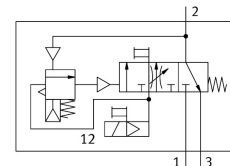


# Soft start/quick exhaust valve MS6-SV-1/2-C-10V24-S-AD7

Part number: 817 2785

**FESTO**



## 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                                               | Positive overlap                                                                                                             |
| Actuation type                                    | Electrical                                                                                                                   |
| Pilot air supply port                             | Internal                                                                                                                     |
| Sealing principle                                 | Soft                                                                                                                         |
| Exhaust air function                              | Cannot be throttled                                                                                                          |
| Conforms to standard                              | DIN EN ISO 13849-1<br>DIN EN ISO 13849-2                                                                                     |
| 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                                   | Piloted                                                                                                                      |
| Valve function                                    | 3/2-way, closed, monostable<br>Pressurization function                                                                       |
| Operating pressure                                | 0.3 MPa...1 MPa<br>3 bar...10 bar                                                                                            |
| Pressure gauge                                    | with pressure sensor with switching indicator                                                                                |
| 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%                                                                                                                         |

| Feature                                      | Value                                                                                    |
|----------------------------------------------|------------------------------------------------------------------------------------------|
| 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                                                                           |
| LABS (PWIS) conformity                       | VDMA24364-B1/B2-L                                                                        |
| Degree of protection                         | IP65<br>With plug socket                                                                 |
| 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                             | Alternatively:<br>In-line installation<br>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>Type C<br>Plug<br>As per EN 175301-803                                          |
| Housing material                             | Die-cast aluminum                                                                        |
| Seals material                               | NBR                                                                                      |
| Piston rod material                          | high-alloy stainless steel                                                               |