

CETOP-03 EXPLOSION-PROOF VALVE ACCORDING TO ATEX / 2014/34/UE

Characteristics

Type	Max pressure	Recommended max flow	Weight
DED- 03/06	350 bar	50 l/min	2.5 Kg.
DED- 03/07			3.5 Kg.

Description

Cetop-03, direct-operated solenoid valves. This valve is used for safe operation in hazardous environments with potentially explosive atmosphere. The solenoid satisfies ATEX requirements:

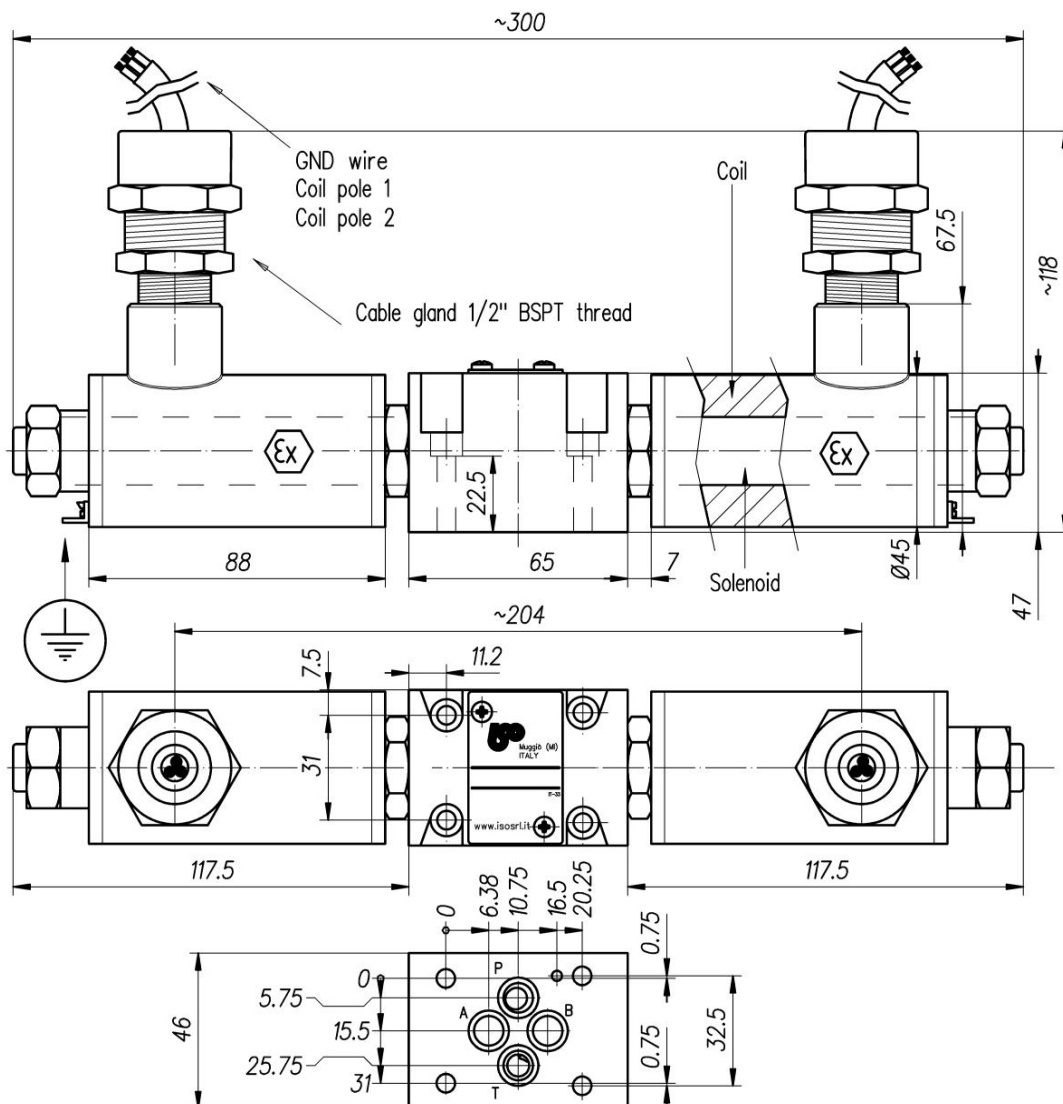
- II 2G Ex DB IIC T6/T5 Gb
- II 2D Ex Tb IIIC T85°C/T100°C Db IP66/67
- Exdb I Mb

And it's conform to :

- EN 60079-0:2012 +A11:2013
- EN 60079-1:2014
- EN60079-31:2014

The flameproof solenoid can limit its surface temperature, preventing any accidental spark from igniting any combustible gas, vapours or particulates in the surrounding environment. In the meanwhile it contains any internal explosion caused by accidental presence of gas inside its housing.

Dimensions

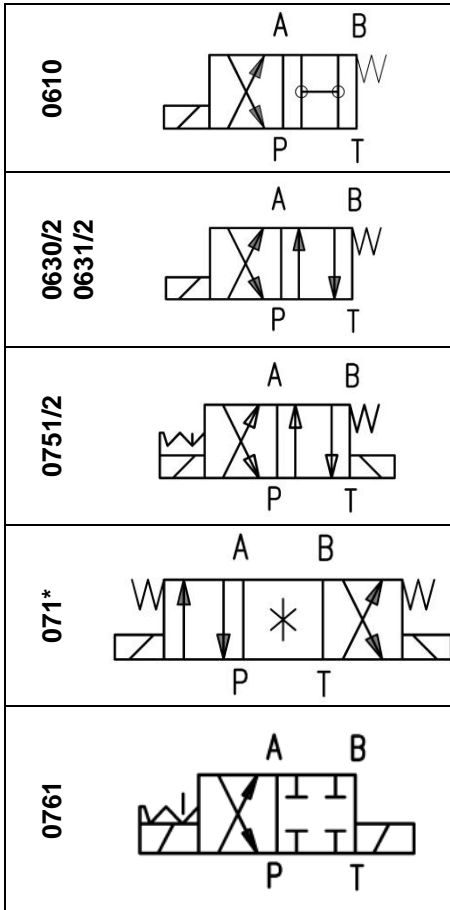


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Diagram

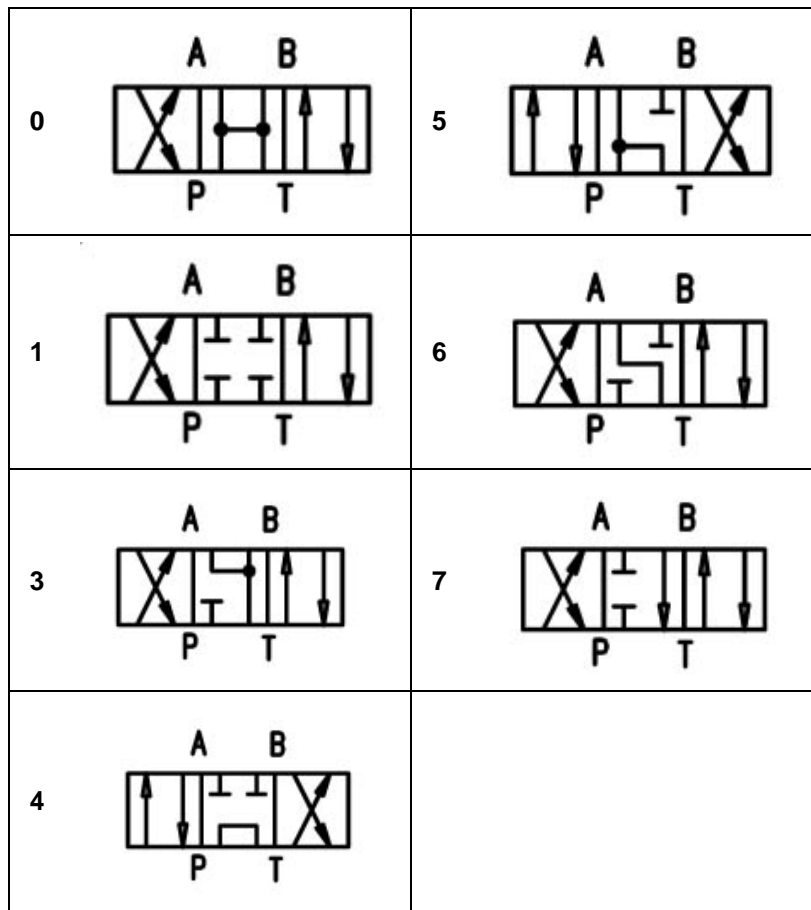
“A” TABLE

Configuration



“B” TABLE

Spool type



Electrical characteristics

Protection class IEC 144 norms	IP-67 H class
Fire-retardant power supply cable L=3000 mm	CEI 20-22

Installation rules

- DED-03 solenoid valves can be mounted in any position
- Fluid to be used: hydraulic oil in compliance with DIN 51524, viscosity between 30 e 100 mm²/s (cSt) at 40°C
- Recommended filtration: 25μ
- Hydraulic fluid temperature: from -20° to +75°C
- Ambient temperature: from -20° to +40° C

Ordering code

DED-03	-	*	-	*	-	*	24DC	*
			Supply voltage				110 DC	3 meters standard (other lengths on request : L1,5 = 1,5 m)
							110/50 AC	(Omitted if standard)
							220/50 AC	
			Type of spool (see table B) (only for type 071*)					
			Configuration (see table A)					
			Solenoid valve with explosion proof solenoid					