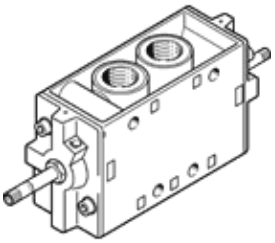
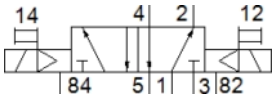
Solenoid valve
JMFH-5-1/2

Part number: 10166

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	52 mm
Standard nominal flow rate	4,500 l/min
Working pressure	2 ... 8 bar
Design structure	Poppet seat
Protection class	IP65
Nominal size	14 mm
Grid dimension	69 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	detenting
Type of piloting	Piloted
Flow direction	non reversible
Freedom from overlap	No
Note on forced dynamisation	Switching frequency at least once a week
b value	0.3
C value	19.5 l/sbar
Max. switching frequency	25 Hz
Switching time reversal	20 ms
Max. positive test pulse with logic 0	2,200 µs
Max. negative test pulse with logic 1	3,700 µs
Characteristic coil data	See solenoid coil, to be ordered separately
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	-20 ... 60 °C
Medium temperature	-10 ... 60 °C
Ambient temperature	-5 ... 40 °C
Product weight	1,210 g
Electrical connection	Via F coil, must be ordered separately
Mounting type	Optional on manifold rail with through hole
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5
Pneumatic connection, port 1	G1/2
Pneumatic connection, port 2	G1/2
Pneumatic connection, port 3	G1/2
Pneumatic connection, port 4	G1/2
Pneumatic connection, port 5	G1/2
Materials note	Conforms to RoHS
Materials information for seals	NBR TPE-U(PU)
Materials information, housing	Aluminum die cast