

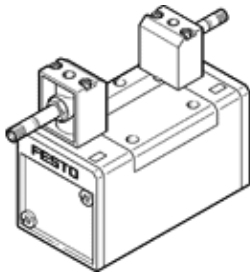
solenoid valve

JMFDH-5/2-D-1-C-EX

Part number: 536071

FESTO

With manual override.



Data sheet

| Feature | Value |
|---|--|
| Valve function | 5/2 bistable-dominant |
| Type of actuation | electrical |
| Width | 42 mm |
| Standard nominal flow rate | 1,200 l/min |
| Operating pressure | 2 ... 10 bar |
| Design structure | Piston slide |
| CE mark (see declaration of conformity) | to EU directive explosion protection (ATEX) |
| UKCA marking (see declaration of conformity) | To UK EX instructions |
| 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 |
| Explosion protection certification outside the EU | EPL Db (GB) EPL Gb (GB) |
| Protection class | IP65 |
| Nominal size | 8 mm |
| Grid dimension | 43 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 | 169 |
| Type of piloting | Piloted |
| Pilot air supply | Internal |
| Flow direction | non reversible |
| Overlap | Positive overlap |
| Switching time reversal | 16 ms |
| Switching time reversal (dominating) | 13 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 with severity level 1 as per 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 |
| PWIS conformity | VDMA24364-B1/B2-L |
| Medium temperature | -5 ... 40 °C |
| Sound pressure level | 85 dB(A) |
| Pilot medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |

| Feature | Value |
|------------------------------|---|
| Ambient temperature | -5 ... 40 °C |
| Product weight | 490 g |
| Electrical connection | Via F coil, must be ordered separately |
| Mounting type | On sub-base with through hole |
| Pilot air port 12 | Connection plate size 1 as per ISO 5599-1 |
| Pilot air port 14 | Connection plate size 1 as per ISO 5599-1 |
| Pneumatic connection, port 1 | Connection plate size 1 as per ISO 5599-1 |
| Pneumatic connection, port 2 | Connection plate size 1 as per ISO 5599-1 |
| Pneumatic connection, port 3 | Connection plate size 1 as per ISO 5599-1 |
| Pneumatic connection, port 4 | Connection plate size 1 as per ISO 5599-1 |
| Pneumatic connection, port 5 | Connection plate size 1 as per ISO 5599-1 |
| Materials note | Conforms to RoHS |
| Material seals | HNBR NBR |
| Material housing | Aluminium die cast |