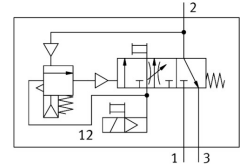


# Soft start/quick exhaust valve MS6-SV-1/2-C-10V24-S

Part number: 8001469

**FESTO**



 General operating condition

## Data sheet

| Feature                                  | Value                                                                                                                        |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Series                                   | MS                                                                                                                           |
| Size                                     | 6                                                                                                                            |
| Width dimension                          | 62 mm                                                                                                                        |
| Safety function                          | Exhausting<br>Prevention of unexpected start-up (pressurization)                                                             |
| Performance Level (PL)                   | Exhaust/category 1, performance level c<br>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                                      | Overlap                                                                                                                      |
| Actuation type                           | Electrical                                                                                                                   |
| Pilot air supply port                    | Internal                                                                                                                     |
| Sealing principle                        | Soft                                                                                                                         |
| Exhaust air function                     | Without flow control option                                                                                                  |
| Manual override                          | At pilot control air solenoid valve: non-detenting, at soft start/quick exhaust valve: detenting, self-resetting             |
| Reset method                             | Mechanical spring                                                                                                            |
| Type of control                          | Pilot-controlled                                                                                                             |
| Symbol                                   | 00995813                                                                                                                     |
| Valve function                           | Pressure build-up function                                                                                                   |
| Operating pressure                       | 0.3 MPa ... 1 MPa                                                                                                            |
| Operating pressure                       | 3 bar ... 10 bar                                                                                                             |
| C value                                  | 23.2 l/sbar                                                                                                                  |
| b-value                                  | 0.4                                                                                                                          |
| Standard nominal flow rate               | 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                                                                                                |
| Note on materials                        | RoHS-compliant                                                                                                               |

| Feature                                      | Value                                                                                    |
|----------------------------------------------|------------------------------------------------------------------------------------------|
| LABS (PWIS) conformity                       | VDMA24364-B1/B2-L                                                                        |
| Degree of protection                         | IP65<br>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<br>as per EU machinery directive<br>As per EU RoHS directive     |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK instructions for machines<br>To UK RoHS instructions |
| For use in the food industry                 | See supplementary material information                                                   |
| Type of mounting                             | With accessories                                                                         |
| Mounting position                            | Any                                                                                      |
| Product weight                               | 1006 g                                                                                   |
| Pneumatic connection 1                       | G1/2                                                                                     |
| Pneumatic connection 2                       | G1/2                                                                                     |
| Pneumatic connection 3                       | G3/4                                                                                     |
| Electrical connection                        | 2-pin<br>Form C<br>Plug<br>as per EN 175301-803                                          |
| Housing material                             | Die-cast aluminum                                                                        |
| Seals material                               | NBR                                                                                      |
| Piston rod material                          | High-alloy stainless steel                                                               |