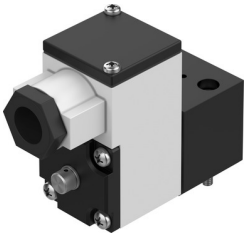
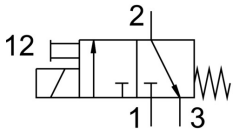
Pilot valve
MGXIAH-3/2-0.8-24DC-EX

Part number: 535614





Data sheet

Feature	Value
Valve function	3/2, closed, monostable
Actuation type	Electrical
Operating pressure	-0.09 MPa ... 0.8 MPa
Operating pressure	-0.9 bar ... 8 bar
Operating pressure	-13.05 psi ... 116 psi
Structural design	Shut off valve
Reset method	Mechanical spring
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Explosion protection certification outside the EU	EPL Da (IEC-EX) EPL Ga (IEC-EX)
Certificate issuing authority	ATEX: CML 17 ATEX 2046X CCC-Ex: 2020322307001726 IEC: IECEx CML 17.0030X
ATEX category gas	II 1G
ATEX category for dust	II 1D
Type of ignition protection for gas	ATEX: Ex ia IIC T6...T5 Ga CCC-Ex: Ex ia IIC T5/T6 Ga
Type of (ignition) protection for dust	CCC-Ex: Ex iaD 20 T135°C ATEX: Ex ia IIIB T135°C Da
Explosive ambient temperature	ATEX: -40°C <= Ta <= +65°C CCC-Ex: -40°C <= Ta <= 50°C/65°C
Degree of protection	IP65
Type code	MGXIAH
Manual override	Detenting
Flow direction	Non-reversible
Symbol	00991308
Duty cycle	100%
Insulation class	H
Max. input power Pi	-40°C ~+65°C T135°C = 2.98W -40°C ~+50°C T6 = 2.98W -40°C ~+65°C T5 = 2.98W -40°C ~+65°C T6 = 1W
Max. input voltage Vi	31 V
Max. input current Ii	0.67 A
Coil characteristics	24 V DC: 1.5 W
Effective internal inductance Li	Negligibly low
Effective internal capacitance Ci	Negligibly low
Permissible frequency fluctuations	+/- 10%

Feature	Value
Explosion prevention and protection	Zone 0 (ATEX) Zone 1 (ATEX) Zone 2 (ATEX) Zone 20 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 0 (IEC-EX) Zone 20 (IEC-EX) Class I, Div. 2 (US) Zone 0 (ATEX)
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Ambient temperature	-20 °C ... 80 °C
Type of mounting	CNOMO
Note on materials	Contains paint-wetting impairment substances RoHS-compliant