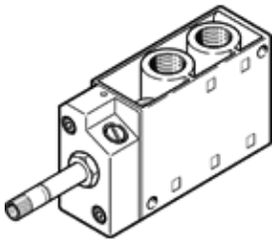
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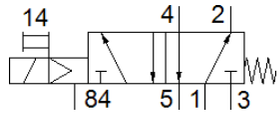
solenoid valve
MFH-5-1/4-EX

Part number: 535907

FESTO

With manual override, without solenoid coil or socket. Solenoid coil and socket should be ordered separately.





Data sheet

Feature	Value
Valve function	5/2 monostable
Type of actuation	electrical
Width	30.5 mm
Standard nominal flow rate	1,000 l/min
Operating pressure	2.2 ... 8 bar
Design structure	Poppet seat
Type of reset	mechanical spring
Authorisation	c UL us - Recognized (OL)
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	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
Overlap	Underlap
b value	0.19
C value	4.49 l/sbar
Switching time off	29 ms
Switching time on	9 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 - Low corrosion stress
Storage temperature	-20 ... 60 °C
Medium temperature	-5 ... 40 °C
Ambient temperature	-5 ... 40 °C
Product weight	290 g
Electrical connection	Via F coil, must be ordered separately
Mounting type	Optional on manifold rail with through hole

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Feature	Value
Scavenging orifice connection	M5
Pilot exhaust port 84	M5
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
Material seals	NBR
Material housing	Aluminium die cast