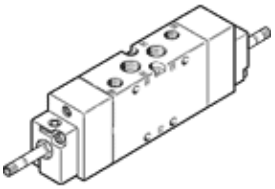
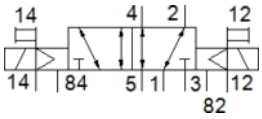
Solenoid valve
JMFH-5-1/4-S-B

Part number: 19790

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





Data sheet

Feature	values
Valve function	5/2 bistable
Type of actuation	electrical
Width	32 mm
Standard nominal flow rate	1,600 l/min
Working 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
Freedom from overlap	Yes
Note on forced dynamisation	Switching frequency at least once a week
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
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	Optional On PR manifold with through hole
Auxiliary pilot air port 12	G1/8
Auxiliary pilot air port 14	G1/8
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5
Pilot air port 12	G1/8
Pilot air port 14	G1/8

Feature	values
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
Materials information for seals	NBR
Materials information, housing	Aluminum die cast