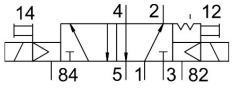
Air solenoid valve
JMFH-5-1/2

Part number: 10166





Data sheet

Feature	Value
Valve function	5/2-way, bistable
Actuation type	Electrical
Width	52 mm
Normal nominal flow rate (normalized to DIN 1343)	4500 l/min
Pneumatic working port	G1/2
Operating voltage	Via solenoid coil, to be ordered separately
Operating pressure	0.2 MPa...0.8 MPa 2 bar...8 bar
Structural design	Plate seat
Certification	c UL us - recognized (OL)
Degree of protection	IP65
Nominal width	14 mm
Width dimension	69 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting
Type of control	Piloted
Flow direction	Non-reversible
Lap	Negative overlap
b-value	0.3
C value	19.5 l/sbar
Max. switching frequency	25 Hz
Changeover time	20 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-B1/B2-L
Storage temperature	-20 °C...60 °C

Feature	Value
Temperature of medium	-10 °C...60 °C
Ambient temperature	-5 °C...40 °C
Product weight	1210 g
Electrical connection	Via F coil, to be ordered separately
Type of mounting	Alternatively: On terminal strip With through-hole
Pilot exhaust air port 82	M5
Pilot exhaust air port 84	M5
Pneumatic connection 1	G1/2
Pneumatic connection 2	G1/2
Pneumatic connection 3	G1/2
Pneumatic connection 4	G1/2
Pneumatic connection 5	G1/2
Note on materials	RoHS compliant
Seals material	NBR TPE-U(PU)
Housing material	Die-cast aluminum