TVS protective circuit (transil)		
	black	black		
	2 + PE	2 + PE		
	PUR/PVC	PUR/PVC		
	0,50 mm²	0,50 mm²		
	1 m	1 m		
	JE636T54KP11100	**JE635T54KP11100**		
	order no. **JE636T54KP11200**	order no. **JE635T54KP11200**		
	black	black		
	5,5 mm	5,5 mm		
	-40°C to + 80°C	-40°C to + 80°C		
	-25°C to + 80°C	-25°C to + 80°C		
	 ▷ Code A	 ▷ Code A		
	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm		
	24 V AC/DC	24 V AC/DC		
	4 A	4 A		
	TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W		
	yellow	yellow		
	15mΩ max.	15mΩ max.		
	III	III		
	lock nut M12 x 1; central screw M3 x 28,5mm	lock nut M12 x 1; central screw M3 x 28,5mm		
	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m		
	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated		
	PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF		
	TPU	TPU		
	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1		
	IP67	IP67		
	3	3		
	UL; V0	UL; V0		
	HB	HB		
	100 pieces	100 pieces		
	JE636T54KP11100	**JE635T54KP11100**		
	JE636T54KP11200	**JE635T54KP11200**		
	10...15 Kg	10...15 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		

Form B - EN 175301-803 (DIN43650) / ISO 6952

Form C - EN 175301-803 (DIN43650) + M12

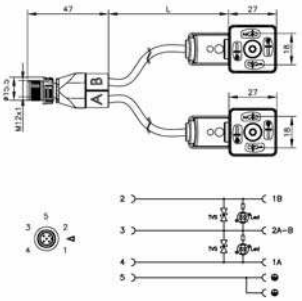
Product description			
Standard		IEC 61076-2-101; EN175301-803	IEC 61076-2-101; EN175301-803
Construction type		C	C
Description	M12 male and P8 valve connector with moulded cable integrated gasket and central fixing screw	(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)	(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)
Housing colour		M12=black ; P8=transparent	M12=black ; P8=transparent
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		PUR/PVC	PUR/PVC
Conductors specification		0,50 mm²	0,50 mm²
Cable length		1 m	1 m
Order no.		**JC634T54DP11100**	**JC634T54KP11100**
Other standard options	cable length 2m,	order no. **JC634T54DP11200**	order no. **JC634T54KP11200**
Cable jacket colour		black	black
Cable diameter +/-5%		5,5 mm	5,5 mm
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing		 ▷ Code A	 ▷ Code A
Technical data			
Pin dimension	M12 ; valve connector	1 mm; 3,6 x 0,8mm / 2,8 x 0,8mm	1 mm; 3,6 x 0,8mm / 2,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		4 A	4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M2,5 x 23mm	lock nut M12 x 1; central screw M2,5 x 23mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,4 N/m	0,5 - 0,8 N/m; 0,3 - 0,4 N/m
Material			
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU	TPU
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
Enviromental conditions			
Protection class (EN 60529)		IP67	IP67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder	M12 ; valve connector	UL; V0	UL; V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	1 box	**JC634T54DP11100**	**JC634T54KP11100**
	2 boxes	**JC634T54DP11200**	**JC634T54KP11200**
Approximate weight per box		10...15 Kg	10...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

Product description			
Standard		IEC 61076-2-101; INDUSTRIAL (9,4mm)	IEC 61076-2-101; INDUSTRIAL (9,4mm)
Construction type		C	C
Description	M12 male and P9,4 valve connector with moulded cable integrated gasket and central fixing screw	(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)	(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)
Housing colour		M12=black ; P9,4=transparent	M12=black ; P9,4=transparent
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		PUR/PVC	PUR/PVC
Conductors specification		0,50 mm²	0,50 mm²
Cable length		1 m	1 m
Order no.		**JD634T54DP11100**	**JD634T54KP11100**
Other standard options	cable length 2m,	order no. **JD634T54DP11200**	order no. **JD634T54KP11200**
Cable jacket colour		black	black
Cable diameter +/-5%		5,5 mm	5,5 mm
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing		 ▷ Code A	 ▷ Code A
Technical data			
Pin dimension	M12 ; valve connector	1 mm; 3,6 x 0,5mm / 2,8 x 0,5mm	1 mm; 3,6 x 0,5mm / 2,8 x 0,5mm
Rated voltage		24 V AC/DC	24 V AC/DC
Rated current max.		4 A	4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 23mm	lock nut M12 x 1; central screw M3 x 23mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,5 N/m	0,5 - 0,8 N/m; 0,3 - 0,5 N/m
Material			
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU	TPU
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
Enviromental conditions			
Protection class (EN 60529)		IP67	IP67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder	M12 ; valve connector	UL; V0	UL; V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	1 box	**JD634T54DP11100**	**JD634T54KP11100**
	2 boxes	**JD634T54DP11200**	**JD634T54KP11200**
Approximate weight per box		10...15 Kg	10...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

Jumper Connectors **YA** series

MOULDED IN CABLE + M12 Y DISTRIBUTOR

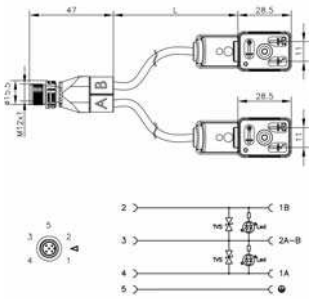
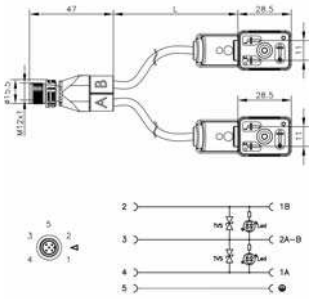
Form A - EN 175301-803 (DIN43650) ISO 4400+M12Y Distributor

Product description		
Standard		IEC 61076-2-101 ; EN175301-803
Construction type		A
Description	M12 Y male distributor and P18 valve connector with moulded cable, integrated gasket and central fixing screw	(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)
Housing colour		black
Number of contacts		2 + PE / PE bridged
Cable type		PUR/PVC
Conductors specification		0,50 mm²
Cable length		1 m
Order no.		**YA634T54DP11100**
Other standard options	cable length 2m,	order no. **YA634T54DP11200**
Cable jacket colour		black
Cable diameter +/-5%		5,5 mm
Temperature range	static application	-40°C to + 80°C
	flexible application	-25°C to + 80°C
Drawing		 ▻ Code A
Technical data		
Pin dimension	M12 ; valve connector	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
Voltage		24 V AC/DC
Rated current max.		4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W
LED colour		yellow
Contact resistance		15mΩ max.
Overvoltage category		III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 28,5mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,5 N/m
Material		
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU
Coupling nut material		Zamak 15 / ZnA14Cu1
Enviromental conditions		
Protection class (EN 60529)		IP67
Pollution severity (EN 60664-1)		3
Inflammability class		
Contact holder	M12 ; valve connector	UL; V0
Moulded housing		HB
Packaging		
Minimum quantity		100 pieces
Number of boxes suitable :	1 box	**YA634T54DP11100**
	2 boxes	**YA634T54DP11200**
Approximate weight per box		10...15 Kg
Box dimension		39 x 39 x 19,5 cm
Notes		
Technical specifications on cables and accessories see pages 171-175		

Jumper connectors **YB** series

MOULDED IN CABLE + M12 Y DISTRIBUTOR

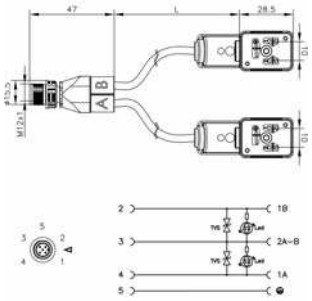
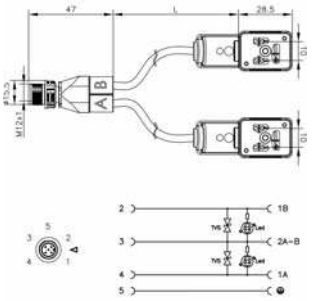
Form B - INDUSTRIAL + M12Y Distributor

Product description			
Standard		IEC 61076-2-101 ; INDUSTRIAL 11mm	IEC 61076-2-101 ; INDUSTRIAL 11mm
Construction type		B	B
Description	M12 Y male distributor and P11 valve connector with moulded cable, integrated gasket and central fixing screw	(PE) earth in H6 function indicator (LED) TVS protective circuit (transil)	(PE) earth in H12 function indicator (LED) TVS protective circuit (transil)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		PUR/PVC	PUR/PVC
Conductors specification		0,50 mm²	0,50 mm²
Cable length		1 m	1 m
Order no.		**YB636T54DP11100**	**YB635T54DP11100**
Other standard options	cable length 2m,	order no. **YB636T54DP11200**	order no. **YB635T54DP11200**
Cable jacket colour		black	black
Cable diameter +/-5%		5,5 mm	5,5 mm
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing		 ▻ Code A	 ▻ Code A
Technical data			
Pin dimension	M12 ; valve connector	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		4 A	4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 28,5mm	lock nut M12 x 1; central screw M3 x 28,5mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,5 N/m	0,5 - 0,8 N/m; 0,3 - 0,5 N/m
Material			
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU	TPU
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
Enviromental conditions			
Protection class (EN 60529)		IP67	IP67
Pollution severity (EN 60664-1)		3	3
Inflammability class	M12 ; valve connector	UL; V0	UL; V0
Contact holder		HB	HB
Moulded housing			
Packaging			
Minimum quantity		100 pieces 1 box	100 pieces 1 box
Number of boxes suitable :	1 box	**YB636T54DP11100**	**YB635T54DP11100**
	2 boxes	**YB636T54DP11200**	**YB635T54DP11200**
Approximate weight per box		10...15 Kg	10...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

Jumper Connectors **YE** series

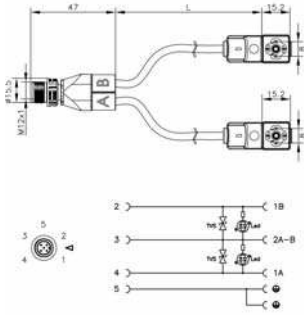
MOULDED IN CABLE + M12 Y DISTRIBUTOR

Form B - EN 175301-803 (DIN43650) / ISO 6952 + M12 Y Distributor

Product description			
Standard		IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803
Construction type		B	B
Description	M12 Y male distributor and P10 valve connector with moulded cable, integrated gasket and central fixing screw	(PE) earth in H6 function indicator (LED) TVS protective circuit (transil)	(PE) earth in H12 function indicator (LED) TVS protective circuit (transil)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		PUR/PVC	PUR/PVC
Conductors specification		0,50 mm²	0,50 mm²
Cable length		1 m	1 m
Order no.		**YE636T54DP11100**	**YE635T54DP11100**
Other standard options	cable length 2m,	order no. **YE636T54DP11200**	order no. **YE635T54DP11200**
Cable jacket colour		black	black
Cable diameter +/-5%		5,5 mm	5,5 mm
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing		 ▷ Code A	 ▷ Code A
Technical data			
Pin dimension	M12 ; valve connector	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		4 A	4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 28,5mm	lock nut M12 x 1; central screw M3 x 28,5mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,5 N/m	0,5 - 0,8 N/m; 0,3 - 0,5 N/m
Material			
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T / 61 GF blue; PA6 GF	PA6T / 61 GF blue; PA6 GF
Overmoulding material		TPU	TPU
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
Enviromental conditions			
Protection class (EN 60529)		IP67	IP67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder	M12 ; valve connector	UL; V0	UL; V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	1 box	**YE636T54DP11100**	**YE635T54DP11100**
	2 boxes	**YE636T54DP11200**	**YE635T54DP11200**
Approximate weight per box		10...15 Kg	10...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

Jumper connectors **YC** series

MOULDED IN CABLE + M12 Y DISTRIBUTOR

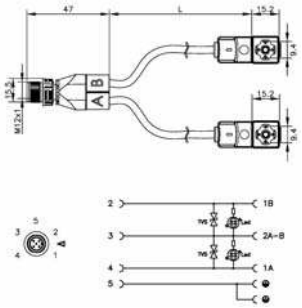
Product description		
Standard		IEC 61076-2-101 ; EN175301-803
Construction type		C
Description	M12 Y male distributor and P8 valve connector with moulded cable, integrated gasket and central fixing screw	(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)
Housing colour		M12 = black ; P8 = transparent
Number of contacts		2 + PE / PE bridged
Cable type		PUR/PVC
Conductors specification		0,50 mm²
Cable length		1 m
Order no.		**YC634T54DP11100**
Other standard options	cable length 2m,	order no. **YC634T54DP11200**
Cable jacket colour		black
Cable diameter +/-5%		5,5 mm
Temperature range	static application	-40°C to + 80°C
	flexible application	-25°C to + 80°C
Drawing		 ▻ Code A
Technical data		
Pin dimension	M12 ; valve connector	1 mm ; 3,6 x 0,8mm / 2,8 x 0,8mm
Voltage		24 V AC/DC
Rated current max.		4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W
LED colour		yellow
Contact resistance		15mΩ max.
Overvoltage category		III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M2,5 x 23mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,4 N/m
Material		
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU
Coupling nut material		Zamak 15 / ZnA14Cu1
Enviromental conditions		
Protection class (EN 60529)		IP67
Pollution severity (EN 60664-1)		3
Inflammability class		
Contact holder	M12 ; valve connector	UL; V0
Moulded housing		HB
Packaging		
Minimum quantity		100 pieces
Number of boxes suitable:	1 box	**YC634T54DP11100**
	2 boxes	**YC634T54DP11200**
Approximate weight per box		10...15 Kg
Box dimension		39 x 39 x 19,5 cm
Notes		
Technical specifications on cables and accessories see pages 171-175		

Form C - EN 175301 + M12 Y Distributor

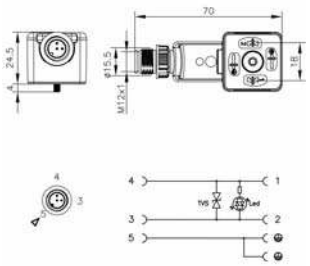
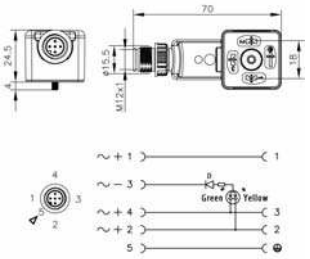
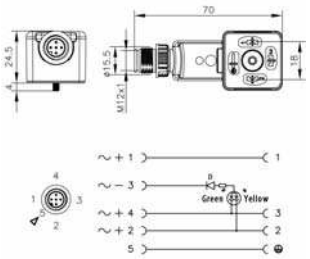
Jumper connectors **YD** series

MOULDED IN CABLE

Form C INDUSTRIAL + M12 Y Distributor

Product description				
Standard		IEC 61076-2-101; INDUSTRIAL (9,4mm)		
Construction type		C		
Description		M12 Y straight male distributor and P9,4 valve connector with moulded cable, integrated gasket and central fixing screw (PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)		
Housing colour		M12= black ; P9,4 = transparent		
Number of contacts		2 + PE / PE bridged		
Cable type		PUR/PVC		
Conductors specification		0,50 mm²		
Cable length		1 m		
Order no.		**YD634T54DP11100**		
Other standard options	cable length 2m,	order no. **YD634T54DP11200**		
Cable jacket colour		black		
Cable diameter +/-5%		5,5 mm		
Temperature range	static application	-40°C to + 80°C		
	flexible application	-25°C to + 80°C		
Drawing		 ▷ Code A		
Technical data				
Pin dimension	M12 ; valve connector	1 mm; 3,6 x 0,5mm / 2,8 x 0,5mm		
Voltage		24 V AC/DC		
Rated current max.		4 A		
Suppressor		TVS Vbr max.=37,8V Peak =400W		
LED colour		yellow		
Contact resistance		15mΩ max.		
Overvoltage category		III		
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 23mm		
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,5 N/m		
Material				
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated		
Contact holder material	M12 ; valve connector	PA6T / 61 GF blue; PA6 GF		
Overmoulding material		TPU		
Coupling nut material		Zamak 15 / ZnA14Cu1		
Enviromental conditions				
Protection class (EN 60529)		IP67		
Pollution severity (EN 60664-1)		3		
Inflammability class				
Contact holder	M12 ; valve connector	UL; V0		
Moulded housing		HB		
Packaging				
Minimum quantity		100 pieces		
Number of boxes suitable:	1 box	**YD634T54DP11100**		
	2 boxes	**YD634T54DP11200**		
Approximate weight per box		10...15 Kg		
Box dimension		39 x 39 x 19,5 cm		
Notes				
Technical specifications on cables and accessories see pages 171-175				

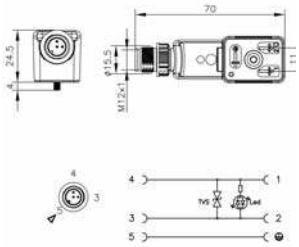
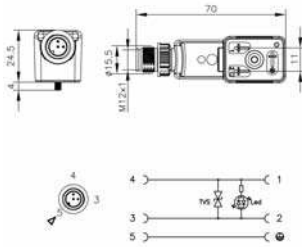
MOULDED IN CABLE

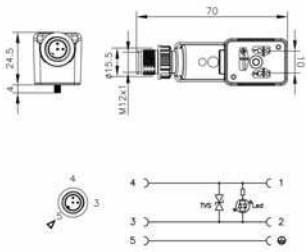
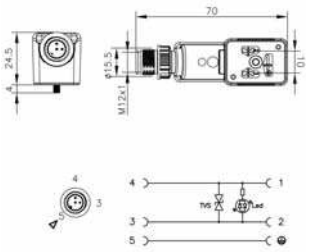
IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803	
A	A	A	
Adaptor M12 straight male to P18 valve connector integrated gasket and central fixing screw (PE) earth in H6 and H12 position (bridged) function indicator (LED) and TVS protective circuit (transil)	Adaptor M12 straight male to P18 valve connector integrated gasket and central fixing screw (PE) earth in H12 position function indicator bi-color LED for pressure switch device	Adaptor M12 straight male to P18 valve connector integrated gasket and central fixing screw (PE) earth in H6 position function indicator bi-color LED for pressure switch device	
transparent	transparent	transparent	
2 + PE / PE bridged	3 + PE	3 + PE	
JDA34T54M12	**JDA55P3YM12**	**JDA56P3YM12**	
-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	
 ▻ Code A	 ▻ Code A	 ▻ Code A	
1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	
24 V AC/DC	24 V AC/DC	24 V AC/DC	
4 A	4 A	4 A	
TVS Vbr max.=37,8V Peak =400W			
yellow	yellow (pin 2) green (pin 3)	yellow (pin 2) green (pin 3)	
15mΩ max.	15mΩ max.	15mΩ max.	
III	III	III	
lock nut M12 x 1; central screw M3 x 25mm	lock nut M12 x 1; central screw M3 x 25mm	lock nut M12 x 1; central screw M3 x 25mm	
0,5 - 0,8 N/m; 0,3 - 0,5 N/m	0,5 - 0,8 N/m; 0,3 - 0,5 N/m	0,5 - 0,8 N/m; 0,3 - 0,5 N/m	
CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated	
PA6T / 61 GF blue; PA6 GF	PA6T / 61 GF blue; PA6 GF	PA6T / 61 GF blue; PA6 GF	
TPU	TPU	TPU	
Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	
IP67	IP67	IP67	
3	3	3	
UL; V0	UL; V0	UL; V0	
HB	HB	HB	
100 pieces	100 pieces	100 pieces	
JDA34T54M12	**JDA55P3YM12**	**JDA56P3YM12**	
3...4 Kg	3...4 Kg	3...4 Kg	
29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	

Form A - EN 175301-803 (DIN43650) / ISO 4400 + M12

Adaptors **JDB** series

MOULDED IN CABLE + M12 Y DISTRIBUTOR

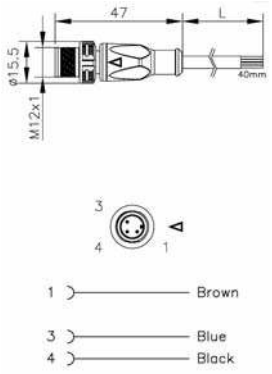
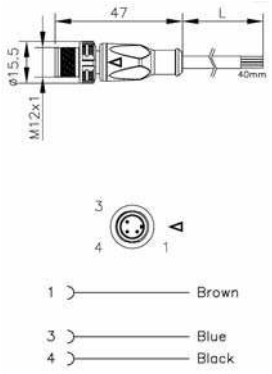
Product description			
Standard		IEC 61076-2-101 ; INDUSTRIAL 11mm	IEC 61076-2-101 ; INDUSTRIAL 11mm
Construction type		B	B
Description		Adaptor M12 male to P11 valve connector integrated gasket and central fixing screw (PE) earth in H6 function indicator (LED) TVS protective circuit (transil)	Adaptor M12 male to P11 valve connector integrated gasket and central fixing screw (PE) earth in H12 function indicator (LED) TVS protective circuit (transil)
Housing colour		transparent	transparent
Number of contacts		2 + PE	2 + PE
Cable type			
Conductors specification			
Cable length			
Order no.		**JDB36T54M12**	**JDB35T54M12**
Other standard options			
Cable jacket colour			
Cable diameter +/-5%			
Temperature range	static application		
	flexible application		
Drawing		 ▷ Code A	 ▷ Code A
Technical data			
Pin dimension	M12 ; valve connector	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		4 A	4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 25mm	lock nut M12 x 1; central screw M3 x 25mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,5 N/m	0,5 - 0,8 N/m; 0,3 - 0,5 N/m
Material			
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU	TPU
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
Enviromental conditions			
Protection class (EN 60529)		IP67	IP67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder	M12 ; valve connector	UL; V0	UL; V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	1 box	**JDB36T54M12**	**JDB35T54M12**
Approximate weight per box		3...4 Kg	3...4 Kg
Box dimension		29 x 15 x 18 cm	29 x 15 x 18 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

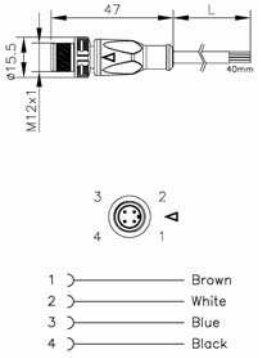
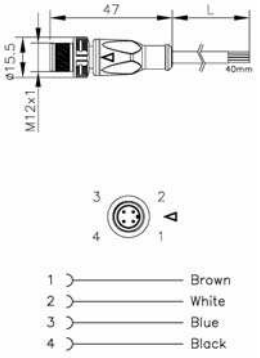
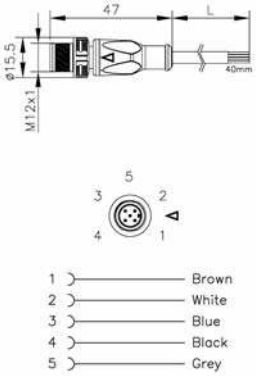
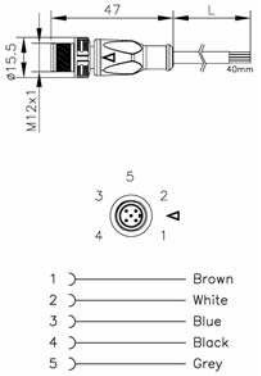
	IEC 61076-2-101; EN175301-803	IEC 61076-2-101; EN175301-803		
	B	B		
	Adaptor M12 straight male to P10 connector integrated gasket and central fixing screw fixing screw (PE) earth in H6 function indicator (LED) TVS protective circuit (transil)	Adaptor M12 straight male to P10 connector integrated gasket and central fixing screw fixing screw (PE) earth in H12 function indicator (LED) TVS protective circuit (transil)		
	transparent	transparent		
	2 + PE	2 + PE		
	JDE36T54M12	**JDE35T54M12**		
	 ▷ Code A	 ▷ Code A		
	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm		
	24 V AC/DC	24 V AC/DC		
	4 A	4 A		
	TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W		
	yellow	yellow		
	15mΩ max.	15mΩ max.		
	III	III		
	lock nut M12 x 1; central screw M3 x 25mm	lock nut M12 x 1; central screw M3 x 25mm		
	0,5 - 0,8 N/m; 0,3 - 0,5 N/m	0,5 - 0,8 N/m; 0,3 - 0,5 N/m		
	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated		
	PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF		
	TPU	TPU		
	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1		
	IP67	IP67		
	3	3		
	UL; V0	UL; V0		
	HB	HB		
	100 pieces	100 pieces		
	JDE36T54M12	**JDE35T54M12**		
	3...4 Kg	3...4 Kg		
	29 x 15 x 18 cm	29 x 15 x 18 cm		

Form B - EN 175301-803 (DIN43650) / ISO 6952 + M12

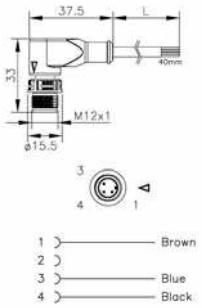
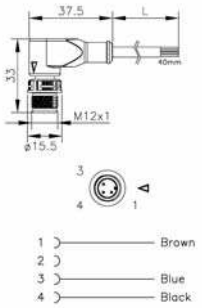
DESCRIPTION		PAG
SERIES: AD12S		M12 straight male 3-4-5 poles with moulded cable free end 124
SERIES: AK12S		M12 angled male 3-4-5 poles with moulded cable free end 126
SERIES: AD12B		M12 straight female 3-4-5 poles with moulded cable free end 128
SERIES: AK12B		M12 angled female 3-4-5 poles with moulded cable free end 130
SERIES: AG12 - AW12		M12 straight-angled, male-female 8 poles with moulded cable free end 132
SERIES: ED2BD2		M12 straight male to M12 straight female 3-4-5 poles 134
SERIES: EK2BD2		M12 straight male to M12 angled female 3-4-5 poles 136
SERIES: ED2BK2		M12 angled male to M12 straight female 3-4-5 poles 138
SERIES: EK2BK2		M12 angled male to M12 angled female 3-4-5 poles 140
SERIES: EG - EW		M12 extensions 8 poles 142
SERIES: YD2 - YK2		M12 distributor straight male to M12 female 144
SERIES: FGA		M12 straight self assembly 146
SERIES: FWA		M12 angled self assembly 148
SERIES: RB12S - RG12S		M12 male receptacle 150
SERIES: RA12B - RD12B		M12 female receptacle 152

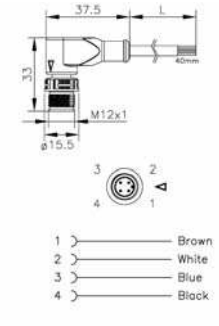
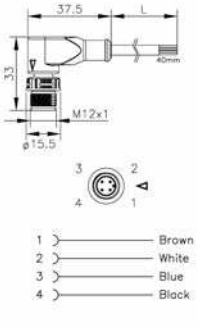
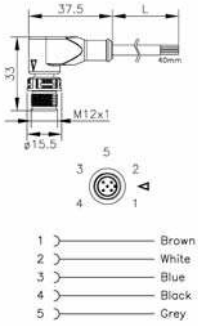
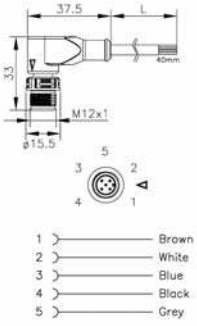
M12 Straight Male

Product description				
Standard		IEC 61076-2-101	IEC 61076-2-101	
Construction type		D Style LM	D Style LM	
Description		Non-rewireable connector, straight version with M12 locking nut, male contacts	Non-rewireable connector, straight version with M12 locking nut, male contacts	
Housing colour		black	black	
Type of contact		male	male	
Number of contacts		3	3	
Cable type		PVC CEI 2022 II O.R.	PUR LiY11Y	
Conductor specification		0,34 mm²	0,34 mm²	
Cable length		2 m	2 m	
Order no.		**AD12S3C34200**	**AD12S3P34200**	
Other standard options	cable length 5m,	order no. **AD12S3C34500**	order no. **AD12S3P34500**	
	cable length 10m,	order no. **AD12S3C3410X**	order no. **AD12S3P3410X**	
Cable jacket colour		grey RAL7035	black matt	
Conductor colours		brown - blue - black	brown - blue - black	
Cable diameter +/-5%		5,0 mm	5,0 mm	
Temperature range	static application	-15°C to + 70°C	-40°C to + 80°C	
	flexible application		-25°C to + 80°C	
Drawing		 ▷ Code A	 ▷ Code A	
Technical data				
Pin dimension		1 mm	1 mm	
Rated voltage max.		250 V AC/DC	250 V AC/DC	
Rated current max.		4 A	4 A	
Contact resistance		≤ 10 mΩ	≤ 10 mΩ	
Mounting		Lock nut M12 x 1	Lock nut M12 x 1	
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	
Material				
Contact material		CuSn gold plated	CuSn gold plated	
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue	
Housing material		TPU	TPU	
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	
Enviromental conditions				
Protection class (EN 60529)		IP 67	IP 67	
Pollution severity (EN 60664-1)		3	3	
Inflammability class				
Contact holder material		UL	UL	
Housing material		HB	HB	
Packaging				
Minimum quantity		100 pieces	100 pieces	
Number of boxes suitable :	2 boxes	**AD12S3C34200**	**AD12S3P34200**	
	2 boxes	**AD12S3C34500**	**AD12S3P34500**	
	4 boxes	**AD12S3C3410X**	**AD12S3P3410X**	
Approximate weight per box		10...12 Kg	10...12 Kg	
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	
Notes				
Technical specifications on cables and accessories see pages 171-175				

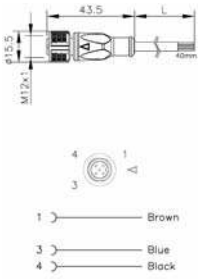
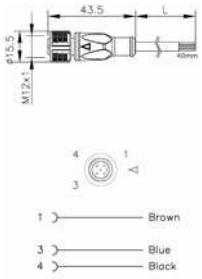
	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
	D Style LM	D Style LM	D Style LM	D Style LM
	Non-rewireable connector, straight version with M12 locking nut, male contacts	Non-rewireable connector, straight version with M12 locking nut, male contacts	Non-rewireable connector, straight version with M12 locking nut, male contacts	Non-rewireable connector, straight version with M12 locking nut, male contacts
	black	black	black	black
	male	male	male	male
	4	4	5	5
	PVC CEI 2022 II O.R.	PUR LiY11Y	PVC CEI 2022 II O.R.	PUR LiY11Y
	0,34 mm²	0,34 mm²	0,25 mm²	0,25 mm²
	2 m	2 m	2 m	2 m
	AD12S4C34200	**AD12S4P34200**	**AD12S5C25200**	**AD12S5P25200**
	order no. **AD12S4C34500**	order no. **AD12S4P34500**	order no. **AD12S5C25500**	order no. **AD12S5P25500**
	order no. **AD12S4C3410X**	order no. **AD12S4P3410X**	order no. **AD12S5C2510X**	order no. **AD12S5P2510X**
	grey RAL7035	black matt	grey RAL7035	black matt
	brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
	5,0 mm	5,0 mm	5,0 mm	5,0 mm
	-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C
		-25°C to + 80°C		-25°C to + 80°C
	 ▻ **Code A**	 ▻ **Code A**	 ▻ **Code A**	 ▻ **Code A**
	1 mm	1 mm	1 mm	1 mm
	250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
	4 A	4 A	4 A	4 A
	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
	CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
	TPU	TPU	TPU	TPU
	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
	IP 67	IP 67	IP 67	IP 67
	3	3	3	3
	UL	UL	UL	UL
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	AD12S4C34200	**AD12S4P34200**	**AD12S5C25200**	**AD12S5P25200**
	AD12S4C34500	**AD12S4P34500**	**AD12S5C25500**	**AD12S5P25500**
	AD12S4C3410X	**AD12S4P3410X**	**AD12S5C2510X**	**AD12S5P2510X**
	10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm

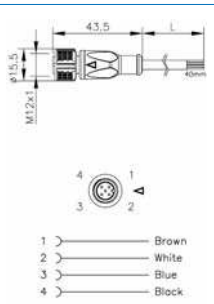
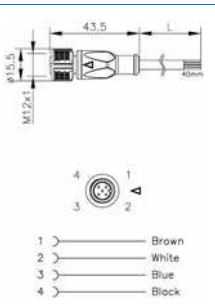
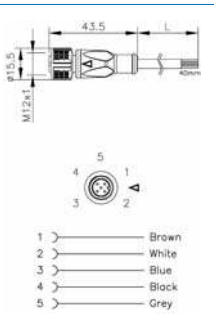
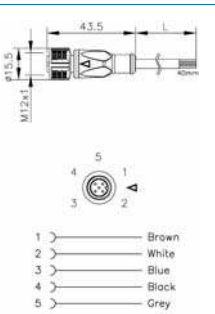
M12 Angled Male

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D Style MM	D Style MM
Description		Non-rewireable connector, right angled version with M12 locking nut, male contacts	Non-rewireable connector, right angled version with M12 locking nut, male contacts
Housing colour		black	black
Type of contact		male	male
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR LiY11Y
Conductor specification		0,34 mm²	0,34 mm²
Cable length		2 m	2 m
Order no.		**AK12S3C34200**	**AK12S3P34200**
Other standard options	cable length 5m,	order no. **AK12S3C34500**	order no. **AK12S3P34500**
	cable length 10m,	order no. **AK12S3C3410X**	order no. **AK12S3P3410X**
Cable jacket colour		grey RAL7035	black matt
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-15°C to + 70°C	-40°C to + 80°C
	flexible application		-25°C to + 80°C
Drawing		 ▷ Code A	 ▷ Code A
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		UL	UL
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**AK12S3C34200**	**AK12S3P34200**
	2 boxes	**AK12S3C34500**	**AK12S3P34500**
	4 boxes	**AK12S3C3410X**	**AK12S3P3410X**
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
	D Style MM	D Style MM	D Style MM	D Style MM
	Non-rewireable connector, right angled version with M12 locking nut, male contacts	Non-rewireable connector, right angled version with M12 locking nut, male contacts	Non-rewireable connector, right angled version with M12 locking nut, male contacts	Non-rewireable connector, right angled version with M12 locking nut, male contacts
	black	black	black	black
	male	male	male	male
	4	4	5	5
	PVC CEI 2022 II O.R.	PUR LiY11Y	PVC CEI 2022 II O.R.	PUR LiY11Y
	0,34 mm²	0,34 mm²	0,25 mm²	0,25 mm²
	2 m	2 m	2 m	2 m
	AK12S4C34200	**AK12S4P34200**	**AK12S5C25200**	**AK12S5P25200**
	order no. **AK12S4C34500**	order no. **AK12S4P34500**	order no. **AK12S5C25500**	order no. **AK12S5P25500**
	order no. **AK12S4C3410X**	order no. **AK12S4P3410X**	order no. **AK12S5C2510X**	order no. **AK12S5P2510X**
	grey RAL7035	black matt	grey RAL7035	black matt
	brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
	5,0 mm	5,0 mm	5,0 mm	5,0 mm
	-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C
		-25°C to + 80°C		-25°C to + 80°C
	 ▷ Code A	 ▷ Code A	 ▷ Code A	 ▷ Code A
	1 mm	1 mm	1 mm	1 mm
	250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
	4 A	4 A	4 A	4 A
	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
	CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
	TPU	TPU	TPU	TPU
	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
	IP 67	IP 67	IP 67	IP 67
	3	3	3	3
	UL	UL	UL	UL
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	AK12S4C34200	**AK12S4P34200**	**AK12S5C25200**	**AK12S5P25200**
	AK12S4C34500	**AK12S4P34500**	**AK12S5C25500**	**AK12S5P25500**
	AK12S4C3410X	**AK12S4P3410X**	**AK12S5C2510X**	**AK12S5P2510X**
	10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm

M12 Straight Female

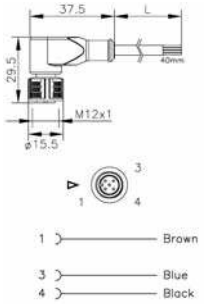
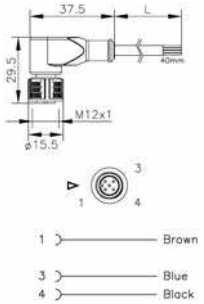
Product description				
Standard		IEC 61076-2-101	IEC 61076-2-101	
Construction type		D Style LF	D Style LF	
Description		Non-rewireable connector, straight version with M12 locking nut, female contacts	Non-rewireable connector, straight version with M12 locking nut, female contacts	
Housing colour		black	black	
Type of contact		female	female	
Number of contacts		3	3	
Cable type		PVC CEI 2022 II O.R.	PUR LiY11Y	
Conductor specification		0,34 mm²	0,34 mm²	
Cable length		2 m	2 m	
Order no.		**AD12B3C34200**	**AD12B3P34200**	
Other standard options	cable length 5m,	order no. **AD12B3C34500**	order no. **AD12B3P34500**	
	cable length 10m,	order no. **AD12B3C3410X**	order no. **AD12B3P3410X**	
Cable jacket colour		grey RAL7035	black matt	
Conductor colours		brown - blue - black	brown - blue - black	
Cable diameter +/-5%		5,0 mm	5,0 mm	
Temperature range	static application	-15°C to + 70°C	-40°C to + 80°C	
	flexible application		-25°C to + 80°C	
Drawing		 ▷ Code A	 ▷ Code A	
Technical data				
Pin dimension		1 mm	1 mm	
Rated voltage max.		250 V AC/DC	250 V AC/DC	
Rated current max.		4 A	4 A	
Contact resistance		≤ 10 mΩ	≤ 10 mΩ	
Mounting		Lock nut M12 x 1	Lock nut M12 x 1	
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	
Material				
Contact material		CuSn gold plated	CuSn gold plated	
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue	
Housing material		TPU	TPU	
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	
O-Ring		Viton	Viton	
Enviromental conditions				
Protection class (EN 60529)		IP 67	IP 67	
Pollution severity (EN 60664-1)		3	3	
Inflammability class				
Contact holder material		UL	UL	
Housing material		HB	HB	
Packaging				
Minimum quantity		100 pieces	100 pieces	
Number of boxes suitable :	2 boxes	**AD12B3C34200**	**AD12B3P34200**	
	2 boxes	**AD12B3C34500**	**AD12B3P34500**	
	4 boxes	**AD12B3C3410X**	**AD12B3P3410X**	
Approximate weight per box		10...12 Kg	10...12 Kg	
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	
Notes				
Technical specifications on cables and accessories see pages 171-175				

	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
	D Style LF	D Style LF	D Style LF	D Style LF
	Non-rewireable connector, straight version with M12 locking nut, female contacts	Non-rewireable connector, straight version with M12 locking nut, female contacts	Non-rewireable connector, straight version with M12 locking nut, female contacts	Non-rewireable connector, straight version with M12 locking nut, female contacts
	black	black	black	black
	female	female	female	female
	4	4	5	5
	PVC CEI 2022 II O.R.	PUR LiY11Y	PVC CEI 2022 II O.R.	PUR LiY11Y
	0,34 mm²	0,34 mm²	0,25 mm²	0,25 mm²
	2 m	2 m	2 m	2 m
	AD12B4C34200	**AD12B4P34200**	**AD12B5C25200**	**AD12B5P25200**
	order no. **AD12B4C34500**	order no. **AD12B4P34500**	order no. **AD12B5C25500**	order no. **AD12B5P25500**
	order no. **AD12B4C3410X**	order no. **AD12B4P3410X**	order no. **AD12B5C2510X**	order no. **AD12B5P2510X**
	grey RAL7035	black matt	grey RAL7035	black matt
	brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
	5,0 mm	5,0 mm	5,0 mm	5,0 mm
	-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C
		-25°C to + 80°C		-25°C to + 80°C
	 ▻ Code A	 ▻ Code A	 ▻ Code A	 ▻ Code A
	1 mm	1 mm	1 mm	1 mm
	250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
	4 A	4 A	4 A	4 A
	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
	CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
	TPU	TPU	TPU	TPU
	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
	Viton	Viton	Viton	Viton
	IP 67	IP 67	IP 67	IP 67
	3	3	3	3
	UL	UL	UL	UL
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	AD12B4C34200	**AD12B4P34200**	**AD12B5C25200**	**AD12B5P25200**
	AD12B4C34500	**AD12B4P34500**	**AD12B5C25500**	**AD12B5P25500**
	AD12B4C3410X	**AD12B4P3410X**	**AD12B5C2510X**	**AD12B5P2510X**
	10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm

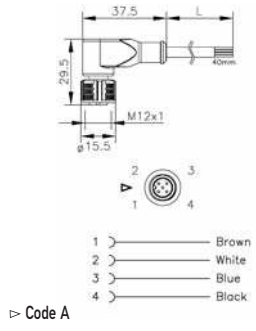
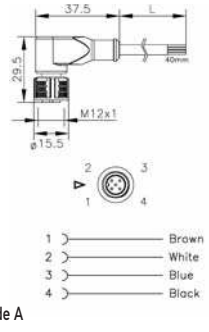
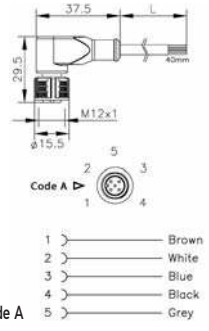
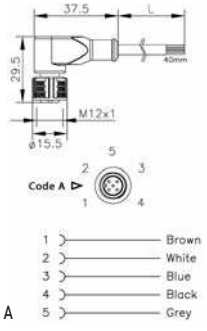
Circular Connectors **AK12** series

MOULDED IN CABLE

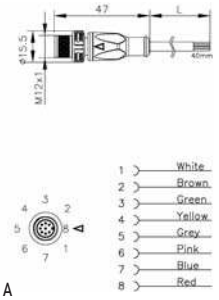
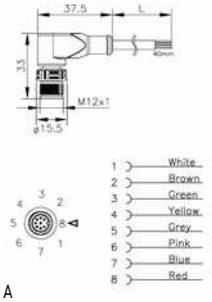
M12 Angled Female

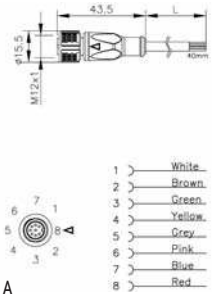
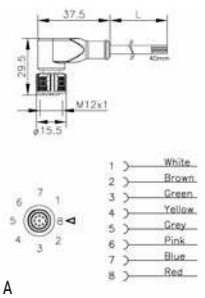
Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D Style MF	D Style MF
Description		Non-rewireable connector, right angled version with M12 locking nut, female contacts	Non-rewireable connector, right angled version with M12 locking nut, female contacts
Housing colour		black	black
Type of contact		female	female
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR LiY11Y
Conductor specification		0,34 mm²	0,34 mm²
Cable length		2 m	2 m
Order no.		**AK12B3C34200**	**AK12B3P34200**
Other standard options	cable length 5m,	order no. **AK12B3C34500**	order no. **AK12B3P34500**
	cable length 10m,	order no. **AK12B3C3410X**	order no. **AK12B3P3410X**
Cable jacket colour		grey RAL7035	black matt
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-15°C to + 70°C	-40°C to + 80°C
	flexible application		-25°C to + 80°C
Drawing		 ▷ Code A	 ▷ Code A
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
O-Ring		Viton	Viton
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		UL	UL
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**AK12B3C34200**	**AK12B3P34200**
	2 boxes	**AK12B3C34500**	**AK12B3P34500**
	4 boxes	**AK12B3C3410X**	**AK12B3P3410X**
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

MOULDED IN CABLE

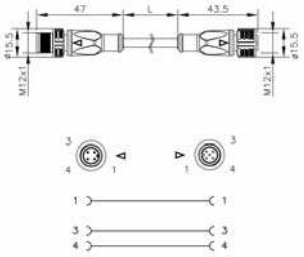
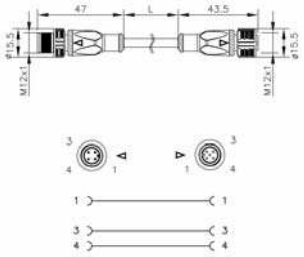
	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
	D Style MF	D Style MF	D Style MF	D Style MF
	Non-rewireable connector, right angled version with M12 locking nut, female contacts	Non-rewireable connector, right angled version with M12 locking nut, female contacts	Non-rewireable connector, right angled version with M12 locking nut, female contacts	Non-rewireable connector, right angled version with M12 locking nut, female contacts
	black	black	black	black
	female	female	female	female
	4	4	5	5
	PVC CEI 2022 II O.R.	PUR LiY11Y	PVC CEI 2022 II O.R.	PUR LiY11Y
	0,34 mm²	0,34 mm²	0,25 mm²	0,25 mm²
	2 m	2 m	2 m	2 m
	AK12B4C34200	**AK12B4P34200**	**AK12B5C25200**	**AK12B5P25200**
	order no. **AK12B4C34500**	order no. **AK12B4P34500**	order no. **AK12B5C25500**	order no. **AK12B5P25500**
	order no. **AK12B4C3410X**	order no. **AK12B4P3410X**	order no. **AK12B5C2510X**	order no. **AK12B5P2510X**
	grey RAL7035	black matt	grey RAL7035	black matt
	brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
	5,0 mm	5,0 mm	5,0 mm	5,0 mm
	-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C
		-25°C to + 80°C		-25°C to + 80°C
	 ▷ Code A	 ▷ Code A	 ▷ Code A	 ▷ Code A
	1 mm	1 mm	1 mm	1 mm
	250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
	4 A	4 A	4 A	4 A
	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
	CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
	TPU	TPU	TPU	TPU
	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
	Viton	Viton	Viton	Viton
	IP 67	IP 67	IP 67	IP 67
	3	3	3	3
	UL	UL	UL	UL
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	AK12B4C34200	**AK12B4P34200**	**AK12B5C25200**	**AK12B5P25200**
	AK12B4C34500	**AK12B4P34500**	**AK12B5C25500**	**AK12B5P25500**
	AK12B4C3410X	**AK12B4P3410X**	**AK12B5C2510X**	**AK12B5P2510X**
	10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm

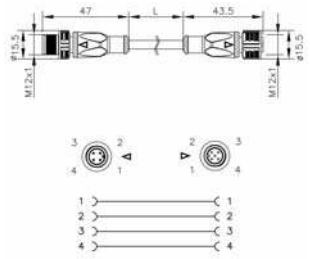
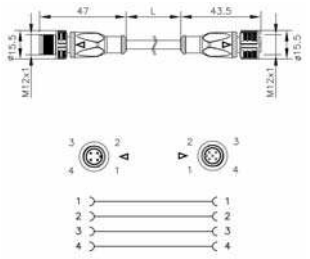
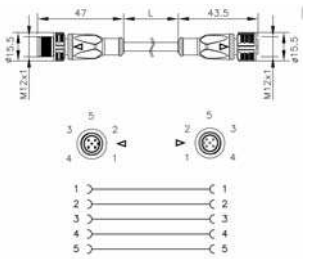
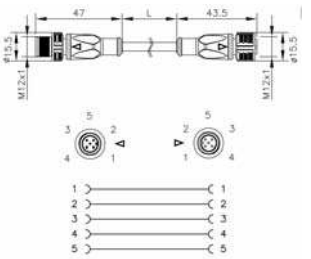
M12 - 8 Poles

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D Style LM	D Style MM
Description		Non-rewireable connector, straight version with M12 locking nut, male contacts	Non-rewireable connector, right angled version with M12 locking nut, male contacts
Housing colour		black	black
Type of contact		male	male
Number of contacts		8	8
Cable type		PUR	PUR
Conductor specification		0,25 mm²	0,25 mm²
Cable length		2 m	2 m
Order no.		**AG12S8U25200**	**AW12S8U25200**
Other standard options	cable length 5m,	order no. **AG12S8U25500**	order no. **AW12S8U25500**
	cable length 10m,	order no. **AG12S8U2510X**	order no. **AW12S8U2510X**
Cable jacket colour		grey	grey
Conductor colours		white - brown - green - yellow grey - pink - blue - red	white - brown - green - yellow grey - pink - blue - red
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing		 ▷ Code A	 ▷ Code A
Technical data			
Pin dimension		0,8 mm	0,8 mm
Rated voltage max.		30 V AC/DC	30 V AC/DC
Rated current max.		2 A	2 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6 GF black	PA6 GF black
Housing material		TPU	TPU
Coupling nut material		CuZn Nikel plated	CuZn Nikel plated
O-Ring		Viton	Viton
Enviromental conditions		IP 67	IP 67
Protection class (EN 60529)		3	3
Pollution severity (EN 60664-1)			
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**AG12S8U25200**	**AW12S8U25200**
	2 boxes	**AG12S8U25500**	**AW12S8U25500**
	4 boxes	**AG12S8U2510X**	**AW12S8U2510X**
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

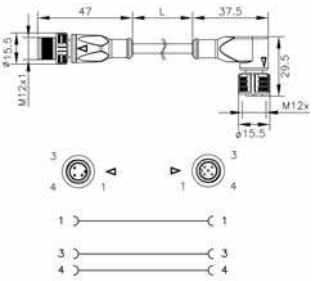
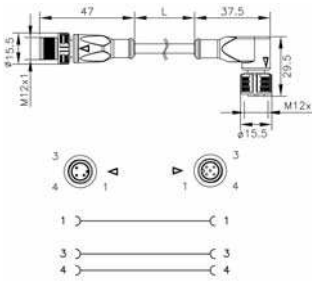
	IEC 61076-2-101	IEC 61076-2-101		
	D Style LF	D Style MF		
	Non-rewireable connector, straight version with M12 locking nut, female contacts	Non-rewireable connector, angled version with M12 locking nut, female contacts		
	black	black		
	female	female		
	8	8		
	PUR	PUR		
	0,25 mm²	0,25 mm²		
	2 m	2 m		
	AG12B8U25200	**AW12B8U25200**		
	order no. **AG12B8U25500**	order no. **AW12B8U25500**		
	order no. **AG12B8U2510X**	order no. **AW12B8U2510X**		
	grey	grey		
	white - brown - green - yellow grey - pink - blue - red	white - brown - green - yellow grey - pink - blue - red		
	5,0 mm	5,0 mm		
	-40°C to + 80°C	-40°C to + 80°C		
	-25°C to + 80°C	-25°C to + 80°C		
	 ▻ **Code A**	 ▻ **Code A**		
	0,8 mm	0,8 mm		
	30 V AC/DC	30 V AC/DC		
	2 A	2 A		
	≤ 10 mΩ	≤ 10 mΩ		
	Lock nut M12 x 1	Lock nut M12 x 1		
	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m		
	CuSn gold plated	CuSn gold plated		
	PA6 GF black	PA6 GF black		
	TPU	TPU		
	CuZn Nikel plated	CuZn Nikel plated		
	Viton	Viton		
	IP 67	IP 67		
	3	3		
	HB	HB		
	HB	HB		
	100 pieces	100 pieces		
	AG12B8U25200	**AW12B8U25200**		
	AG12B8U25500	**AW12B8U25500**		
	AG12B8U2510X	**AW12B8U2510X**		
	10...12 Kg	10...12 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		

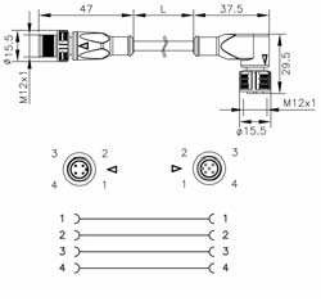
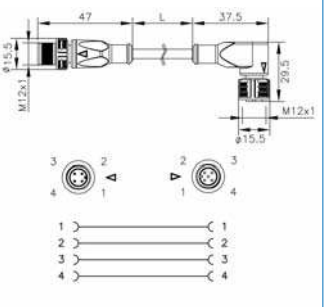
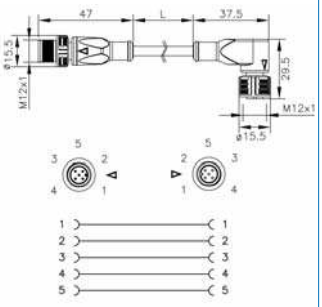
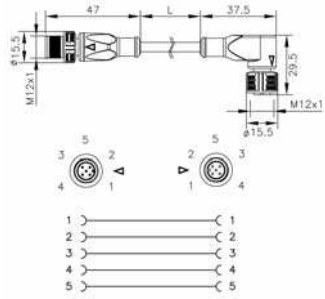
M12 / M12 Extension

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D LM and LF style	D LM and LF style
Description		Non-rewireable connector with M12 locking nut male and female straight version	Non-rewireable connector with M12 locking nut male and female straight version
Housing colour		black	black
Type of contact		male + female	male + female
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR LiY11Y
Conductor specification		0,34 mm^2	0,34 mm^2
Cable length		2 m	2 m
Order no.		**ED2BD2S3C34200**	**ED2BD2S3P34200**
Other standard options	cable length 1,0m,	order no. **ED2BD2S3C34100**	order no. **ED2BD2S3P34100**
Cable jacket colour		grey RAL7035	black matt
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-15°C to + 70°C	-40°C to + 80°C
	flexible application		-25°C to + 80°C
Drawing		 ▻ Code A	 ▻ Code A
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
O-Ring		Viton	Viton
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		UL	UL
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**ED2BD2S3C34200**	**ED2BD2S3P34200**
	1 box	**ED2BD2S3C34100**	**ED2BD2S3P34100**
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

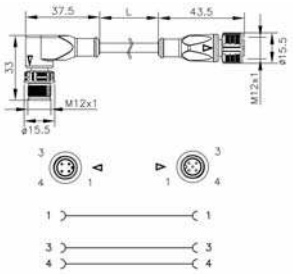
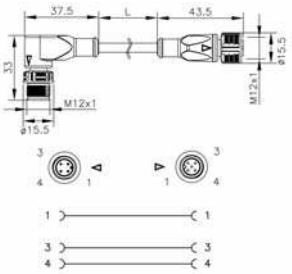
	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
	D LM and LF style	D LM and LF style	D LM and LF style	D LM and LF style
	Non-rewireable connector with M12 locking nut male and female straight version	Non-rewireable connector with M12 locking nut male and female straight version	Non-rewireable connector with M12 locking nut male and female straight version	Non-rewireable connector with M12 locking nut male and female straight version
	black	black	black	black
	male + female	male + female	male + female	male + female
	4	4	5	5
	PVC CEI 2022 II O.R.	PUR LiY11Y	PVC CEI 2022 II O.R.	PUR LiY11Y
	0,34 mm^2	0,34 mm^2	0,25 mm^2	0,25 mm^2
	2 m	2 m	2 m	2 m
	ED2BD2S4C34200	**ED2BD2S4P34200**	**ED2BD2S5C25200**	**ED2BD2S5P25200**
	order no. **ED2BD2S4C34100**	order no. **ED2BD2S4P34100**	order no. **ED2BD2S5C25100**	order no. **ED2BD2S5P25100**
	grey RAL7035	black matt	grey RAL7035	black matt
	brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
	5,0 mm	5,0 mm	5,0 mm	5,0 mm
	-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C
		-25°C to + 80°C		-25°C to + 80°C
				
	▻ Code A	▻ Code A	▻ Code A	▻ Code A
	1 mm	1 mm	1 mm	1 mm
	250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
	4 A	4 A	4 A	4 A
	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
	CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
	TPU	TPU	TPU	TPU
	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
	Viton	Viton	Viton	Viton
	IP 67	IP 67	IP 67	IP 67
	3	3	3	3
	UL	UL	UL	UL
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	ED2BD2S4C34200	**ED2BD2S4P34200**	**ED2BD2S5C25200**	**ED2BD2S5P25200**
	ED2BD2S4C34100	**ED2BD2S4P34100**	**ED2BD2S5C25100**	**ED2BD2S5P25100**
	10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm

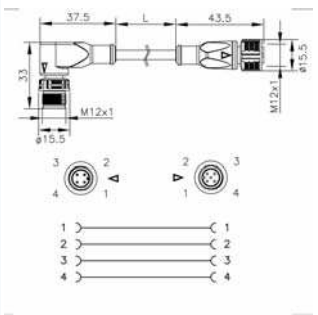
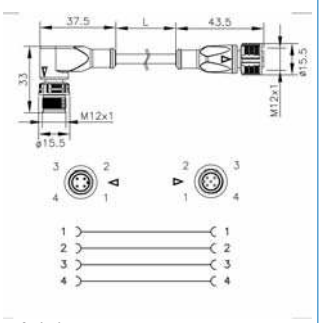
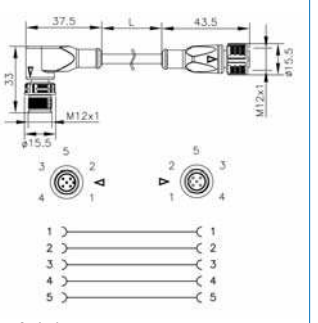
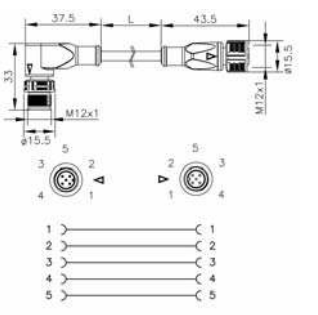
M12 / M12 Extension

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D LM and MF style	D LM and MF style
Description		Non-rewireable connector with M12 locking nut male straight and female right angled version	Non-rewireable connector with M12 locking nut male straight and female right angled version
Housing colour		black	black
Type of contact		male + female	male + female
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR LiY11Y
Conductor specification		0,34 mm²	0,34 mm²
Cable length		2 m	2 m
Order no.		**EK2BD2S3C34200**	**EK2BD2S3P34200**
Other standard options	cable length 1,0m,	order no. **EK2BD2S3C34100**	order no. **EK2BD2S3P34100**
Cable jacket colour		grey RAL7035	black matt
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-15°C to + 70°C	-40°C to + 80°C
	flexible application		-25°C to + 80°C
Drawing		 ▻ Code A	 ▻ Code A
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
O-Ring		Viton	Viton
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		UL	UL
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**EK2BD2S3C34200**	**EK2BD2S3P34200**
	1 box	**EK2BD2S3C34100**	**EK2BD2S3P34100**
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

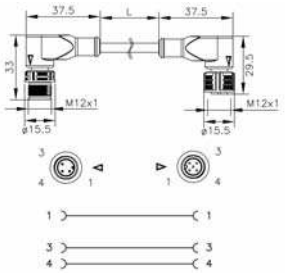
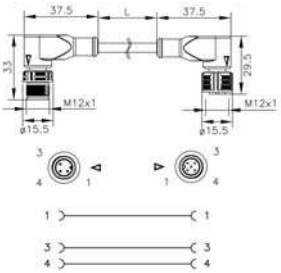
	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
	D LM and MF style	D LM and MF style	D LM and MF style	D LM and MF style
	Non-rewireable connector with M12 locking nut male straight and female right angled version	Non-rewireable connector with M12 locking nut male straight and female right angled version	Non-rewireable connector with M12 locking nut male straight and female right angled version	Non-rewireable connector with M12 locking nut male straight and female right angled version
	black	black	black	black
	male + female	male + female	male + female	male + female
	4	4	5	5
	PVC CEI 2022 II O.R.	PUR LiY11Y	PVC CEI 2022 II O.R.	PUR LiY11Y
	0,34 mm²	0,34 mm²	0,25 mm²	0,25 mm²
	2 m	2 m	2 m	2 m
	EK2BD2S4C34200	**EK2BD2S4P34200**	**EK2BD2S5C25200**	**EK2BD2S5P25200**
	order no. **EK2BD2S4C34100**	order no. **EK2BD2S4P34100**	order no. **EK2BD2S5C25100**	order no. **EK2BD2S5P25100**
	grey RAL7035	black matt	grey RAL7035	black matt
	brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
	5,0 mm	5,0 mm	5,0 mm	5,0 mm
	-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C
		-25°C to + 80°C		-25°C to + 80°C
	 ▻ Code A	 ▻ Code A	 ▻ Code A	 ▻ Code A
	1 mm	1 mm	1 mm	1 mm
	250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
	4 A	4 A	4 A	4 A
	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
	CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
	TPU	TPU	TPU	TPU
	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
	Viton	Viton	Viton	Viton
	IP 67	IP 67	IP 67	IP 67
	3	3	3	3
	UL	UL	UL	UL
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	EK2BD2S4C34200	**EK2BD2S4P34200**	**EK2BD2S5C25200**	**EK2BD2S5P25200**
	EK2BD2S4C34100	**EK2BD2S4P34100**	**EK2BD2S5C25100**	**EK2BD2S5P25100**
	10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm

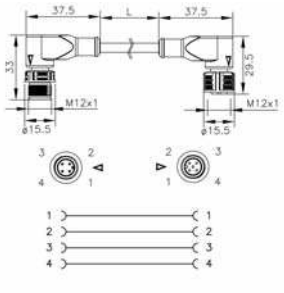
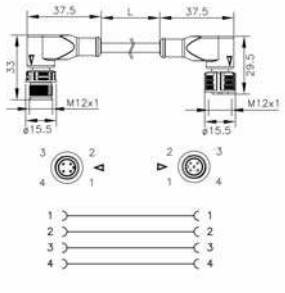
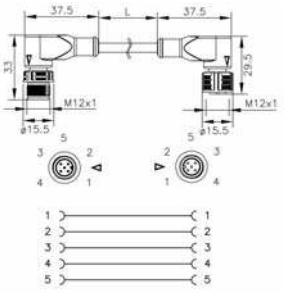
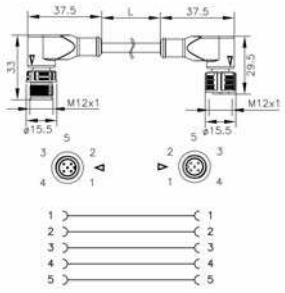
M12 / M12 Extension

Product description				
Standard		IEC 61076-2-101	IEC 61076-2-101	
Construction type		D MM and LF style	D MM and LF style	
Description		Non-rewireable connector with M12 locking nut male right angled and female straight version	Non-rewireable connector with M12 locking nut male right angled and female straight version	
Housing colour		black	black	
Type of contact		male + female	male + female	
Number of contacts		3	3	
Cable type		PVC CEI 2022 II O.R.	PUR LiY11Y	
Conductor specification		0,34 mm²	0,34 mm²	
Cable length		2 m	2 m	
Order no.		**ED2BK2S3C34200**	**ED2BK2S3P34200**	
Other standard options	cable length 1,0m,	order no. **ED2BK2S3C34100**	order no. **ED2BK2S3P34100**	
Cable jacket colour		grey RAL7035	black matt	
Conductor colours		brown - blue - black	brown - blue - black	
Cable diameter +/-5%		5,0 mm	5,0 mm	
Temperature range	static application	-15°C to + 70°C	-40°C to + 80°C	
	flexible application		-25°C to + 80°C	
Drawing		 ▷ Code A	 ▷ Code A	
Technical data				
Pin dimension		1 mm	1 mm	
Rated voltage max.		250 V AC/DC	250 V AC/DC	
Rated current max.		4 A	4 A	
Contact resistance		≤ 10 mΩ	≤ 10 mΩ	
Mounting		Lock nut M12 x 1	Lock nut M12 x 1	
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	
Material				
Contact material		CuSn gold plated	CuSn gold plated	
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue	
Housing material		TPU	TPU	
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	
O-Ring		Viton	Viton	
Enviromental conditions				
Protection class (EN 60529)		IP 67	IP 67	
Pollution severity (EN 60664-1)		3	3	
Inflammability class				
Contact holder material		UL	UL	
Housing material		HB	HB	
Packaging				
Minimum quantity		100 pieces	100 pieces	
Number of boxes suitable:	2 boxes	**ED2BK2S3C34200**	**ED2BK2S3P34200**	
	1 box	**ED2BK2S3C34100**	**ED2BK2S3P34100**	
Approximate weight per box		10...12 Kg	10...12 Kg	
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	
Notes				
Technical specifications on cables and accessories see pages 171-175				

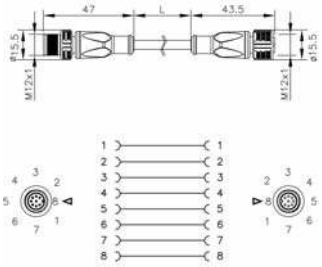
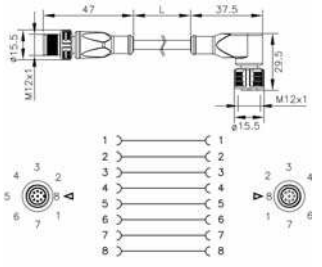
	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
	D MM and LF style	D MM and LF style	D MM and LF style	D MM and LF style
	Non-rewireable connector with M12 locking nut male right angled and female straight version	Non-rewireable connector with M12 locking nut male right angled and female straight version	Non-rewireable connector with M12 locking nut male right angled and female straight version	Non-rewireable connector with M12 locking nut male right angled and female straight version
	black	black	black	black
	male + female	male + female	male + female	male + female
	4	4	5	5
	PVC CEI 2022 II O.R.	PUR LiY11Y	PVC CEI 2022 II O.R.	PUR LiY11Y
	0,34 mm²	0,34 mm²	0,25 mm²	0,25 mm²
	2 m	2 m	2 m	2 m
	ED2BK2S4C34200	**ED2BK2S4P34200**	**ED2BK2S5C25200**	**ED2BK2S5P25200**
	order no. **ED2BK2S4C34100**	order no. **ED2BK2S4P34100**	order no. **ED2BK2S5C25100**	order no. **ED2BK2S5P25100**
	grey RAL7035	black matt	grey RAL7035	black matt
	brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
	5,0 mm	5,0 mm	5,0 mm	5,0 mm
	-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C
		-25°C to + 80°C		-25°C to + 80°C
	 ▻ Code A	 ▻ Code A	 ▻ Code A	 ▻ Code A
	1 mm	1 mm	1 mm	1 mm
	250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
	4 A	4 A	4 A	4 A
	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
	CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
	TPU	TPU	TPU	TPU
	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
	Viton	Viton	Viton	Viton
	IP 67	IP 67	IP 67	IP 67
	3	3	3	3
	UL	UL	UL	UL
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	ED2BK2S4C34200	**ED2BK2S4P34200**	**ED2BK2S5C25200**	**ED2BK2S5P25200**
	ED2BK2S4C34100	**ED2BK2S4P34100**	**ED2BK2S5C25100**	**ED2BK2S5P25100**
	10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm

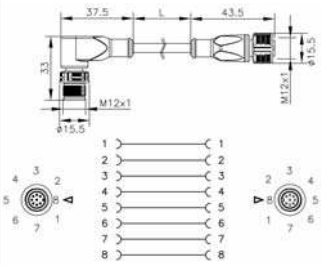
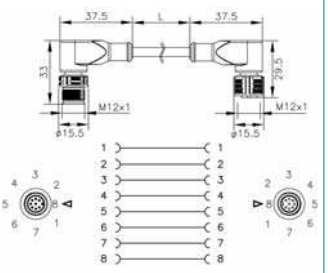
M12 / M12 Extension

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D MM and MF style	D MM and MF style
Description		Non-rewireable connector with M12 locking nut male and female right angled version	Non-rewireable connector with M12 locking nut male and female right angled version
Housing colour		black	black
Type of contact		male + female	male + female
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR LiY11Y
Conductor specification		0,34 mm²	0,34 mm²
Cable length		2 m	2 m
Order no.		**EK2BK2S3C34200**	**EK2BK2S3P34200**
Other standard options	cable length 1,0m,	order no. **EK2BK2S3C34100**	order no. **EK2BK2S3P34100**
Cable jacket colour		grey RAL7035	black matt
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-15°C to + 70°C	-40°C to + 80°C
	flexible application		-25°C to + 80°C
Drawing		 ▷ Code A	 ▷ Code A
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
O-Ring		Viton	Viton
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		UL	UL
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**EK2BK2S3C34200**	**EK2BK2S3P34200**
	1 box	**EK2BK2S3C34100**	**EK2BK2S3P34100**
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
	D MM and MF style	D MM and MF style	D MM and MF style	D MM and MF style
	Non-rewireable connector with M12 locking nut male and female right angled version	Non-rewireable connector with M12 locking nut male and female right angled version	Non-rewireable connector with M12 locking nut male and female right angled version	Non-rewireable connector with M12 locking nut male and female right angled version
	black	black	black	black
	male + female	male + female	male + female	male + female
	4	4	5	5
	PVC CEI 2022 II O.R.	PUR LiY11Y	PVC CEI 2022 II O.R.	PUR LiY11Y
	0,34 mm²	0,34 mm²	0,25 mm²	0,25 mm²
	2 m	2 m	2 m	2 m
	EK2BK2S4C34200	**EK2BK2S4P34200**	**EK2BK2S5C25200**	**EK2BK2S5P25200**
	order no. **EK2BK2S4C34100**	order no. **EK2BK2S4P34100**	order no. **EK2BK2S5C25100**	order no. **EK2BK2S5P25100**
	grey RAL7035	black matt	grey RAL7035	black matt
	brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
	5,0 mm	5,0 mm	5,0 mm	5,0 mm
	-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C
		-25°C to + 80°C		-25°C to + 80°C
	 ▷ Code A	 ▷ Code A	 ▷ Code A	 ▷ Code A
	1 mm	1 mm	1 mm	1 mm
	250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
	4 A	4 A	4 A	4 A
	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
	CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
	TPU	TPU	TPU	TPU
	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
	Viton	Viton	Viton	Viton
	IP 67	IP 67	IP 67	IP 67
	3	3	3	3
	UL	UL	UL	UL
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	EK2BK2S4C34200	**EK2BK2S4P34200**	**EK2BK2S5C25200**	**EK2BK2S5P25200**
	EK2BK2S4C34100	**EK2BK2S4P34100**	**EK2BK2S5C25100**	**EK2BK2S5P25100**
	10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm

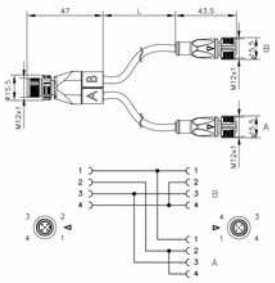
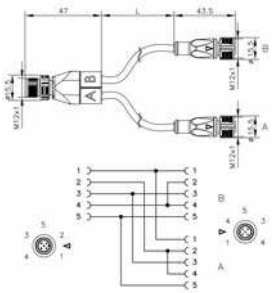
M12 / M12 Extension - 8 Poles

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D LM and LF style	D LM and MF style
Description		Non-rewireable connector with M12 locking nut male and female straight version	Non-rewireable connector with M12 locking nut male straight and female right angled version
Housing colour		black	black
Type of contact		male + female	male + female
Number of contacts		8	8
Cable type		PUR	PUR
Conductor specification		0,25 mm²	0,25 mm²
Cable length		2 m	2 m
Order no.		**EG2BG2S8U25200**	**EW2BG2S8U25200**
Other standard options	cable length 1,0m,	order no. **EG2BG2S8U25100**	order no. **EW2BG2S8U25100**
Cable jacket colour		grey	grey
Conductor colours		white - brown - green - yellow grey - pink - blue - red	white - brown - green - yellow grey - pink - blue - red
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing		 ▷ Code A	 ▷ Code A
Technical data			
Pin dimension		0,8 mm	0,8 mm
Rated voltage max.		30 V AC/DC	30 V AC/DC
Rated current max.		2 A	2 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6 black	PA6 black
Housing material		TPU	TPU
Coupling nut material		CuZn Nikel plated	CuZn Nikel plated
O-Ring		Viton	Viton
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**EG2BG2S8U25200**	**EW2BG2S8U25200**
	1 box	**EG2BG2S8U25100**	**EW2BG2S8U25100**
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

	IEC 61076-2-101	IEC 61076-2-101		
	D MM and LF style	D MM and MF style		
	Non-rewireable connector with M12 locking nut male right angled and female straight version	Non-rewireable connector with M12 locking nut male right angled and female right angled version		
	black	black		
	male + female	male + female		
	8	8		
	PUR	PUR		
	0,25 mm²	0,25 mm²		
	2 m	2 m		
	EG2BW2S8U25200	**EW2BW2S8U25200**		
	order no. **EG2BW2S8U25100**	order no. **EW2BW2S8U25100**		
	grey	grey		
	white - brown - green - yellow grey - pink - blue - red	white - brown - green - yellow grey - pink - blue - red		
	5,0 mm	5,0 mm		
	-40°C to + 80°C	-40°C to + 80°C		
	-25°C to + 80°C	-25°C to + 80°C		
	 ▷ Code A	 ▷ Code A		
	0,8 mm	0,8 mm		
	30 V AC/DC	30 V AC/DC		
	2 A	2 A		
	≤ 10 mΩ	≤ 10 mΩ		
	Lock nut M12 x 1	Lock nut M12 x 1		
	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m		
	CuSn gold plated	CuSn gold plated		
	PA6 black	PA6 black		
	TPU	TPU		
	CuZn Nikel plated	CuZn Nikel plated		
	Viton	Viton		
	IP 67	IP 67		
	3	3		
	HB	HB		
	HB	HB		
	100 pieces	100 pieces		
	EG2BW2S8U25200	**EW2BW2S8U25200**		
	EG2BW2S8U25100	**EW2BW2S8U25100**		
	10...12 Kg	10...12 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		

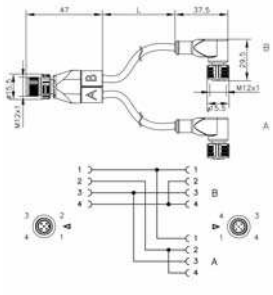
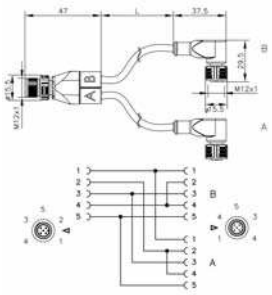
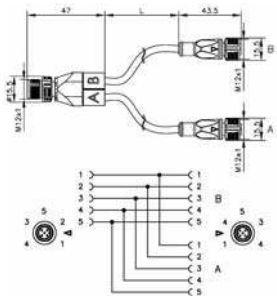
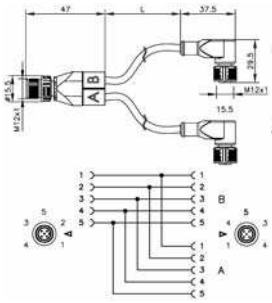
Splitter Extension **Y** series

MOULDED IN CABLE

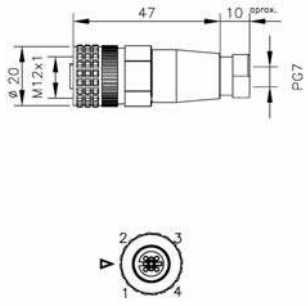
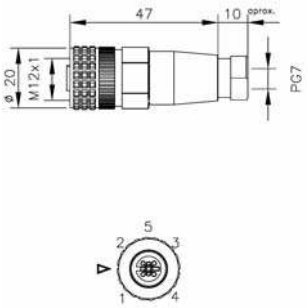
Product description				
Standard		IEC 61076-2-101	IEC 61076-2-101	
Construction type		D - LM and LF style	D - LM and LF style	
Description		Non-rewireable connector, with M12 locking nut, single straight male and double straight female version	Non-rewireable connector, with M12 locking nut, single straight male and double straight female version	
Housing colour		black	black	
Number of contacts		4	5	
Cable type		PUR LiY11Y	PUR LiY11Y	
Conductor specification		0,34 mm²	0,25 mm²	
Cable length		1 m	1 m	
Order no.		**Y2DD2B4P34100**	**Y2DD2B5P25100**	
Other standard options	cable length 0,6m	order no. **Y2DD2B4P34060**	order no. **Y2DD2B5P25060**	
Cable jacket colour		black	black	
Cable diameter +/-5%		5,0 mm	5,0 mm	
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C	
	flexible application	-25°C to + 80°C	-25°C to + 80°C	
Drawing		 ▷ Code A	 ▷ Code A	
Technical data				
Pin dimension		1 mm	1 mm	
Rated voltage max.		60 V AC/DC	60 V AC/DC	
Rated current max.		4 A	4 A	
Contact resistance		≤ 10 mΩ	≤ 10 mΩ	
Overvoltage category		III	III	
Mounting		lock nut M12 x 1	lock nut M12 x 1	
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	
Material				
Contact material		CuSn gold plated	CuSn gold plated	
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue	
Overmoulding material		TPU	TPU	
Coupling nut material		Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	
Enviromental conditions				
Protection class (EN 60529)		IP67	IP67	
Pollution severity (EN 60664-1)		3	3	
Inflammability class				
Contact holder material		HB	HB	
Moulded housing		HB	HB	
Packaging				
Minimum quantity		100 pieces	100 pieces	
Number of boxes suitable:	1 box	**Y2DD2B4P34100**	**Y2DD2B5P25100**	
	1 box	**Y2DD2B4P34060**	**Y2DD2B5P25060**	
Approximate weight per box		10...12 Kg	10...12 Kg	
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	
Notes				
Technical specifications on cables and accessories see pages 171-175				

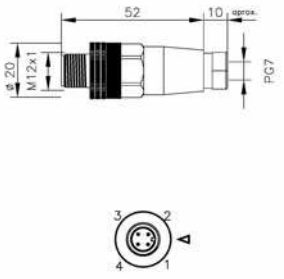
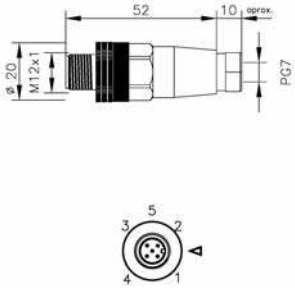
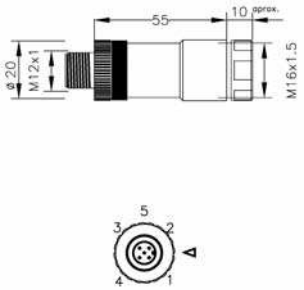
Splitter Extension **Y** series

MOULDED IN CABLE

	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
	D - LM and MF style	D - LM and MF style	D - LM and LF style	D - LM and MF style
	Non-rewireable connector, with M12 locking nut, single straight male and double right angled female version	Non-rewireable connector, with M12 locking nut, single straight male and double right angled female version	Non-rewireable connector, with M12 locking nut, single straight male and double straight female version	Non-rewireable connector, with M12 locking nut, single straight male and double right angled female version
	black	black	black	black
	4	5	5	5
	PUR LiY11Y	PUR LiY11Y	PUR LiY11Y	PUR LiY11Y
	0,25 mm²	0,25 mm²	0,25 mm²	0,25 mm²
	1 m	1 m	1 m	1 m
	Y2DK2B4P34100	**Y2DK2B5P25100**	**Y2DD2BAP25100**	**Y2DK2BAP25100**
	order no. **Y2DK2B4P34060**	order no. **Y2DK2B5P25060**	order no. **Y2DD2BAP25060**	order no. **Y2DK2BAP25060**
	black	black	black	black
	5,0 mm	5,0 mm	5,0 mm	5,0 mm
	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
	-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C
	 ▻ **Code A**	 ▻ **Code A**	 ▻ **Code A**	 ▻ **Code A**
	1 mm	1 mm	1 mm	1 mm
	60 V AC/DC	60 V AC/DC	60 V AC/DC	60 V AC/DC
	4 A	4 A	4 A	4 A
	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
	III	III	III	III
	lock nut M12 x 1	lock nut M12 x 1	lock nut M12 x 1	lock nut M12 x 1
	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
	CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
	TPU	TPU	TPU	TPU
	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
	IP67	IP67	IP67	IP67
	3	3	3	3
	HB	HB	HB	HB
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	Y2DK2B4P34100	**Y2DK2B5P25100**	**Y2DD2BAP25100**	**Y2DK2BAP25100**
	Y2DK2B4P34060	**Y2DK2B5P25060**	**Y2DD2BAP25060**	**Y2DK2BAP25060**
	10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm

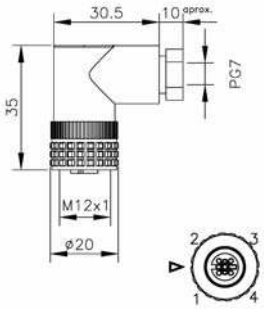
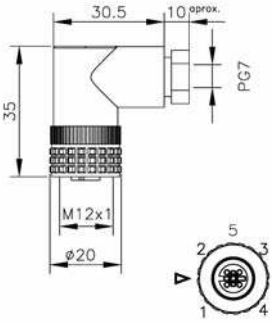
M12 Cable Entry

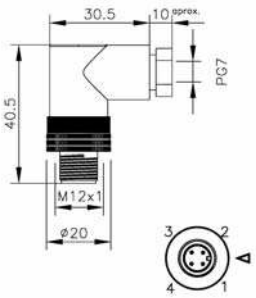
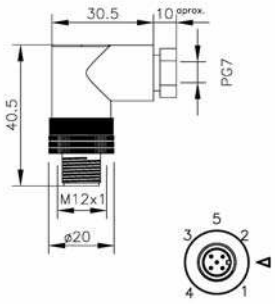
Product description			
Standard	IEC 61076-2-101	IEC 61076-2-101	
Construction type	D Style JF	D Style JF	
Description	Rewireable connector, straight version with locking nut, female contacts	Rewireable connector, straight version with locking nut, female contacts	
Housing colour	black	black	
Type of contact	female	female	
Number of contacts	4	5	
Cable gland	PG7	PG7	
Conductor size	max. 0,75 mm²	max. 0,75 mm²	
Order no.	**FGA12B4-7**	**FGA12B5-7**	
Cable diameter	4 - 6 mm	4 - 6 mm	
Temperature range	-25°C to + 90°C static	-25°C to + 90°C static	
Drawing	 ▷ Code A	 ▷ Code A	
Technical data			
Pin dimension	1 mm	1 mm	
Rated voltage max.	250 V AC/DC	50 V AC/DC	
Rated current max.	4 A	4 A	
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	
Mounting	Lock nut M12 x 1	Lock nut M12 x 1	
Fixing screw torque	min. 0,5; max. 0,8 N/m	min. 0,5; max. 0,8 N/m	
Material			
Contact material	CuZn	CuZn	
Contact holder material	PA	PA	
Housing material	PA	PA	
Coupling nut material	Zn AL/NI	Zn AL/NI	
Enviromental conditions			
Protection class (EN 60529)	IP 67	IP 67	
Pollution severity (EN 60664-1)	3	3	
Inflammability class			
Contact holder material	94 V-2	94 V-2	
Housing material	94 V-2	94 V-2	
Packaging			
Minimum quantity	100 pieces	100 pieces	
Number of boxes suitable : 2 boxes	**FGA12B4-7**	**FGA12B5-7**	
Approximate weight per box	3 Kg	3 Kg	
Box dimension	29 x 15 x 18 cm	29 x 15 x 18 cm	
Notes			
Technical specifications on cables and accessories see pages 171-175			

	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	
	D Style JM	D Style JM	D Style JM	
	Rewireable connector, straight version with locking nut, male contacts	Rewireable connector, straight version with locking nut, male contacts	Rewireable connector, straight version with locking nut, male contacts, double cable entry	
	black	black	black	
	male	male	male	
	4	5	5	
	PG7	PG7	M16x1,5	
	max. 0,75 mm²	max. 0,75 mm²	max. 0,75 mm²	
	FGA12S4-7	**FGA12S5-7**	**FGA12S5-DUO**	
	4 - 6 mm	4 - 6 mm	(2,1 - 3 mm) ; (4 - 5 mm) with appropiate grommet	
	-25°C to + 90°C static	-25°C to + 90°C static	-25°C to + 90°C static	
	 ▻ **Code A**	 ▻ **Code A**	 ▻ **Code A**	
	1 mm	1 mm	1 mm	
	250 V AC/DC	50 V AC/DC	50 V AC/DC	
	4 A	4 A	4 A	
	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	
	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	
	min. 0,5; max. 0,8 N/m	min. 0,5; max. 0,8 N/m	min. 0,5; max. 0,8 N/m	
	CuZn	CuZn	CuZn	
	PA	PA	PA 66	
	PA	PA	PA 66	
	Zn AL/NI	Zn AL/NI	Zn AL/NI	
	IP 67	IP 67	IP 67	
	3	3	3	
	94 V-2	94 V-2	UL 94 HB	
	94 V-2	94 V-2	UL 94 HB	
	100 pieces	100 pieces	100 pieces	
	FGA12S4-7	**FGA12S5-7**	**FGA12S5-DUO**	
	3 Kg	3 Kg	3 Kg	
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	

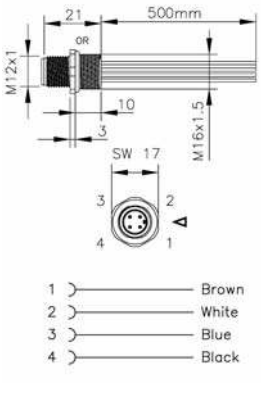
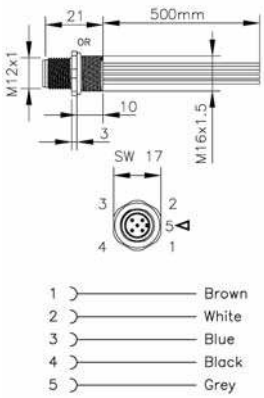
Circular Connectors **FWA** series

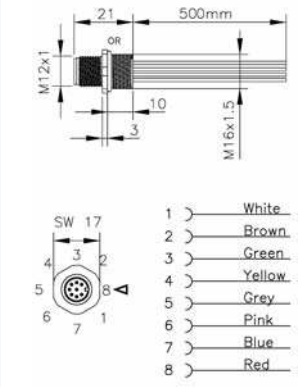
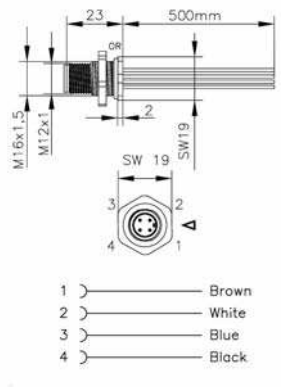
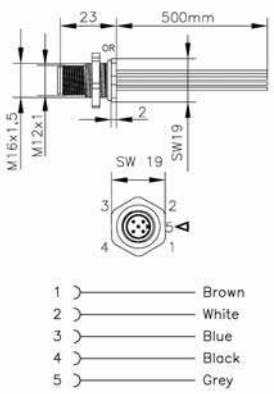
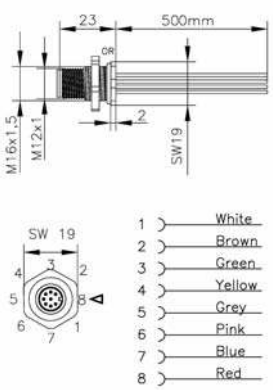
SELF - ASSEMBLY CABLE

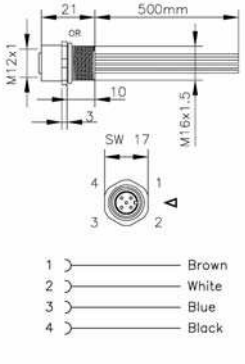
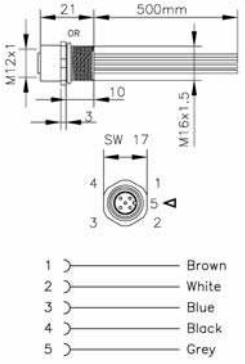
Product description			
Standard	IEC 61076-2-101	IEC 61076-2-101	
Construction type	D Style KF	D Style KF	
Description	Rewireable connector, right angled version with locking nut, female contacts	Rewireable connector, right angled version with locking nut, female contacts	
Housing colour	black	black	
Type of contact	female	female	
Number of contact	4	5	
Cable gland	PG7	PG7	
Conductor size	max. 0,75 mm²	max. 0,75 mm²	
Order no.	**FWA12B4-7**	**FWA12B5-7**	
Cable diameter	4 - 6 mm	4 - 6 mm	
Temperature range	-25°C to + 90°C	-25°C to + 90°C	
Drawing	 ▷ Code A	 ▷ Code A	
Technical data			
Pin dimension	1 mm	1 mm	
Rated voltage max.	250 V AC/DC	50 V AC/DC	
Rated current max.	4 A	4 A	
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	
Mounting	Lock nut M12 x 1	Lock nut M12 x 1	
Fixing screw torque	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	
Material			
Contact material	CuZn	CuZn	
Contact holder material	PA	PA	
Housing material	PA	PA	
Coupling nut material	Zn AL/NI	Zn AL/NI	
Enviromental conditions			
Protection class (EN 60529)	IP 67	IP 67	
Pollution severity (EN 60664-1)	3	3	
Inflammability class			
Contact holder material	94 V-2	94 V-2	
Housing material	94 V-2	94 V-2	
Packaging			
Minimum quantity	100 pieces	100 pieces	
Number of boxes suitable : 2 boxes	**FWA12B4-7**	**FWA12B5-7**	
Approximate weight per box	3 Kg	3 Kg	
Box dimension	29 x 15 x 18 cm	29 x 15 x 18 cm	
Notes			
Technical specifications on cables and accessories see pages 171-175			

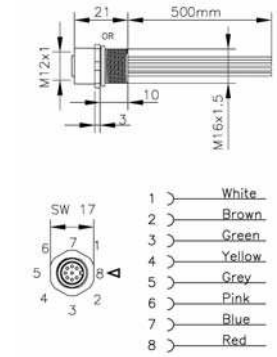
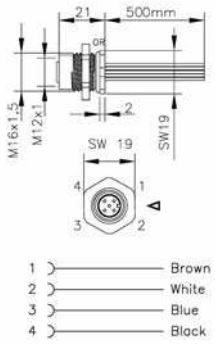
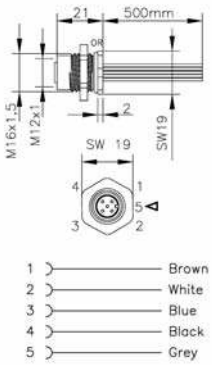
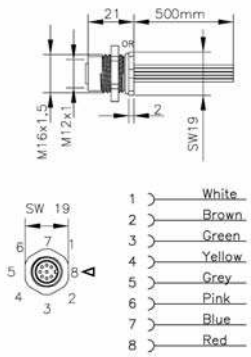
	IEC 61076-2-101	IEC 61076-2-101		
	D Style KM	D Style KM		
	Rewireable connector, right angled version with locking nut, male contacts	Rewireable connector, right angled version with locking nut, male contacts		
	black	black		
	male	male		
	4	5		
	PG7	PG7		
	max. 0,75 mm²	max. 0,75 mm²		
	FWA12S4-7	**FWA12S5-7**		
	4 - 6 mm	4 - 6 mm		
	-25°C to + 90°C	-25°C to + 90°C		
	 ▻ **Code A**	 ▻ **Code A**		
	1 mm	1 mm		
	250 V AC/DC	50 V AC/DC		
	4 A	4 A		
	≤ 10 mΩ	≤ 10 mΩ		
	Lock nut M12 x 1	Lock nut M12 x 1		
	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m		
	CuZn	CuZn		
	PA	PA		
	PA	PA		
	Zn AL/NI	Zn AL/NI		
	IP 67	IP 67		
	3	3		
	94 V-2	94 V-2		
	94 V-2	94 V-2		
	100 pieces	100 pieces		
	FWA12S4-7	**FWA12S5-7**		
	3 Kg	3 Kg		
	29 x 15 x 18 cm	29 x 15 x 18 cm		

M12 Receptacles

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D Style EM	D Style EM
Description		Fixed connector, with wire ends single hole front mounting, male contacts	Fixed connector, with wire ends single hole front mounting, male contacts
Housing colour		silver	silver
Type of contact		male	male
Number of contacts		4	5
Fixation thread		M16	M16
Conductor type		PVC	PVC
Conductor specification		0,34 mm²	0,34 mm²
Conductor length		0,50 m	0,50 m
Order no.		**RB12416U34050**	**RB12516U34050**
Other options on request	PG9 fixation thread	ord.number **RB12409U34050**	ord.number **RB12509U34050**
Conductor colours		brown - white - blue - black	brown - black - grey - blue - white
Temperature range	static application	-25°C to + 70°C	-25°C to + 70°C
Drawing		 ▻ Code A	 ▻ Code A
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	60 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Positionable nut (not included)	Positionable nut (not included)
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuZn	CuZn
Contact holder material		PA	PA
Housing material		Cu Zn / Ni	Cu Zn / Ni
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		94 V-2	94 V-2
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	1 box	**RB12416U34050**	**RB12516U34050**
	1 box	**RB12409U34050**	**RB12509U34050**
Approximate weight per box		3 Kg	3 Kg
Box dimension		29 x 15 x 18 cm	29 x 15 x 18 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

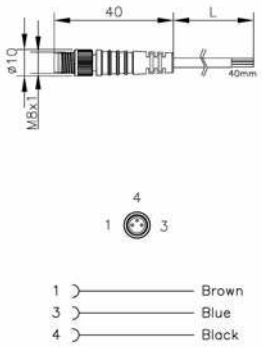
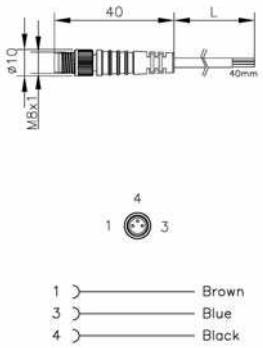
	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
	D Style EM	D Style GM	D Style GM	D Style GM
	Fixed connector, with wire ends single hole front mounting, male contacts	Fixed connector, with wire ends single hole rear mounting keyway orientation, male contacts	Fixed connector, with wire ends single hole rear mounting keyway orientation, male contacts	Fixed connector, with wire ends single hole rear mounting keyway orientation, male contacts
	silver	silver	silver	silver
	male	male	male	male
	8	4	5	8
	M16	M16	M16	M16
	PVC	PVC	PVC	PVC
	0,25 mm²	0,34 mm²	0,34 mm²	0,25 mm²
	0,50 m	0,50 m	0,50 m	0,50 m
	RB12816V25050	**RG12416U34050**	**RG12516U34050**	**RG12816V25050**
		ord.number **RG12409U34050**	ord.number **RG12509U34050**	
	white - brown - green - yellow grey - pink - blue - red	brown - white - blue - black	brown - black - grey - blue - white	white - brown - green - yellow grey - pink - blue - red
	-25°C to + 70°C	-25°C to + 70°C	-25°C to + 70°C	-25°C to + 70°C
	 ▻ Code A	 ▻ Code A	 ▻ Code A	 ▻ Code A
	0,8 mm	1 mm	1 mm	0,8 mm
	30 V AC/DC	250 V AC/DC	60 V AC/DC	30 V AC/DC
	2 A	4 A	4 A	2 A
	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
	Positionable nut (not included)	Positionable nut	Positionable nut	Positionable nut
	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
	CuZn	CuZn	CuZn	CuZn
	PA	PA	PA	PA
	Cu Zn / Ni	Cu Zn / Ni	Cu Zn / Ni	Cu Zn / Ni
	IP 67	IP 67	IP 67	IP 67
	3	3	3	3
	94 V-2	94 V-2	94 V-2	94 V-2
	100 pieces	100 pieces	100 pieces	100 pieces
	RB12816V25050	**RG12416U34050**	**RG12516U34050**	**RG12816V25050**
		RG12409U34050	**RG12509U34050**	
	3 Kg	3 Kg	3 Kg	3 Kg
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm

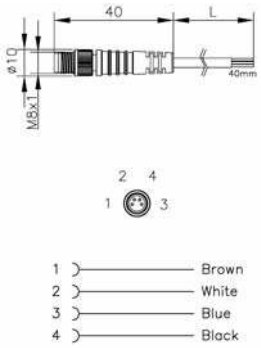
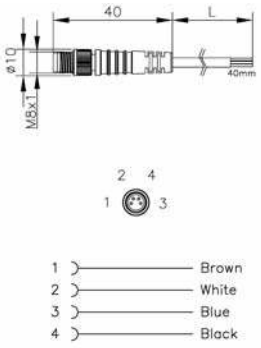
Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D Style EF	D Style EF
Description		Fixed connector, with wire ends single hole front mounting, female contacts	Fixed connector, with wire ends single hole front mounting, female contacts
Housing colour		silver	silver
Type of contact		female	female
Number of contacts		4	5
Fixation thread		M16	M16
Conductor type		PVC	PVC
Conductor specification		0,34 mm²	0,34 mm²
Conductor length		0,50 m	0,50 m
Order no.		**RA12416U34050**	**RA12516U34050**
Other options on request	PG9 fixation thread	ord.number **RA12409U34050**	ord.number **RA12509U34050**
Conductor colours		brown - white - blue - black	brown - black - grey - blue - white
Temperature range	static application	-25°C to + 70°C	-25°C to + 70°C
Drawing		 ▷ Code A	 ▷ Code A
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	60 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Positionable nut (not included)	Positionable nut (not included)
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuZn	CuZn
Contact holder material		PA	PA
Housing material		Cu Zn / Ni	Cu Zn / Ni
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		94 V-2	94 V-2
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	1 box	**RA12416U34050**	**RA12516U34050**
	1 box	**RA12409U34050**	**RA12509U34050**
Approximate weight per box		3 Kg	3 Kg
Box dimension		29 x 15 x 18 cm	29 x 15 x 18 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
	D Style EF	D Style GF	D Style GF	D Style GF
	Fixed connector, with wire ends single hole front mounting, female contacts	Fixed connector, with wire ends single hole rear mounting keyway orientation, female contacts,	Fixed connector, with wire ends single hole rear mounting, keyway orientation, female contacts	Fixed connector, with wire ends single hole rear mounting, keyway orientation, female contacts
	silver	silver	silver	silver
	female	female	female	female
	8	4	5	8
	M16	M16	M16	M16
	PVC	PVC	PVC	PVC
	0,25 mm²	0,34 mm²	0,34 mm²	0,25 mm²
	0,50 m	0,50 m	0,50 m	0,50 m
	RA12816V25050	**RD12416U34050**	**RD12516U34050**	**RD12816V25050**
		ord.number **RD12409U34050**	ord.number **RD12509U34050**	
	white - brown - green - yellow - grey - pink - blue - red	brown - white - blue - black	brown - black - grey - blue - white	white - brown - green - yellow - grey pink - blue - red
	-25°C to + 70°C	-25°C to + 70°C	-25°C to + 70°C	-25°C to + 70°C
	 ▻ Code A	 ▻ Code A	 ▻ Code A	 ▻ Code A
	0,8 mm	1 mm	1 mm	0,8 mm
	30 V AC/DC	250 V AC/DC	60 V AC/DC	30 V AC/DC
	2 A	4 A	4 A	2 A
	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
	Positionable nut (not included)	Positionable nut	Positionable nut	Positionable nut
	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
	CuZn	CuZn	CuZn	CuZn
	PA	PA	PA	PA
	Cu Zn / Ni	Cu Zn / Ni	Cu Zn / Ni	Cu Zn / Ni
	IP 67	IP 67	IP 67	IP 67
	3	3	3	3
	94 V-2	94 V-2	94 V-2	94 V-2
	100 pieces	100 pieces	100 pieces	100 pieces
	RA12816V25050	**RD12416U34050**	**RD12516U34050**	**RD12816V25050**
		RD12409U34050	**RD12509U34050**	
	3 Kg	3 Kg	3 Kg	3 Kg
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm

DESCRIPTION		PAG
SERIES: AG08S		M8 straight male with moulded cable free end 156
SERIES: AW08S		M8 angled male with moulded cable free end 158
SERIES: AG08B		M8 straight female with moulded cable free end 160
SERIES: AW08B		M8 angled female with moulded cable free end 162
SERIES: EG8BD2		M12 straight male to M8 straight female 164
SERIES: EG8BK2		M12 angled male to M8 straight female 165
SERIES: EW8BD2		M12 straight male to M8 angled female 166
SERIES: EW8BK2		M12 angled male to M8 angled female 167
SERIES: YG8 - YW8		Y M12 distributor straight male to M8 female 165-166
SERIES: EG8BG8		M8 straight male to M8 straight female 168
SERIES: EW8BG8		M8 straight male to M8 angled female 169

M8 Straight Male

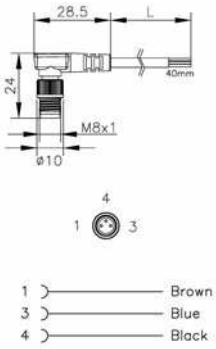
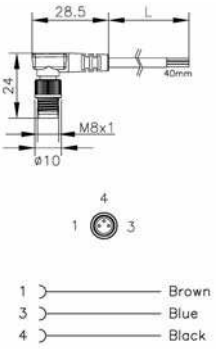
Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		E Style LM	E Style LM
Description		Non-rewireable connector, straight version with M8 locking nut, male contacts	Non-rewireable connector, straight version with M8 locking nut, male contacts
Housing colour		black	black
Type of contact		male	male
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR
Conductors specification		0,25 mm²	0,25 mm²
Cable length		2 m	2 m
Order no.		**AG08S3C25200**	**AG08S3P25200**
Other standard options	cable length 5m	order no. **AG08S3C25500**	order no. **AG08S3P25500**
	cable length 10m	order no. **AG08S3C2510X**	order no. **AG08S3P2510X**
Cable jacket colour		grey RAL7035	black
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-25°C to + 70°C	-40°C to + 80°C
	flexible application		
Drawing			
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		60 V AC/DC	60 V AC/DC
Rated current max.		3 A	3 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M8 x 1	Lock nut M8 x 1
Fixing screw torque		min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6	PA6
Housing material		TPU	TPU
Coupling nut material		CuZn Nickel plated	CuZn Nickel plated
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	**AG08S3C25200**	**AG08S3P25200**
	2 boxes	**AG08S3C25500**	**AG08S3P25500**
	4 boxes	**AG08S3C2510X**	**AG08S3P2510X**
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

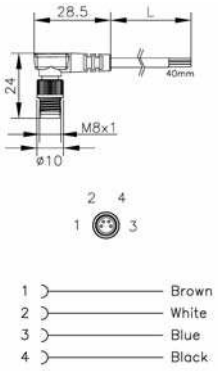
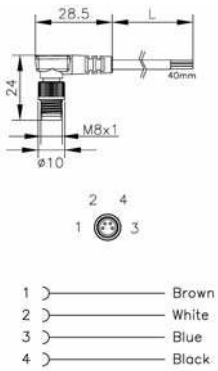
	IEC 61076-2-101	IEC 61076-2-101		
	E Style LM	E Style LM		
	Non-rewireable connector, straight version with M8 locking nut, male contacts	Non-rewireable connector, straight version with M8 locking nut, male contacts		
	black	black		
	male	male		
	4	4		
	PVC CEI 2022 II O.R.	PUR		
	0,25 mm²	0,25 mm²		
	2 m	2 m		
	AG08S4C25200	**AG08S4P25200**		
	order no. **AG08S4C25500**	order no. **AG08S4P25500**		
	order no. **AG08S4C2510X**	order no. **AG08S4P2510X**		
	grey RAL7035	black		
	brown - white - blue - black	brown - white - blue - black		
	5,0 mm	5,0 mm		
	-25°C to + 70°C	-40°C to + 80°C		
				
	1 mm	1 mm		
	30 V AC/DC	30 V AC/DC		
	3 A	3 A		
	≤ 10 mΩ	≤ 10 mΩ		
	Lock nut M8 x 1	Lock nut M8 x 1		
	min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m		
	CuSn gold plated	CuSn gold plated		
	PA6	PA6		
	TPU	TPU		
	CuZn Nickel plated	CuZn Nickel plated		
	IP 67	IP 67		
	3	3		
	HB	HB		
	HB	HB		
	100 pieces	100 pieces		
	AG08S4C25200	**AG08S4P25200**		
	AG08S4C25500	**AG08S4P25500**		
	AG08S4C2510X	**AG08S4P2510X**		
	10...12 Kg	10...12 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		

Circular Connectors **AW08S** series

MOULDED IN CABLE

M8 Angled Male

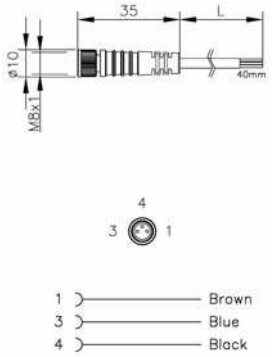
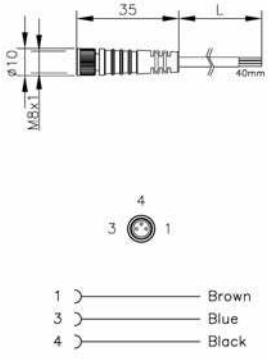
Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		E Style MM	E Style MM
Description		Non-rewireable connector, angled version with M8 locking nut, male contacts	Non-rewireable connector, angled version with M8 locking nut, male contacts
Housing colour		black	black
Type of contact		male	male
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR
Conductors specification		0,25 mm²	0,25 mm²
Cable length		2 m	2 m
Order no.		**AW08S3C25200**	**AW08S3P25200**
Other standard options	cable length 5m	order no. **AW08S3C25500**	order no. **AW08S3P25500**
	cable length 10m	order no. **AW08S3C2510X**	order no. **AW08S3P2510X**
Cable jacket colour		grey RAL7035	black
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-25°C to + 70°C	-40°C to + 80°C
	flexible application		
Drawing			
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		60 V AC/DC	60 V AC/DC
Rated current max.		3 A	3 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M8 x 1	Lock nut M8 x 1
Fixing screw torque		min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6	PA6
Housing material		TPU	TPU
Coupling nut material		CuZn Nickel plated	CuZn Nickel plated
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	**AW08S3C25200**	**AW08S3P25200**
	2 boxes	**AW08S3C25500**	**AW08S3P25500**
	4 boxes	**AW08S3C2510X**	**AW08S3P2510X**
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

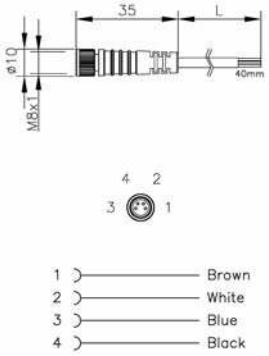
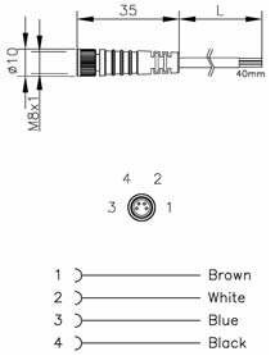
	IEC 61076-2-101	IEC 61076-2-101		
	E Style MM	E Style MM		
	Non-rewireable connector, angled version with M8 locking nut , male contacts	Non-rewireable connector, angled version with M8 locking nut , male contacts		
	black	black		
	male	male		
	4	4		
	PVC CEI 2022 II O.R.	PUR		
	0,25 mm²	0,25 mm²		
	2 m	2 m		
	AW08S4C25200	**AW08S4P25200**		
	order no. **AW08S4C25500**	order no. **AW08S4P25500**		
	order no. **AW08S4C2510X**	order no. **AW08S4P2510X**		
	grey RAL7035	black		
	brown - white - blue - black	brown - white - blue - black		
	5,0 mm	5,0 mm		
	-25°C to + 70°C	-40°C to + 80°C		
				
	1 mm	1 mm		
	30 V AC/DC	30 V AC/DC		
	3 A	3 A		
	≤ 10 mΩ	≤ 10 mΩ		
	Lock nut M8 x 1	Lock nut M8 x 1		
	min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m		
	CuSn gold plated	CuSn gold plated		
	PA6	PA6		
	TPU	TPU		
	CuZn Nickel plated	CuZn Nickel plated		
	IP 67	IP 67		
	3	3		
	HB	HB		
	HB	HB		
	100 pieces	100 pieces		
	AW08S4C25200	**AW08S4P25200**		
	AW08S4C25500	**AW08S4P25500**		
	AW08S4C2510X	**AW08S4P2510X**		
	10...12 Kg	10...12 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		

Circular Connectors **AG08B** series

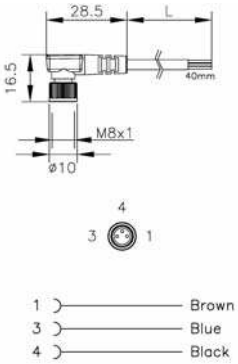
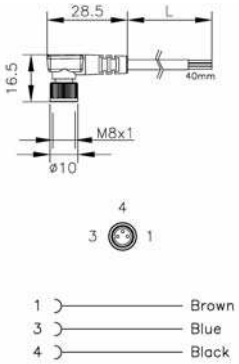
MOULDED IN CABLE

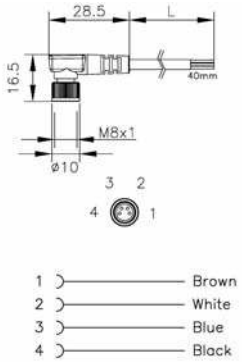
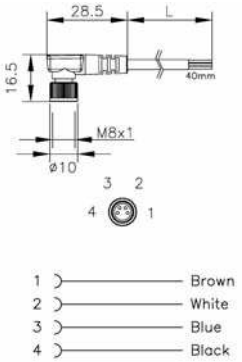
M8 Straight Female

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		E Style LF	E Style LF
Description		Non-rewireable connector, straight version with M8 locking nut, female contacts	Non-rewireable connector, straight version with M8 locking nut, female contacts
Housing colour		black	black
Type of contact		female	female
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR
Conductors specification		0,25 mm²	0,25 mm²
Cable length		2 m	2 m
Order no.		**AG08B3C25200**	**AG08B3P25200**
Other standard options	cable length 5m	order no. **AG08B3C25500**	order no. **AG08B3P25500**
	cable length 10m	order no. **AG08B3C2510X**	order no. **AG08B3P2510X**
Cable jacket colour		grey RAL7035	black
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-25°C to + 70°C	-40°C to + 80°C
	flexible application		
Drawing			
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		60 V AC/DC	60 V AC/DC
Rated current max.		3 A	3 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M8 x 1	Lock nut M8 x 1
Fixing screw torque		min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6	PA6
Housing material		TPU	TPU
Coupling nut material		CuZn Nickel plated	CuZn Nickel plated
O-Ring		Viton	Viton
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	**AG08B3C25200**	**AG08B3P25200**
	2 boxes	**AG08B3C25500**	**AG08B3P25500**
	4 boxes	**AG08B3C2510X**	**AG08B3P2510X**
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

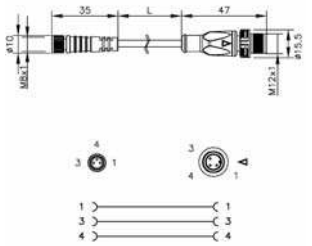
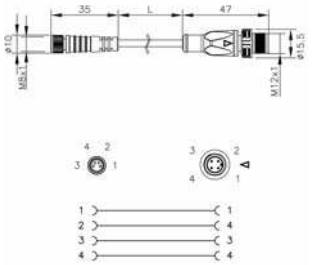
	IEC 61076-2-101	IEC 61076-2-101		
	E Style LF	E Style LF		
	Non-rewireable connector, straight version with M8 locking nut, female contacts	Non-rewireable connector, straight version with M8 locking nut, female contacts		
	black	black		
	female	female		
	4	4		
	PVC CEI 2022 II O.R.	PUR		
	0,25 mm²	0,25 mm²		
	2 m	2 m		
	AG08B4C25200	**AG08B4P25200**		
	order no. **AG08B4C25500**	order no. **AG08B4P25500**		
	order no. **AG08B4C2510X**	order no. **AG08B4P2510X**		
	grey RAL7035	black		
	brown - white - blue - black	brown - white - blue - black		
	5,0 mm	5,0 mm		
	-25°C to + 70°C	-40°C to + 80°C		
				
	1 mm	1 mm		
	30 V AC/DC	30 V AC/DC		
	3 A	3 A		
	≤ 10 mΩ	≤ 10 mΩ		
	Lock nut M8 x 1	Lock nut M8 x 1		
	min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m		
	CuSn gold plated	CuSn gold plated		
	PA6	PA6		
	TPU	TPU		
	CuZn Nickel plated	CuZn Nickel plated		
	Viton	Viton		
	IP 67	IP 67		
	3	3		
	HB	HB		
	HB	HB		
	100 pieces	100 pieces		
	AG08B4C25200	**AG08B4P25200**		
	AG08B4C25500	**AG08B4P25500**		
	AG08B4C2510X	**AG08B4P2510X**		
	10...12 Kg	10...12 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		

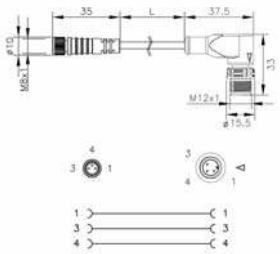
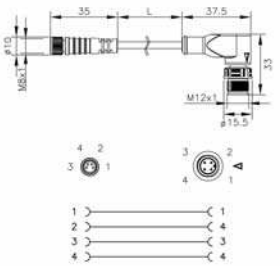
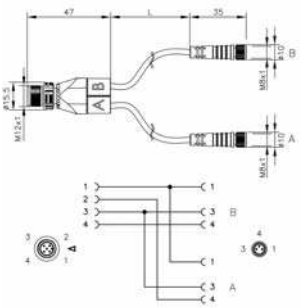
M8 Angled Female

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		E Style MF	E Style MF
Description		Non-rewireable connector, angled version with M8 locking nut, female contacts	Non-rewireable connector, angled version with M8 locking nut, female contacts
Housing colour		black	black
Type of contact		female	female
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR
Conductors specification		0,25 mm²	0,25 mm²
Cable length		2 m	2 m
Order no.		**AW08B3C25200**	**AW08B3P25200**
Other standard options	cable length 5m	order no. **AW08B3C25500**	order no. **AW08B3P25500**
	cable length 10m	order no. **AW08B3C2510X**	order no. **AW08B3P2510X**
Cable jacket colour		grey RAL7035	black
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-25°C to + 70°C	-40°C to + 80°C
	flexible application		
Drawing			
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		60 V AC/DC	60 V AC/DC
Rated current max.		3 A	3 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M8 x 1	Lock nut M8 x 1
Fixing screw torque		min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6	PA6
Housing material		TPU	TPU
Coupling nut material		CuZn Nickel plated	CuZn Nickel plated
O-Ring		Viton	Viton
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**AW08B3C25200**	**AW08B3P25200**
	2 boxes	**AW08B3C25500**	**AW08B3P25500**
	4 boxes	**AW08B3C2510X**	**AW08B3P2510X**
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

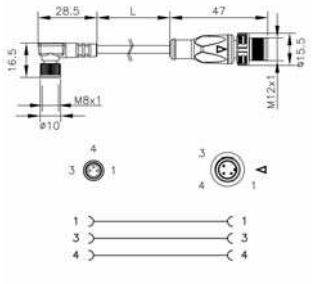
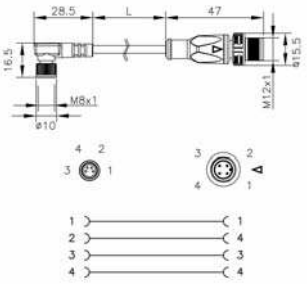
	IEC 61076-2-101	IEC 61076-2-101		
	E Style MF	E Style MF		
	Non-rewireable connector, angled version with M8 locking nut, female contacts	Non-rewireable connector, angled version with M8 locking nut, female contacts		
	black	black		
	female	female		
	4	4		
	PVC CEI 2022 II O.R.	PUR		
	0,25 mm²	0,25 mm²		
	2 m	2 m		
	AW08B4C25200	**AW08B4P25200**		
	order no. **AW08B4C25500**	order no. **AW08B4P25500**		
	order no. **AW08B4C2510X**	order no. **AW08B4P2510X**		
	grey RAL7035	black		
	brown - white - blue - black	brown - white - blue - black		
	5,0 mm	5,0 mm		
	-25°C to + 70°C	-40°C to + 80°C		
				
	1 mm	1 mm		
	30 V AC/DC	30 V AC/DC		
	3 A	3 A		
	≤ 10 mΩ	≤ 10 mΩ		
	Lock nut M8 x 1	Lock nut M8 x 1		
	min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m		
	CuSn gold plated	CuSn gold plated		
	PA6	PA6		
	TPU	TPU		
	CuZn Nickel plated	CuZn Nickel plated		
	Viton	Viton		
	IP 67	IP 67		
	3	3		
	HB	HB		
	HB	HB		
	100 pieces	100 pieces		
	AW08B4C25200	**AW08B4P25200**		
	AW08B4C25500	**AW08B4P25500**		
	AW08B4C2510X	**AW08B4P2510X**		
	10...12 Kg	10...12 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		

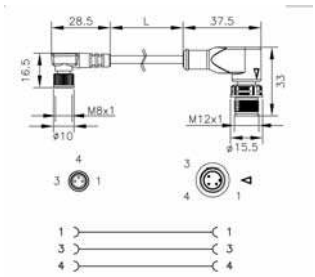
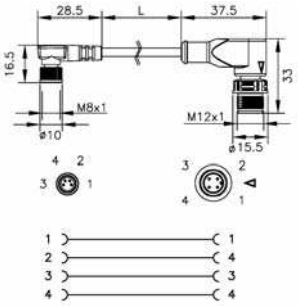
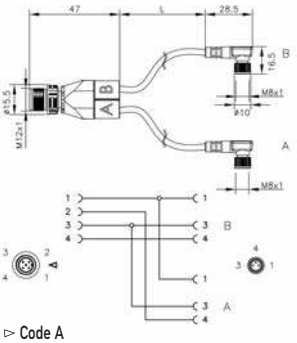
M12 / M8 Extension

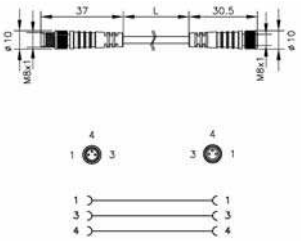
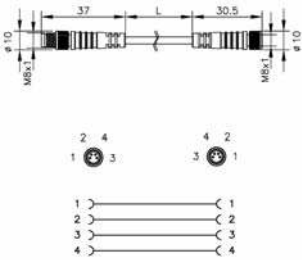
Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D LM style	D LM style
		E LF style	E LF style
Description		Non-rewireable connector with straight locking nut male (M12) and female (M8) straight version	Non-rewireable connector with straight locking nut male (M12) and female (M8) straight version
Housing colour		black	black
Type of contact		male + female	male + female
Number of contacts		3	4
Cable type		PUR	PUR
Conductor specification		0,25 mm²	0,25 mm²
Cable length		2 m	2 m
Order no.		**EG8BD2S3P25200**	**EG8BD2S4P25200**
Other standard options	cable length 1,0m	order no. **EG8BD2S3P25100**	order no. **EG8BD2S4P25100**
	cable length 0,6m		
Cable jacket colour		black	black
Conductor colours		brown - blue - black	brown - white - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application		
Drawing		 ▷ Code A	 ▷ Code A
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		60 V AC/DC	30 V AC/DC
Rated current max.		3 A	3 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M8 x 1 - M12 x 1	Lock nut M8 x 1 - M12 x 1
Fixing screw torque		M8 = 0,3-0,5 N/m-M12 = 0,5-0,8 N/m	M8 = 0,3-0,5 N/m-M12 = 0,5-0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6 black - PA6T / 61 GF blue	PA6 black - PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		CuZn Nikel plated Zamak 15 / ZnA14Cu1	CuZn Nikel plated Zamak 15 / ZnA14Cu1
O-Ring		Viton	Viton
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**EG8BD2S3P25200**	**EG8BD2S4P25200**
	1 box	**EG8BD2S3P25100**	**EG8BD2S4P25100**
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

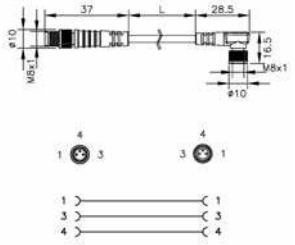
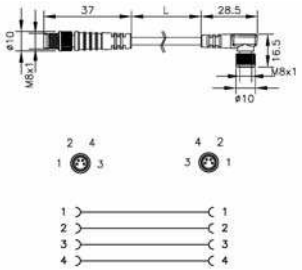
IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	
D MM style	D MM style	D LM style	
E LF style	E LF style	E LF style	
Non-rewireable connector with angled locking nut male (M12) and female (M8) straight version	Non-rewireable connector with angled locking nut male (M12) and female (M8) straight version	Non-rewireable connector with single straight locking nut male (M12 Y) and double female (M8) straight version	
black	black	black	
male + female	male + female	male + female	
3	4	3	
PUR	PUR	PUR	
0,25 mm²	0,25 mm²	0,25 mm²	
2 m	2 m	1 m	
EG8BK2S3P25200	**EG8BK2S4P25200**		
order no. **EG8BK2S3P25100**	order no. **EG8BK2S4P25100**	order no. **YG8BD2S3P25100**	
		order no. **YG8BD2S3P25060**	
black	black	black	
brown - blue - black	brown - white - blue - black	brown - blue - black	
5,0 mm	5,0 mm	5,0 mm	
-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	
 ▻ Code A	 ▻ Code A	 ▻ Code A	
1 mm	1 mm	1 mm	
60 V AC/DC	30 V AC/DC	60 V AC/DC	
3 A	3 A	3 A	
≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	
Lock nut M8 x 1 - M12 x 1	Lock nut M8 x 1 - M12 x 1	Lock nut M8 x 1 - M12 x 1	
M8 = 0,3-0,5 N/m-M12 = 0,5-0,8 N/m	M8 = 0,3-0,5 N/m-M12 = 0,5-0,8 N/m	M8 = 0,3-0,5 N/m-M12 = 0,5-0,8 N/m	
CuSn gold plated	CuSn gold plated	CuSn gold plated	
PA6 black - PA6T / 61 GF blue	PA6 black - PA6T / 61 GF blue	PA6 black - PA6T / 61 GF blue	
TPU	TPU	TPU	
CuZn Nikel plated Zamak 15 / ZnA14Cu1	CuZn Nikel plated Zamak 15 / ZnA14Cu1	CuZn Nikel plated Zamak 15 / ZnA14Cu1	
Viton	Viton	Viton	
IP 67	IP 67	IP 67	
3	3	3	
HB	HB	HB	
HB	HB	HB	
100 pieces	100 pieces	100 pieces	
EG8BK2S3P25200	**EG8BK2S4P25200**	**YG8BD2S3P25100**	
EG8BK2S3P25100	**EG8BK2S4P25100**	**YG8BD2S3P25060**	
10...12 Kg	10...12 Kg	10...12 Kg	
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	

M12 / M8 Extension

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D LM style	D LM style
		E MF style	E MF style
Description		Non-rewireable connector with straight locking nut male (M12) and female (M8) angled version	Non-rewireable connector with straight locking nut male (M12) and female (M8) angled version
Housing colour		black	black
Type of contact		male + female	male + female
Number of contacts		3	4
Cable type		PUR	PUR
Conductor specification		0,25 mm²	0,25 mm²
Cable length		2 m	2 m
Order no.		**EW8BD2S3P25200**	**EW8BD2S4P25200**
Other standard options	cable length 1,0m	order no. **EW8BD2S3P25100**	order no. **EW8BD2S4P25100**
	cable length 0,6m		
Cable jacket colour		black	black
Conductor colours		brown - blue - black	brown - white - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application		
Drawing		 ▷ Code A	 ▷ Code A
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		60 V AC/DC	30 V AC/DC
Rated current max.		3 A	3 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M8 x 1 - M12 x 1	Lock nut M8 x 1 - M12 x 1
Fixing screw torque		M8= 0,3-0,5 N/m - M12= 0,5-0,8 N/m	M8= 0,3-0,5 N/m - M12= 0,5-0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6 black - PA6T / 61 GF blue	PA6 black - PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		CuZn Nikel plated-Zamak 15 / ZnA14Cu1	CuZn Nikel plated-Zamak 15 / ZnA14Cu1
O-Ring		Viton	Viton
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**EW8BD2S3P25200**	**EW8BD2S4P25200**
	1 box	**EW8BD2S3P25100**	**EW8BD2S4P25100**
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	
	D MM style	D MM style	D LM style	
	E MF style	E MF style	E MF style	
	Non-rewireable connector with angled locking nut male (M12) and female (M8) angled version	Non-rewireable connector with angled locking nut male (M12) and female (M8) angled version	Non-rewireable connector with single straight locking nut male (M12 Y) and double female (M8) angled version	
	black	black	black	
	male + female	male + female	male + female	
	3	4	3	
	PUR	PUR	PUR	
	0,25 mm²	0,25 mm²	0,25 mm²	
	2 m	2 m	1 m	
	EW8BK2S3P25200	**EW8BK2S4P25200**		
	order no. **EW8BK2S3P25100**	order no. **EW8BK2S4P25100**	order no. **YW8BD2S3P25100**	
			order no. **YW8BD2S3P25060**	
	black	black	black	
	brown - blue - black	brown - white - blue - black	brown - blue - black	
	5,0 mm	5,0 mm	5,0 mm	
	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	
	 ▷ Code A	 ▷ Code A	 ▷ Code A	
	1 mm	1 mm	1 mm	
	60 V AC/DC	30 V AC/DC	60 V AC/DC	
	3 A	3 A	3 A	
	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	
	Lock nut M8 x 1 - M12 x 1	Lock nut M8 x 1 - M12 x 1	Lock nut M8 x 1 - M12 x 1	
	M8= 0,3-0,5 N/m - M12= 0,5-0,8 N/m	M8= 0,3-0,5 N/m - M12= 0,5-0,8 N/m	M8= 0,3-0,5 N/m - M12= 0,5-0,8 N/m	
	CuSn gold plated	CuSn gold plated	CuSn gold plated	
	PA6 black - PA6T / 61 GF blue	PA6 black - PA6T / 61 GF blue	PA6 black - PA6T / 61 GF blue	
	TPU	TPU	TPU	
	CuZn Nikel plated-Zamak 15 / ZnA14Cu1	CuZn Nikel plated-Zamak 15 / ZnA14Cu1	CuZn Nikel plated-Zamak 15/ZnA14Cu1	
	Viton	Viton	Viton	
	IP 67	IP 67	IP 67	
	3	3	3	
	HB	HB	HB	
	HB	HB	HB	
	100 pieces	100 pieces	100 pieces	
	EW8BK2S3P25200	**EW8BK2S4P25200**	**YW8BD2S3P25100**	
	EW8BK2S3P25100	**EW8BK2S4P25100**	**YW8BD2S3P25060**	
	10...12 Kg	10...12 Kg	10...12 Kg	
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		E LM and E LF style	E LM and LF style
Description		Non-rewireable connector with M8 locking nut male and female straight version	Non-rewireable connector with M8 locking nut male and female straight version
Housing colour		black	black
Type of contact		male + female	male + female
Number of contacts		3	4
Cable type		PUR	PUR
Conductor specification		0,25 mm²	0,25 mm²
Cable length		2 m	2 m
Order no.		**EG8BG8S3P25200**	**EG8BG8S4P25200**
Other standard options	cable length 1,0m	order no. **EG8BG8S3P25100**	order no. **EG8BG8S4P25100**
Cable jacket colour		black	black
Conductor colours		brown - white - blue	brown - white - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-40°C to + 80°C static	-40°C to + 80°C static
	flexible application		
Drawing			
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		60 V AC/DC	30 V AC/DC
Rated current max.		3 A	3 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M8 x 1	Lock nut M8 x 1
Fixing screw torque		min. 0,3; max. 0,5 N/m	min. 0,3; max. 0,5 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6 black	PA6 black
Housing material		TPU	TPU
Coupling nut material		CuZn Nikel plated	CuZn Nikel plated
O-Ring		Viton	Viton
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	**EG8BG8S3P25200**	**EG8BG8S4P25200**
	1 box	**EG8BG8S3P25100**	**EG8BG8S4P25100**
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 171-175			

	IEC 61076-2-101	IEC 61076-2-101		
	E LM and MF style	E LM and MF style		
	Non-rewireable connector with M8 straight locking nut male and female angled version	Non-rewireable connector with M8 straight locking nut male and female angled version		
	black	black		
	male + female	male + female		
	3	4		
	PUR	PUR		
	0,25 mm²	0,25 mm²		
	2 m	2 m		
	EW8BG8S3P25200	**EW8BG8S4P25200**		
	order no. **EW8BG8S3P25100**	order no. **EW8BG8S4P25100**		
	black	black		
	brown - white - blue	brown - white - blue - black		
	5,0 mm	5,0 mm		
	-40°C to + 80°C static	-40°C to + 80°C static		
				
	1 mm	1 mm		
	60 V AC/DC	30 V AC/DC		
	3 A	3 A		
	≤ 10 mΩ	≤ 10 mΩ		
	Lock nut M8 x 1	Lock nut M8 x 1		
	min. 0,3; max. 0,5 N/m	min. 0,3; max. 0,5 N/m		
	CuSn gold plated	CuSn gold plated		
	PA6 black	PA6 black		
	TPU	TPU		
	CuZn Nikel plated	CuZn Nikel plated		
	Viton	Viton		
	IP 67	IP 67		
	3	3		
	HB	HB		
	HB	HB		
	100 pieces	100 pieces		
	EW8BG8S3P25200	**EW8BG8S4P25200**		
	EW8BG8S3P25100	**EW8BG8S4P25100**		
	10...12 Kg	10...12 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		

CODES		PRODUCT
8KAS123		100 fixing screws for connectors M3x32,5
8KAS138		100 fixing screws for connectors M3x32,5 INOX
8KCS142		100 fixing screws for connectors M2,5x27,5
8KDS142		100 fixing screws for connectors M3x27,5
8MAS126		100 fixing screws for connectors M3x28,5
8MAS143		100 fixing screws for connectors M3x28,5 INOX
8MDS145		100 fixing screws for connectors M3x23
8MCS146		100 fixing screws for connectors M2,5x23
8BAPE34		100 fixing screws for bases M3x6
8BAF310		100 fixing screws for bases M3x10
8BBB132		100 central fixing screw M4x15,5 CuSn for bases BB
8BDF385		100 fixing screws for bases M3x8,5

Accessories

CODES		PRODUCT
8KAS124		100 gaskets for connectors P18 prof. NBR
8KAS148		100 gaskets for connectors P18 prof. Silicone
8KAS134		100 gaskets for connectors P18 flat NBR
8KAS149		100 gaskets for connectors P18 flat Silicone
8KBS154		100 gaskets for connectors P11-P10 prof. NBR
8KBS135		100 gaskets for connectors P11-P10 flat NBR
8KCS159		100 gaskets for connectors P8-P9,4 prof. NBR
8KCS160		100 gaskets for connectors P8-P9,4 flat NBR
8BAS163		100 gaskets for bases
8BDS164		100 gaskets for bases
8KAS153		o'ring IP67 for fixing screws M3
C110995		marking label for connectors
C111307		label holder for cables
C141122		locking screw per M12 receptacles M16
C141123		locking screw per M12 receptacles PG9
203151410		Pins protection cap for coils with connection B industrial
230150410		Pins protection cap for coils with connection A EN175301-803 ISO4400 (DIN 43650)

Cable type	Atam series	Features	Specifications	Min. bending radius (static application)
PVC IMQ-HAR	A...	Suitable for common applications. Low resistance to common oils	CEI 20-20 UNEL 35746 CENELEC HD21	15 x outer diameter
PVC CEI 2022 II O.R. IMQ CE	C...	Suitable for common applications in industrial automation. Moderate resistance to common oils Flame retardant according to IEC 60332-3A	CEI 20-20 UNEL 35749	10 x outer diameter
BiHF-J (Silicone)	F...	Silicone cables are used in heating appliances outstanding heat and cold resistance. Halogen free (acc. to IEC 60754-1) Flame retardant according to IEC 60332-1 + EN50265-2-1 Flexible at low temperature		4 x outer diameter
PVC	G...	Suitable for control devices, e.g. on machine tools, conveyor or assembly lines, transporting equipments. Suitable for medium mechanical stresses without tensile stress or forced movements but not suitable for open air. Extensively oil resistant Flame retardant according to IEC 60332-1		4 x outer diameter
PVC / UL-CSA	L...	UL listed and CSA certified flexible control cable rated at 600V. Used on machine tools, control systems, assembly lines. Moderate flexible application. Resistant to mineral oils and outer jacket approved to improved oil resistant test.	UL Style 2587 90°C 600V CSA AWM I/II A/B 90°C 600V	4 x outer diameter
PUR / PVC LiY11Y	P...	PUR compound jacketed cable with high resistance to minenal oils expecially suited for use in machine tool and heavy environment. Suitable for outdoor and resistant to UV radiation and hydrolysis Conditionally resistant to microbes. Flame retardant according to IEC 60332-1	2002/95/CE	10 x outer diameter

Atam code	Outer jacket specification	Outer jacket colour	Conductors colour	No. of cores x cross section (n x mm²)	Outer Ø mm.+/- 5%	Nominal voltage Uo / U	
A012	PVC H03VV-F	Black RAL 9005	br-blue	2 x 0,5	5,1	300 / 300	
A013	PVC H03VV-F	Black RAL 9005	br-blue-yellowgreen	3 G 0,5	5,5	300 / 300	
A014	PVC H03VV-F	Black RAL 9005	br-grey-black-yellowgreen	4 G 0,5	6,1	300 / 300	
A052	PVC H05VV-F	Black RAL 9005	br-blue	2 x 0,75	6,3	300 / 500	
A053	PVC H05VV-F	Black RAL 9005	br-blue-yellowgreen	3 G 0,75	6,7	300 / 500	
A054	PVC H05VV-F	Black RAL 9005	br-grey-black-yellowgreen	4 G 0,75	7,3	300 / 500	
A062	PVC H05VV-F	Black RAL 9005	br-blue	2 x 1	6,6	300 / 500	
A063	PVC H05VV-F	Black RAL 9005	br-blue-yellowgreen	3 G 1	7,0	300 / 500	
C032	PVC CEI 2022 II	Grey RAL 7035	br-blue	2 x 0,5	5,1	300 / 300	
C033	PVC CEI 2022 II	Grey RAL 7035	br-blue-yellowgreen	3 G 0,5	5,5	300 / 300	
C034	PVC CEI 2022 II	Grey RAL 7035	br-grey-black-yellowgreen	4 G 0,5	6,0	300 / 300	
C044	PVC CEI 2022 II	Grey RAL 7035	br-grey-black-yellowgreen	4 G 0,75	6,5	300 / 500	
C045	PVC CEI 2022 II	Grey RAL 7035	br-grey-black-blue-yelgre	5 G 0,75	6,8	300 / 500	
C052	PVC CEI 2022 II	Grey RAL 7035	br-blue	2 x 1	6,5	450 / 750	
C053	PVC CEI 2022 II	Grey RAL 7035	br-blue-yellowgreen	3 G 1	7,0	450 / 750	
C253	PVC CEI 2022 II	Grey RAL 7035	br-blue-black	3 x 0,25	4,5	300 / 300	
C254	PVC CEI 2022 II	Grey RAL 7035	br-blue-black-white	4 x 0,25	5,0	300 / 300	
C255	PVC CEI 2022 II	Grey RAL 7035	br-blue-black-white-grey	5 x 0,25	5,0	300 / 300	
C343	PVC CEI 2022 II	Grey RAL 7035	br-blue-black	3 x 0,34	5,0	300 / 300	
C344	PVC CEI 2022 II	Grey RAL 7035	br-blue-black-white	4 x 0,34	5,0	300 / 300	
C345	PVC CEI 2022 II	Grey RAL 7035	br-blue-black-bi-grey	5 x 0,34	5,5	300 / 300	
F053	SILICONE	Red RAL 3016	br-blue-yellowgreen	3 G 0,75	6,5	300 / 500	
G033	PVC	Grey RAL 7000	DIN VDE 0293 + HD186	3 G 0,5	5,4	300 / 500	
G034	PVC	Grey RAL 7000	DIN VDE 0293 + HD186	4 G 0,5	5,8	300 / 500	
G035	PVC	Grey RAL 7000	DIN VDE 0293 + HD186	5 G 0,5	6,5	300 / 500	
G053	PVC	Grey RAL 7000	DIN VDE 0293 + HD186	3 G 0,75	6,2	300 / 500	
G054	PVC	Grey RAL 7000	DIN VDE 0293 + HD186	4 G 0,75	6,7	300 / 500	
G055	PVC	Grey RAL 7000	DIN VDE 0293 + HD186	5 G 0,75	7,3	300 / 500	
G063	PVC	Grey RAL 7000	DIN VDE 0293 + HD186	3 x 1	6,4	300 / 500	
L082	PVC VDE UL+CSA	Grey RAL 7000	DIN VDE 0293 + HD186	2 x AWG20	5,3	VDE 300 / 500 - UL+CSA 600V	
L083	PVC VDE UL+CSA	Grey RAL 7000	DIN VDE 0293 + HD186	3 X AWG20	5,6	VDE 300 / 500 - UL+CSA 600V	
L063	PVC VDE UL+CSA	Grey RAL 7000	DIN VDE 0293 + HD186	3 X AWG18	6,4	VDE 300 / 500 - UL+CSA 600V	
P112	PUR LiY11Y	Black (matt)	br-blue	2 x 0,5	5,0	300 / 300	
P113	PUR LiY11Y	Black (matt)	br-blue-yellowgreen	3 G 0,5	5,5	300 / 300	
P114	PUR LiY11Y	Black (matt)	br-grey-black-yellowgreen	4 G 0,5	6,0	300 / 300	
P122	PUR LiY11Y	Black (matt)	br-blue	2 x 0,75	6,3	300 / 500	
P123	PUR LiY11Y	Black (matt)	br-blue-yellowgreen	3 G 0,75	6,7	300 / 500	
P253	PUR LiY11Y	Black (matt)	CENELEC HD 308 S2	3 x 0,25	4,5	300 / 300	
P254	PUR LiY11Y	Black (matt)	CENELEC HD 308 S2	4 x 0,25	5,0	300 / 300	
P255	PUR LiY11Y	Black (matt)	CENELEC HD 308 S2	5 x 0,25	5,0	300 / 300	
P343	PUR LiY11Y	Black (matt)	CENELEC HD 308 S2	3 x 0,34	5,0	300 / 300	
P344	PUR LiY11Y	Black (matt)	CENELEC HD 308 S2	4 x 0,34	5,0	300 / 300	
P345	PUR LiY11Y	Black (matt)	CENELEC HD 308 S2	5 x 0,34	5,5	300 / 300	

	Temperature range static application	Temperature flexible range application	Applicable on:				
			Connectors				
		(not continuous use)	Form A	Form B	Form C	M12	M8
	-15 + 70 °C		■	■	■		
	-15 + 70 °C		■	■	■		
	-15 + 70 °C		■		■		
	-15 + 70 °C		■	■			
	-15 + 70 °C		■	■			
	-15 + 70 °C		■				
	-15 + 70 °C		■	■			
	-15 + 70 °C		■	■			
	-15 + 70 °C		■	■	■	■	
	-15 + 70 °C		■	■	■		
	-15 + 70 °C		■		■		
	-15 + 70 °C		■				
	-15 + 70 °C		■				
	-15 + 70 °C		■	■			
	-15 + 70 °C		■	■			
	-15 + 70 °C					■	■
	-15 + 70 °C					■	■
	-15 + 70 °C					■	
	-15 + 70 °C					■	
	-15 + 70 °C					■	
	-15 + 70 °C					■	
	-40 + 180 °C		■	■			
	-30 + 70 °C	+5 + 70 °C	■	■	■		
	-30 + 70 °C	+5 + 70 °C	■		■		
	-30 + 70 °C	+5 + 70 °C	■				
	-30 + 70 °C	+5 + 70 °C	■	■			
	-30 + 70 °C	+5 + 70 °C	■				
	-30 + 70 °C	+5 + 70 °C	■				
	-30 + 70 °C	+5 + 70 °C	■	■			
	VDE -40 + 70 °C - UL+CSA up to 90° C	VDE +5 + 70 °C	■	■			
	VDE -40 + 70 °C - UL+CSA up to 90° C	VDE +5 + 70 °C	■	■			
	VDE -40 + 70 °C - UL+CSA up to 90° C	VDE +5 + 70 °C	■	■			
	-40 + 80 °C	-25 + 80 °C	■	■	■	■	
	-40 + 80 °C	-25 + 80 °C	■	■	■		
	-40 + 80 °C	-25 + 80 °C	■		■		
	-40 + 80 °C	-25 + 80 °C	■	■			
	-40 + 80 °C	-25 + 80 °C	■	■			
	-40 + 80 °C	-25 + 80 °C				■	■
	-40 + 80 °C	-25 + 80 °C				■	■
	-40 + 80 °C	-25 + 80 °C				■	
	-40 + 80 °C	-25 + 80 °C				■	
	-40 + 80 °C	-25 + 80 °C				■	
	-40 + 80 °C	-25 + 80 °C				■	

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