

solenoid valve

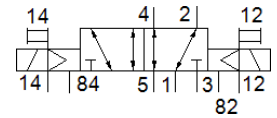
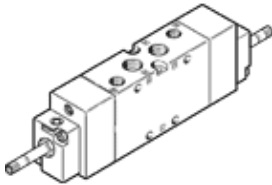
JMFH-5-1/4-S-B

Part number: 19790
Classic - do not use for new projects

FESTO

With manual overrides, without solenoid coils or sockets. Solenoid coils and sockets should be ordered separately.

Modern alternatives can be found by entering the first four characters of the type code in the search field.



Data sheet

Feature	Value
Valve function	5/2 bistable
Type of actuation	electrical
Width	32 mm
Standard nominal flow rate	1,600 l/min
Operating pressure MPa	-0.09 ... 1 MPa
Operating pressure	-0.9 ... 10 bar
Design structure	Piston slide
Nominal size	10 mm
Grid dimension	33 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	Pushing
Type of piloting	Piloted
Pilot air supply	external
Flow direction	reversible
Overlap	Positive overlap
Pilot pressure MPa	0.2 ... 1 MPa
Pilot pressure	2 ... 10 bar
b value	0.38
C value	6.35 l/sbar
Max. switching frequency	3 Hz
Switching time reversal	14 ms
Max. positive test pulse with logic 0	2,200 µs
Max. negative test pulse with logic 1	3,700 µs
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Storage temperature	-40 ... 60 °C
Medium temperature	-10 ... 60 °C
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 ... 40 °C
Product weight	460 g
Electrical connection	Via F coil, must be ordered separately
Mounting type	On PR manifold with through hole Optional
Auxiliary pilot air port 12	G1/8
Auxiliary pilot air port 14	G1/8

Feature	Value
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5
Pilot air port 12	G1/8
Pilot air port 14	G1/8
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Pneumatic connection, port 4	G1/4
Pneumatic connection, port 5	G1/4
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminium die cast