

solenoid valve

MHE3-M1H-3/20-1/8-K

Part number: 525168

FESTO

with cable



Data sheet

| Feature | Value |
|---|--|
| Valve function | 3/2 open, monostable |
| Type of actuation | electrical |
| Width | 14 mm |
| Standard nominal flow rate | 200 l/min |
| Operating pressure | -0.9 ... 8 bar |
| Design structure | Pressure-relieved poppet valve |
| Type of reset | mechanical spring |
| Protection class | IP65 |
| Authorisation | c UL us - Recognized (OL) |
| Nominal size | 3 mm |
| Grid dimension | 19 mm |
| Exhaust-air function | throttleable |
| Sealing principle | soft |
| Assembly position | Any |
| Manual override | Pushing |
| Type of piloting | direct |
| Flow direction | reversible with restrictions |
| Overlap | Underlap |
| Operating pressure, reversible | -0.9 ... 1 bar |
| Maximum switching frequency | 130 Hz |
| Switching time off | 4.5 ms |
| Switching time on | 8.3 ms |
| Duty cycle | 100 % |
| Characteristic coil data | 24 V DC: 3.7 W |
| Permissible voltage fluctuation | +/- 10 % |
| 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 2 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 |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| Medium temperature | -5 ... 60 °C |
| Ambient temperature | -5 ... 60 °C |
| Product weight | 120 g |
| Electrical connection | Cable |
| Cable length | 2.5 m |
| Mounting type | with through hole |
| Pneumatic connection, 11 | G1/8 |
| Pneumatic connection, port 2 | G1/8 |
| Pneumatic connection, 33 | G1/8 |
| Materials note | Free of copper and PTFE Conforms to RoHS |

| Feature | Value |
|-----------------------|----------------------------|
| Material seals | HNBR NBR |
| Material housing | Zinc die-casting coated |
| Material cable sheath | PUR |
| Material screws | Steel Galvanised |