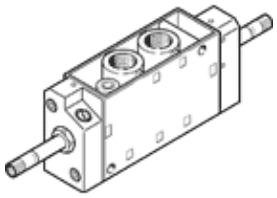
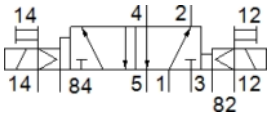
Solenoid valve
JMFDH-5-1/4-EX

Part number: 536194

With manual override. Without sockets.





Data sheet

Feature	values
Valve function	5/2 bistable-dominant
Type of actuation	electrical
Width	30.5 mm
Valve size	30.5 mm
Standard nominal flow rate	1,100 l/min
Working pressure	2.5 ... 8 bar
Design structure	Poppet seat
Protection class	IP65
Nominal size	7 mm
Grid dimension	32 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
Max. switching frequency	16 Hz
Switching time reversal	16 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
Ambient temperature	-5 ... 40 °C
Product weight	530 g
Electrical connection	Via F coil, must be ordered separately
Mounting type	Optional on manifold rail with through hole
Scavenging orifice connection	M5
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5

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 TPE-U(PU)
Materials information, housing	Aluminum die cast