

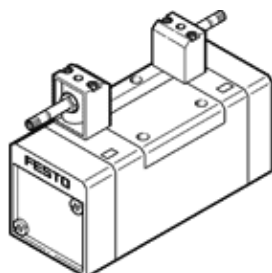
solenoid valve

MFH-5/3G-D-3-S-C-EX

Part number: 535974

FESTO

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



Data sheet

| Feature | Value |
|---|--|
| Valve function | 5/3 closed |
| Type of actuation | electrical |
| Width | 65 mm |
| Standard nominal flow rate | 4,100 l/min |
| Operating pressure | -0.9 ... 16 bar |
| Design structure | Piston slide |
| Type of reset | mechanical 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 | 14.5 mm |
| Grid dimension | 71 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 | 369 |
| Type of piloting | Piloted |
| Pilot air supply | external |
| Flow direction | reversible |
| Overlap | Positive overlap |
| Pilot pressure | 3 ... 10 bar |
| Switching time off | 77 ms |
| Switching time on | 36 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) |
| Pilot medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Ambient temperature | -5 ... 40 °C |

| Feature | Value |
|------------------------------|--|
| Product weight | 1,040 g |
| Electrical connection | Via F coil, must be ordered separately |
| Mounting type | On sub-base With through-hole and screw |
| Pilot exhaust port 82 | M5 |
| Pilot exhaust port 84 | M5 |
| Pilot air port 12 | Connection plate size 3 as per ISO 5599-1 |
| Pilot air port 14 | Connection plate size 3 as per ISO 5599-1 |
| Pneumatic connection, port 1 | Connection plate size 3 as per ISO 5599-1 |
| Pneumatic connection, port 2 | Connection plate size 3 as per ISO 5599-1 |
| Pneumatic connection, port 3 | Connection plate size 3 as per ISO 5599-1 |
| Pneumatic connection, port 4 | Connection plate size 3 as per ISO 5599-1 |
| Pneumatic connection, port 5 | Connection plate size 3 as per ISO 5599-1 |
| Materials note | Conforms to RoHS |
| Material seals | HNBR NBR |
| Material housing | Aluminium die cast |