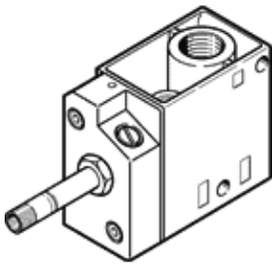
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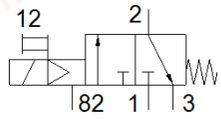
solenoid valve
MFH-3-1/4-EX

Part number: 535898

FESTO

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





Data sheet

Feature	Value
Valve function	3/2 closed, monostable
Type of actuation	electrical
Width	30.5 mm
Standard nominal flow rate	800 l/min
Operating pressure	1.5 ... 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
Switching time off	29 ms
Switching time on	10 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	320 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

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Feature	Value
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminium die cast