

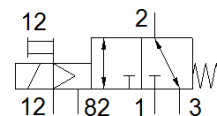
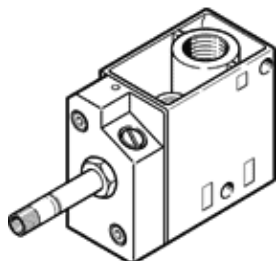
solenoid valve

MFH-3-1/4-S-EX

Part number: 535901

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 | -0.95 ... 10 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 |
| Pilot air supply | external |
| Flow direction | reversible |
| Overlap | Underlap |
| Pilot pressure | 1 ... 8 bar |
| 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 |
| Pilot medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Ambient temperature | -5 ... 40 °C |
| Product weight | 320 g |
| Electrical connection | Via F coil, must be ordered separately |
| Mounting type | Optional on manifold rail |

| Feature | Value |
|-------------------------------|--------------------|
| | with through hole |
| Scavenging orifice connection | M5 |
| Pilot exhaust port 82 | M5 |
| Pilot air port 12 | M5 |
| 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 |