

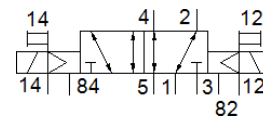
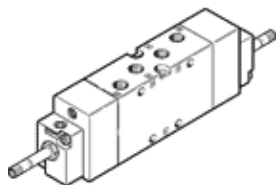
solenoid valve

JMFH-5-1/8-S-B-EX

Part number: 535933

FESTO

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



Data sheet

Feature	Value
Valve function	5/2 bistable
Type of actuation	electrical
Width	26 mm
Standard nominal flow rate	1,000 l/min
Operating pressure	-0.9 ... 10 bar
Design structure	Piston slide
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
ATEX category Gas	II 2G
ATEX category Dust	II 2D
Explosion ignition protection type Gas	Ex h IIC T4 Gb
Explosion ignition protection type Dust	Ex h IIIC T130°C Db
Explosion-proof ambient temperature	-5 °C ≤ Ta ≤ +40 °C
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	external
Flow direction	reversible
Overlap	Positive overlap
Pilot pressure	2 ... 10 bar
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
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
Storage temperature	-40 ... 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	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
Pilot air port 12	G1/8
Pilot air port 14	G1/8
Pneumatic connection, port 1	G1/8

Feature	Value
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	G1/8
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminium die cast