



## Soft start/quick exhaust

### valve □MS6-SV-1/2-C-10V24-S

URL:<https://www.sxplc.com/soft-start-quick-exhaust-valve-ms6-sv-1-2-c-10v24-s>

## Product data sheet

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| • <b>Series</b> MS   |
| • <b>Size</b> 6  |
| • <b>Width dimension</b> 62 mm   |
| • <b>Safety function</b> Exhausting Prevention of unexpected start-up (pressurization)   |
| • <b>Performance Level (PL)</b> Exhaust/category 1, performance level c<br>Avoidance of unexpected start-up (pressurization)/category 1, performance level c |
| • <b>Note on forced dynamization</b> Switching frequency at least once a month   |
| • <b>Structural design</b> Piston gate valve   |
| • <b>Lap</b> Overlap   |
| • <b>Actuation type</b> Electrical   |
| • <b>Pilot air supply port</b> 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**3/2, closed, monostable 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
- **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 EMC To UK instructions for machines To UK RoHS instructions
- **For use in the food industry**See supplementary material information
- **Type of mounting**Optionally: Line installation 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 Form C Plug as per EN 175301-803
- **Housing material**Die-cast aluminum

- **Seals material**NBR
  - **Piston rod material**High-alloy stainless steel
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