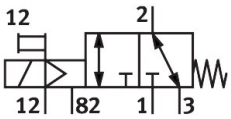
Air solenoid valve
MFH-3-1/8-S-NPT

Part number: 10872





Data sheet

Feature	Value
Valve function	3/2-way, closed, monostable
Actuation type	Electrical
Width	26 mm
Normal nominal flow rate (normalized to DIN 1343)	500 l/min
Pneumatic working port	1/8 NPT
Operating voltage	Via solenoid coil, to be ordered separately
Operating pressure	-0.095 MPa...1 MPa -0.95 bar...10 bar
Structural design	Plate seat
Reset method	Mechanical spring
Certification	c UL us - recognized (OL)
Degree of protection	IP65
Nominal width	5 mm
Width dimension	27 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Type of control	Piloted
Pilot air supply port	External
Flow direction	Reversible
Lap	Negative overlap
Pilot pressure MPa	0.1 MPa...0.8 MPa
Pilot pressure	1 bar...8 bar
Switching time off	33 ms
On switching time	9 ms
Max. positive test pulse with 0 signal	2200 µs
Max. negative test pulse on 1 signal	3700 µs
Coil characteristics	See solenoid coil, to be ordered separately
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)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L

Feature	Value
Storage temperature	-20 °C...60 °C
Temperature of medium	-10 °C...60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...40 °C
Product weight	240 g
Electrical connection	Via F coil, to be ordered separately
Type of mounting	Alternatively: On terminal strip With through-hole
Pilot exhaust air port 84	M5
Pilot air port 12	10-32 UNF-2B
Pneumatic connection 1	1/8 NPT
Pneumatic connection 11	1/8 NPT
Pneumatic connection 2	1/8 NPT
Pneumatic connection 3	1/8 NPT
Note on materials	RoHS compliant
Seals material	NBR
Housing material	Die-cast aluminum