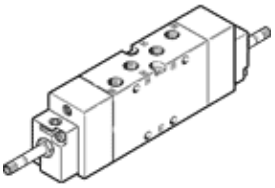
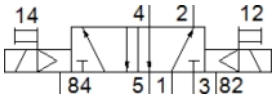
Solenoid valve
JMFH-5-1/8-B-EX

Part number: 535930

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	26 mm
Standard nominal flow rate	1,000 l/min
Working pressure	2 ... 10 bar
Design structure	Piston slide
Protection class	IP65
Nominal size	8 mm
Grid dimension	27 mm
Sealing principle	soft
Assembly position	Any
Manual override	Pushing
Type of piloting	Piloted
Pilot air supply	Internal
Flow direction	non reversible
Freedom from overlap	Yes
Note on forced dynamisation	Switching frequency at least once a week
Switching position indicator	Yes
Max. switching frequency	3 Hz
Switching time reversal	12 ms
Max. positive test pulse with logic 0	2,200 µs
Max. negative test pulse with logic 1	3,700 µs
ATEX category Gas	II 2G
Explosion ignition protection type Gas	c T4
ATEX category Dust	II 2D
Explosion ignition protection type Dust	c T130°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	-40 ... 60 °C
Medium temperature	-5 ... 40 °C
Ambient temperature	-5 ... 40 °C
Product weight	440 g
Electrical connection	Via F coil, must be ordered separately
Mounting type	with through hole
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8

Feature	values
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	G1/8
Materials note	Conforms to RoHS
Materials information for seals	NBR
Materials information, housing	Aluminum die cast