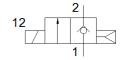
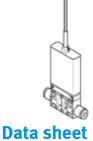
Solenoid valve MHJ10-S-2,5-QS-1/4-HF/LP-U

Part number: 567800







Feature Valve function 2/2 closed, monostable Type of actuation electrical Width 10 mm Standard nominal flow rate 160 l/min Operating pressure MPa 0.05 ... 0.4 MPa Working pressure 0.5 ... 4 bar Design structure Poppet valve without spring return Type of reset Air spring Protection class IP55 Authorization CE symbol (see declaration of conformity) according to EU-EMV guideline in accordance with EU RoHS directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Grid dimension 10.5 mm Note on operation Power supply unit must be able to supply at least 1.7 A without voltage Do not operate without flow For block mounting with flow, max. ambient temperature 45°C. Sealing principle Hard Assembly position Any Manual override None Type of piloting direct Flow direction non reversible Polarity protected for operating voltage Additional functions Spark arresting Reduction of holding current with energy recovery Safety shut-off b value 0.36 0.66 l/sbar C value 500 Hz Maximum switching frequency Switching time on at 0.4 MPa (4 bar, 58 psi) and 24 V in new condition 1 ms Switching time off at 0.4 MPa (4 bar, 58 psi) and 24 V in new condition 0.5 ms Switching time on at 0.05 MPa (0.5 bar, 7.25 psi) and 24 V in new condition Switching time off at 0.05 MPa (0.5 bar, 7.25 psi) and 24 V in new condition 0.6 ms Tolerance for Switching time OFF +15 %/-25 % Tolerance for Switching time ON +/-15 % Operating voltage range DC 21.6 ... 26.4 V Input resistance 34 kOhm Duty cycle 100 % Characteristic coil data 24 V DC: low-current phase 2 W, high-current phase 7 W Trigger signal range DC 3 ... 30 V Note on feeder current Linear rise 0.09 - 0.44 mA with a trigger signal of 3 - 15 V

0.44-15.44 mA with a trigger signal of 15-30 V

Permissible voltage fluctuation



Feature	Value
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation not possible
Restriction ambient and medium temperature	related to switching frequency
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
Storage temperature	-20 50 °C
Max. permissible solenoid surface temperature	120 °C
Medium temperature	-5 60 °C
Ambient temperature	-5 60 °C
Product weight	85 g
Electrical connection	3-core
	Cable
Cable length	2.5 m
Mounting type	Line installation
	with through hole
	Optional
Pneumatic connection, port 1	QS-1/4
Pneumatic connection, port 2	QS-1/4
Materials note	Conforms to RoHS
Material seals	HNBR
Material housing	PA-reinforced
	PPS-reinforced
Material cable sheath	PUR
Material screws	Steel