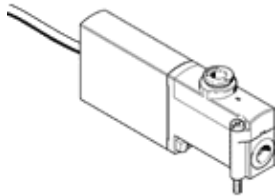# solenoid valve
# MHP3-MS1H-3/2G-QS-6-K
Part number: 525145

**FESTO**

individual valve, fast switching, with cable.

# Data sheet

| Feature | values |
|---|---|
| Valve function | 3/2 closed, 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 | RCM Mark<br>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 |
| Polarity protected | Bipolar |
| Additional functions | Spark arresting<br>Reduction of holding current<br>Protective circuit |
| Operating pressure, reversible | -0.9 ... 0 bar |
| Maximum switching frequency | 280 Hz |
| Switching time off | 2.8 ms |
| Switching time on | 2.3 ms |
| Tolerance for Switching time OFF | +10%/-50% |
| Tolerance for Switching time ON | +10%/-30% |
| Measuring of the switching time at 1 Hz and above | 0.2 ms |
| Duty cycle | 100% |
| Characteristic coil data | 24 V DC: low-current phase 1.6 W, high-current phase 6.5 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) |
| CE mark (see declaration of conformity) | to EU directive for EMC |
| Restriction ambient and medium temperature | related to switching frequency |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| Medium temperature | -5 ... 40 °C |
| Ambient temperature | -5 ... 40 °C |
| Product weight | 120 g |
| Electrical connection | Cable |
| Cable length | 2.5 m |
| Mounting type | On PR manifold |

| Feature | values |
|---|---|
| Pneumatic connection, port 1 | Sub-base |
| Pneumatic connection, port 2 | QS-6 |
| Pneumatic connection, port 3 | Sub-base |
| Materials note | Free of copper and PTFE |
| | Conforms to RoHS |
| Materials information for seals | HNBR |
| | NBR |
| Materials information, housing | Zinc die-casting |
| | coated |
| Materials information, cable sheaths | PUR |
| Screw material data | Steel |
| | Galvanised |