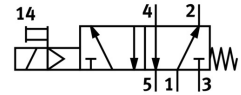


Air solenoid valve MFH-5-1/8-24-EX

Part number: 541653

FESTO



[General operating condition](#)

Data sheet

| Feature | Value |
|---|--|
| Valve function | 5/2, closed, monostable |
| Actuation type | Electrical |
| Width | 70.5 mm |
| Standard nominal flow rate | 500 l/min |
| Pneumatic working port | G1/8 |
| Operating voltage | 24V DC |
| Operating pressure | 0.18 MPa ... 0.8 MPa |
| Operating pressure | 1.8 bar ... 8 bar |
| Reset method | Mechanical spring |
| Explosion protection certification outside the EU | Class I, Div. 1 (US) Class I, Div. 2 (US) Class II, Div. 1 (US) Class II, Div. 2 (US) Class III, Div. 1 (US) Class III, Div. 2 (US) EPL Gb (US) EPL Gc (US) |
| Certificate issuing authority | FM 3026030 |
| Degree of protection | IP65 |
| Nominal width | 5 mm |
| Exhaust air function | With flow control option |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Detenting |
| Type of control | Pilot-controlled |
| Flow direction | Non-reversible |
| Symbol | 00991003 |
| Lap | Underlap |
| Switching time off | 36 ms |
| On switching time | 10 ms |
| Coil characteristics | 24 V DC: 4.6 W |
| Explosion prevention and protection | Class I, Div. 1 (US) Class I, Div. 2 (US) Class II, Div. 1 (US) Class II, Div. 2 (US) Class III, Div. 1 (US) Class III, Div. 2 (US) Zone 1 (US) Zone 2 (US) |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |

| Feature | Value |
|--|--|
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| Temperature of medium | -5 °C ... 40 °C |
| Ambient temperature | -5 °C ... 40 °C |
| Product weight | 420 g |
| Type of mounting | With through-hole |
| Venting hole connection | Internal |
| Pilot exhaust air port 84 | M5 |
| Pneumatic connection 1 | G1/8 |
| Pneumatic connection 2 | G1/8 |
| Pneumatic connection 3 | G1/8 |
| Pneumatic connection 4 | G1/8 |
| Pneumatic connection 5 | G1/8 |
| Seals material | NBR PU |
| Housing material | Die-cast aluminum Anodized |