

Soft start/quick exhaust valve MS6-SV-1/2-C-10V24P

Part number: 589250

FESTO



 General operating condition

Data sheet

| Feature | Value |
|---|--|
| Series | MS |
| Size | 6 |
| Width dimension | 62 mm |
| Safety function | Exhausting Prevention of unexpected start-up (pressurization) |
| Performance Level (PL) | Exhaust/category 1, performance level c Avoidance of unexpected start-up (pressurization)/category 1, performance level c |
| Note on forced dynamization | Switching frequency at least once a month |
| Structural design | Piston gate valve |
| Lap | Positive overlap |
| Actuation type | Electrical |
| Pilot air supply port | Internal |
| Sealing principle | Soft |
| Exhaust air function | Cannot be throttled |
| Manual override | At pilot control air solenoid valve: non-detenting, detenting, at soft start/quick exhaust valve: detenting, self-resetting |
| Reset method | Mechanical spring |
| Type of control | Piloted |
| Symbol | 00995813 |
| Valve function | 3/2-way, closed, monostable Pressurization function |
| Operating pressure | 0.3 MPa ... 1 MPa |
| Operating pressure | 3 bar ... 10 bar |
| C value | 23.2 l/sbar |
| b-value | 0.4 |
| Normal nominal flow rate (normalized to DIN 1343) | 5700 l/min |
| Standard flow rate exhaust 6-> 0 bar | 7600 l/min |
| Switching time off | 65 ms |
| On switching time | 370 ms |
| Duty cycle | 100% |
| Coil characteristics | 24 V DC: 1.8 W |
| Permissible voltage fluctuations | +/- 10% |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |

| Feature | Value |
|--|--|
| Note on materials | RoHS compliant |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Degree of protection | IP65 With plug socket |
| Temperature of medium | 0 °C ... 60 °C |
| Ambient temperature | 0 °C ... 60 °C |
| Storage temperature | -10 °C ... 60 °C |
| Shock resistance | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 |
| Vibration resistance | Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 |
| CE marking (see declaration of conformity) | As per EU EMC directive as per EU machinery directive As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for machines To UK RoHS instructions |
| For use in the food industry | See supplementary material information |
| Type of mounting | Alternatively: In-line installation With accessories |
| Mounting position | Any |
| Product weight | 886 g |
| Pneumatic connection 1 | G1/2 |
| Pneumatic connection 2 | G1/2 |
| Pneumatic connection 3 | G3/4 |
| Electrical connection | 4-pin As per IEC 61076-2-101 |
| Housing material | Die-cast aluminum |
| Seals material | NBR |
| Piston rod material | high-alloy stainless steel |