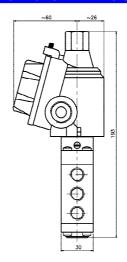


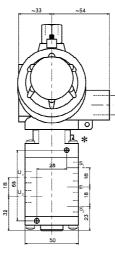
FIVE WAY PILOT OPERATED SOLENOID VALVE

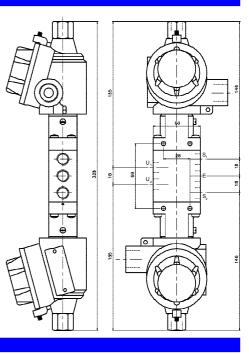
BD03.Ex / D05.Ex D07.Ex / D09.Ex

GENERAL DESCRIPTION / APPLICATIONS / DIMENSIONS (millimeters)









Five way solenoid valve, pilot operated, two and three positions, monostabile or bistable

Suitable for gaseous media. Model for liquid media available upon request

Stainless steel internal parts. Stainless steel spring.

Stainless steel internal parts. Stainless steel springs. 360° degrees orientable solenoid. Mountable in any position.

ELECTRICAL SPECIFICATIONS

Light alloy explosion-proof "Ex-d" (EN60079-1) solenoid housing. Electrical and mechanical parts certified according to 2014/34/UE ("ATEX") directive, suitable to control the flow of inert and/or flammable gases or liquids. Internaland external anti-twist ground connecting screws. Inside terminal board suitable for cable up to 2,5 mm².

cable entry threaded: 1/2" Gk UNI-6125 (standard)

1/2" NPT, ISO M20x1.5 (available upon request)

protection class: IP-67

Ex protection class: Ex-d II 1G/2GDc (IIB o IIC) Temperature class:

T6 or T5 (t.amb -20 \div +40 °C) T5 or T4 (t.amb -20 \div +60 °C) upon request. T5 or T4 (t.amb -60 \div +60 °C) upon request $_{(1)}$

F (155°C) - H (180°C) upon request. Coil insulation class:

Winding wire class: H (180°C).

Duty: Continuous (S.I.) 100% ED

Power consumption: Alternate current 11VA (inrush 28VA). Direct current 11W

Tolleranza tensione:

± 10% (standard) others available upon request

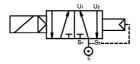
Voltage tolerance: ± 10% >1000 MOhm Insulation: Dielectrical Strength: >2000 V/13

Standard voltages 12, 24, 48, 110, 115, 125, 220, 240 Volt DC=(2) o AC~(50/60Hz):

other voltages available upon request.

OPERATION

Optional Manual Operator





D03.D - Single solenoid Monostable

Coil de-energized: from E to U1. from U2 to S2 Coil energized: from E to U2. from U1 to S1.

D05.D - Double solenoid Bistable

Coil 1 energized: from E to U1. from U2 to S2. Coil 2 energized: from E to U2 from U1 to S1

Coils de-energized: Latched on the last position.

D07.D - Double solenoid Bistable, closed centers.

Coil 1 energized: from E to U1. from U2 to S2 Coil 2 energized: from E to U2 from U1 to S1

E, U1, U2, S1, S2 closed

D09.D - Double solenoid Bistable, open centers.

Coil 1 energized: from F to U1 from U2 to S2. Coil 2 energized: from E to U2

Coils de-energized: from U1 to S1 from U2 to S2

SPECIFICATIONS AND AVAILABLE OPTIONS

MODEL						ORIFICE		PRESSURES IN BAR ₍₃₎			Flow factor kv	WEIGHT Kg.
						DIAMETER	BODY	Y MIN./MAX. OPERATING DIFFERENTIAL PRESSURE				
á	a		b	С	d e	mm	RATING	MIN.	MAX. AC~	MAX. DC=	(liters/min.')	119.
D 0 3		7 0				7	10	3	10	10	12.5	1.2
D 0 5		7 0				7	10	3	10	10	12.5	1.5
D 0 7		7 0				7	10	3	10	10	12.5	1.5
D 0 9	T	7 0				7	10	3	10	10	12.5	1.5

suffix (options available upon request): (1) "/LT" (low t.amb. certificate), (2) "/V" (spike suppressor), (3) "/AP" (High pressure version)- (4) "/H2O" (for water).

	a Body material	b Port size	C Seals material	d Protection class	e Optional features
v. W1- ENG 2016	T Brass. N Nickel-plated brass. Stainless steel.	© 1/4" GAS D 1/4" NPT	O Buna N T FPM T HNBR	B Ex-d IIB C Ex-d IIC	X Stable Manual operator.

Le caratteristiche possono subire variazioni senza preavviso / Characteristics may change without notice.