Solenoid valve 3/2 way N.C.
Direct acting
equipped with kit and coil Ex mb

31A3PD*V*15 ÷ 31A2PD*V*30

PRESENTATION:

Direct acting S.V. for interception of fluids compatible with the construction materials.
Minimum operational pressure is not required.
The materials used and the tests carried out ensure maximum reliability and duration.

USE: Potentially explosive atmospheres
Zone 1, 2, 21, 22

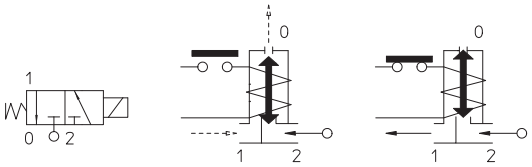
PIPES: G 1/8 - G 1/4

COIL: Series TNA - Ø 14,5
(For characteristic see catalogue page)

Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+ 80°C	Mineral oils (2°E), gasoline gas oil, fuel oils (7°E)
F=H-NBR (hydrogenated nitrile)	- 20°C	+ 80°C	Air, inert gas, water R 134a, R 404a

For seals other than FKM replace the letter "**V**" with the ones corresponding to the other seals. E.I. 31A2PD***F***15.



Pipe ISO 228/1	Code	Max viscosity		Ø	Kv	Power	Pressure		
							min	M.O.P.D.	
		cSt	°E	mm	l/mn	watt	bar	AC bar	DC bar
G 1/8	31A3PD***V***15	12	~ 2	1,5*	1,2	(See TNA coils catalogue page)	0	15	15
	31A3PD***V***20	37	~ 5	2*	2			10	10
	31A3PD***V***25	53	~ 7	2,5*	3			6	6
	31A3PD***V***30			3*	3,5			5	5
G 1/4	31A2PD***V***15	12	~ 2	1,5*	1,2			15	15
	31A2PD***V***20	37	~ 5	2*	2			10	10
	31A2PD***V***25	53	~ 7	2,5*	3			6	6
	31A2PD***V***30			3*	3,5			5	5

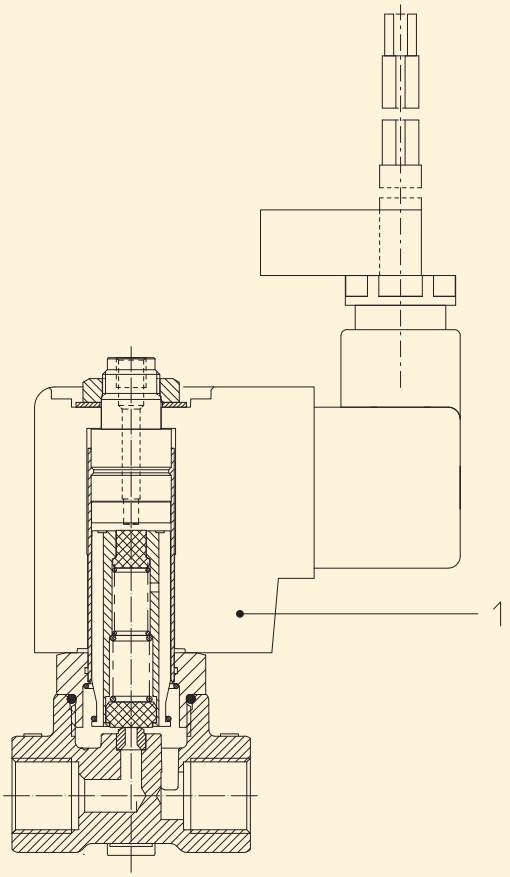
The product is assembled, with coil separate certification and characterized by the following marking.

Compliant with ATEX Directive 2014/34/EU

II 2G Ex mb IIC T4 Gb
II 2D Ex mb tb IIIC T130°C Db

Note
* 3rd way exhaust= Ø 3 mm | Available on request and with minimum quantities.

The "ODE " reserves the right to carry out technical and aesthetic modifications without prior notice.



MATERIALS:

Body	Brass - UNI EN 12165 CW617N
Armature tube	Stainless steel AISI series 300
Fixed core	Stainless steel AISI series 400
Plunger	Stainless steel AISI series 400
Phase displacement ring	Copper - Cu 99,9%
Spring	Stainless steel AISI series 300
Seal	Standard: V=FKM On request: F=H-NBR
Orifice	Stainless steel AISI series 300

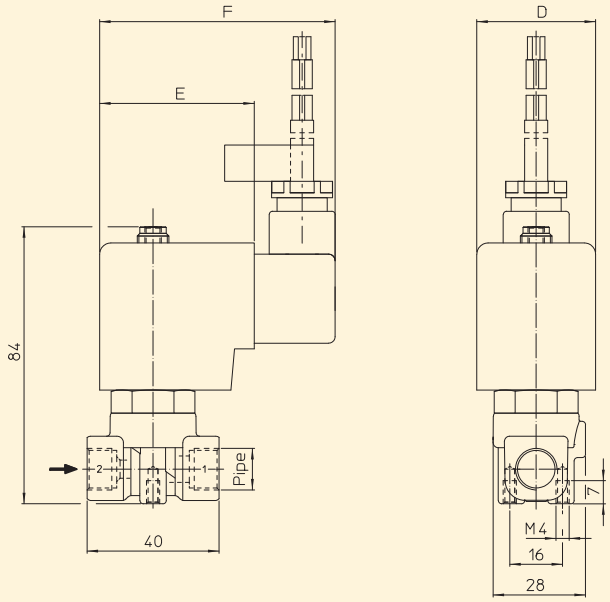
FEATURES:

Protection degree	IP 65 EN 60529 (DIN 40050)

SPARE PARTS:

1. **Coil:**
   See TNA coils list

DIMENSIONS:



Type	Pipe ISO 228/1
31A3PD**V**	G 1/8
31A2PD**V**	G 1/4

COIL TYPE	DIMENSIONS		
	D mm	E mm	F mm
T	36	47	76