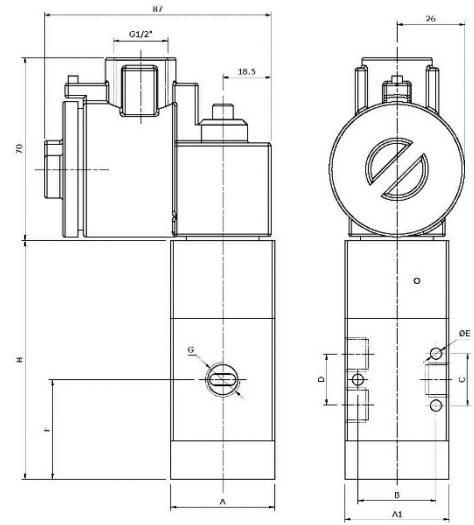




**DESCRIPTION**

Flameproof solenoid valve suitable for Zones 1 and 2, manufactured in accordance with the requirements of the European harmonized standards EN/IEC60079-0, EN/IEC60079-1 and EN/IEC60079-31. Covered by Certificate of Conformity BAS No. BASEEFA06ATEX0037, category Exd IIB +H2 T3 to T6 and BASEEFA06ATEX0123, category Exd IIC T3 to T6. Wire terminal. 3/2 way pilot operated solenoid valve normally close or normally open. Suitable for instrument air Material, Aluminum, brass or stainless steel body. Mountable in any position.

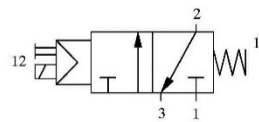
**DIMENSION mm**



**ELECTRICAL INFORMATION**

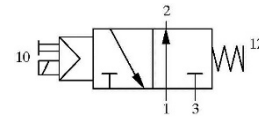
- M20 x 1.5 conduit entry or 1/2" NPT
- Protection class IP66 according to ENBS60529
- Connection by 2-pole 2.5mm<sup>2</sup> terminal strip + earth
- Continuously rated
- Maximum permitted voltage variation ±10%
- Internal and external earthing connection screw
- Low power consumption
- Wide range of voltages available
- BASEEFA approvals available - ATEX, IECEx, GOST CU TR, NEPSI
- Voltage Standard: 24, 110, 220, 240 AC /24, 48DC
- Voltage Tolerance: ±10%
- Protection class: IP66
- Duty Cycle: 100%
- Electrical Connection: Junction Box with M20 or 1/2" NPT Conduit Entry
- Ambient Temperature: DC (-60 to +80°C), AC (-60 to +55°C)
- Power Consumption: DC (3W or 1.3W), AC (Pull In - 10VA, Holding - 5VA)
- Magnetic Wire: Class H Coated Copper
- Coil case: Stainless Steel Epoxy Powder Coated as standard

**OPERATION**



**Normally closed**

- In: 1
- Out: 2
- Vent: 3
- Coil de-energized: Input 1 closed From 2 to vent 3
- Coil energized: From 1 to 2 Vent 3 closed



**Normally open**

- In: 1
- Out: 2
- Vent: 3
- Coil de-energized: From 1 to 2 Vent 3 closed
- Coil energized: From 2 to vent 3 Input 1 closed

**SPECIFICATIONS AND DIMENTIONS**

Port size	Orifice diameter mm	Nominal air flow (NI/min)	Working pressure	Weight Kg.	Dimension (mm)									
					A	A1	B	C	D	E	F	G	H	
1/4"	8	1080	2.5~10 bar	Aluminum: Brass: Stainless steel:	40	40	30	20	19.5	4.2	38	1/4"	92	
3/8"	15	3500	2.5~10 bar	Aluminum: Brass: Stainless steel:	60	40	50	40	40	5.5	52	3/8"	128	
1/2"	15	3500	2.5~10 bar	Aluminum: Brass: Stainless steel:	60	40	50	40	40	5.5	52	1/2"	128	

**SELECTION CODE:**

Size	Body material	Port size	Seals material	Protection class	Option feature	Voltage
<b>B14X</b> (1/4")	<b>A.</b> Aluminum	<b>C.</b> 1/4" GAS <b>D.</b> 1/4"NPT	<b>0.</b> FPM	<b>B.</b> Exd IIB T6 (Coil case: Black)	<b>0.</b> Without manual operator	<b>1.</b> 12DC
<b>B38X</b> (3/8")	<b>B.</b> Brass	<b>E.</b> 3/8" GAS <b>T.</b> 3/8"NPT	<b>1.</b> NBR	<b>C.</b> Exd IIC T6 (Coil case: Red)	<b>1.</b> With manual operator	<b>2.</b> 24DC
<b>B12X</b> (1/2")	<b>I.</b> Stainless steel	<b>F.</b> 1/2" GAS <b>G.</b> 1/2"NPT	<b>2.</b> HNBR			<b>3.</b> 48DC
						<b>4.</b> 24AC
						<b>5.</b> 110AC
						<b>6.</b> 220AC

**TEMPERATURE**

Temperature rating	Voltage	Rating	Max. Ambient Temp.
T6	DC	3W	40°C
T4	AC	9.5va	40°C
T5	DC	3W	55°C
T3	AC	9.5va	55°C
T4	DC	3W	65°C
T4	DC	3W	80°C

**FLAMEPROOF SAFETY**

Flameproof equipment is used extensively to prevent possible overheating or sparking of electrical equipment causing ignition in a potentially explosive atmosphere.

In the case of a solenoid the coil is enclosed in a robust enclosure which will contain an internal explosion should it occur and prevent its transmission to the surrounding atmosphere.

All construction joints in the enclosure are known as flame paths which prevent the transmission of a flame from within the enclosure to the outside atmosphere.

**CABLE GLANDS AND CABLE**

Cable Glands 2nd Field wiring must be of a certified type and the cabling methods used must be suitable for the conditions of use. (EN/IEC60079-14)

Sealing of the gland thread is not a requirement of the approval but thread sealant or sealing washers may be used to maintain the IP rating of the enclosure. (EN/IEC60079-14)