

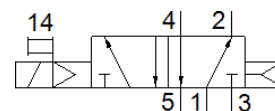
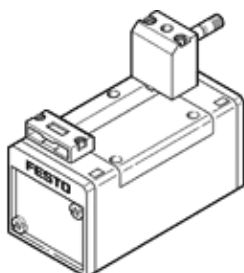
solenoid valve

MFH-5/2-D-2-C-EX

Part number: 535955

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 | 54 mm |
| Standard nominal flow rate | 2,300 l/min |
| Operating pressure | 2 ... 10 bar |
| Design structure | Piston slide |
| Type of reset | Air spring |
| 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 T105°C Db |
| Explosion-proof ambient temperature | -5°C ≤ Ta ≤ +40°C |
| Protection class | IP65 |
| Nominal size | 11.5 mm |
| Grid dimension | 56 mm |
| Exhaust-air function | throttleable |
| Sealing principle | soft |
| Assembly position | Any |
| Conforms to standard | ISO 5599-1 |
| Manual override | with accessories, detenting Pushing |
| ISO code | 251 |
| Type of piloting | Piloted |
| Pilot air supply | Internal |
| Flow direction | non reversible |
| Overlap | Positive overlap |
| Switching time off | 71 ms |
| Switching time on | 48 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) |
| Vibration resistance | Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 |
| Medium temperature | -10 ... 60 °C |
| Sound pressure level | 85 dB(A) |
| Ambient temperature | -5 ... 40 °C |
| Product weight | 650 g |
| Electrical connection | Via F coil, must be ordered separately |

| Feature | Value |
|------------------------------|--|
| Mounting type | On sub-base With through-hole and screw |
| Pilot exhaust port 84 | M5 |
| Pneumatic connection, port 1 | Connection plate size 2 as per ISO 5599-1 |
| Pneumatic connection, port 2 | Connection plate size 2 as per ISO 5599-1 |
| Pneumatic connection, port 3 | Connection plate size 2 as per ISO 5599-1 |
| Pneumatic connection, port 4 | Connection plate size 2 as per ISO 5599-1 |
| Pneumatic connection, port 5 | Connection plate size 2 as per ISO 5599-1 |
| Materials note | Conforms to RoHS |
| Material seals | HNBR NBR |
| Material housing | Aluminium die cast |