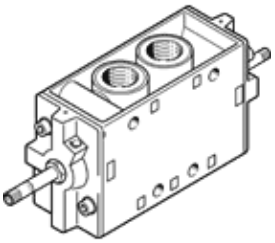
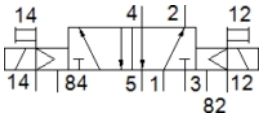
Solenoid valve
JMFH-5-1/2-S-EX

Part number: 535917

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	0 ... 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
Pilot air supply	external
Flow direction	non reversible
Freedom from overlap	No
Note on forced dynamisation	Switching frequency at least once a week
Pilot pressure	1 ... 8 bar
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
ATEX category Gas	II 2G
Explosion ignition protection type Gas	c T4
ATEX category Dust	II 2D
Explosion ignition protection type Dust	c 130°C
Explosion-proof ambient temperature	-5°C <= Ta <= +40°C
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)
CE symbol (see declaration of conformity)	according to EU-Ex protection guideline (ATEX)
Corrosion resistance classification CRC	1
Storage temperature	-20 ... 60 °C
Medium temperature	-5 ... 40 °C
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 ... 40 °C
Product weight	1,210 g
Electrical connection	Via F coil, must be ordered separately
Mounting type	Optional

Feature	values
	on manifold rail with through hole
Auxiliary pilot air port 12	G1/8
Auxiliary pilot air port 14	G1/8
Scavenging orifice connection	M5
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