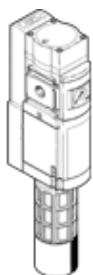


# soft-start/quick exhaust valve

## MS6-SV-1/2-E-10V24-SO-A4-MP1-WPB-UL1

Part number: 611497

FESTO



### Data sheet

Feature	Value
Series	MS
Size	6
Grid dimension	62 mm
Safety function	Exhausting Prevention of unexpected start-up (pressurisation)
Safety Integrity Level (SIL)	Exhausting / SIL 3 Prevention of unexpected start-up (pressurisation)/SIL 3
Performance level (PL)	Vent/up to Category 4, PL e Prevention of unexpected start-up (pressurisation)/up to category 4, Performance Level e
Note on forced dynamisation	Switching frequency min. 1/month
Design structure	Piston seat
Freedom from overlap	No
Type of actuation	electrical
Pilot air supply	Internal
Sealing principle	soft
Exhaust-air function	not throttleable
Position sensing principle	Solenoid actuator principle
Conforms to standard	DIN EN ISO 13849-1
Manual override	None
Type of reset	mechanical spring
Type of piloting	Piloted
Valve function	3/2 closed, monostable Pressure build-up function
Operating pressure MPa	0.35 ... 1 MPa
Operating pressure	3.5 ... 10 bar
Pressure gauge	Prepared for G1/4
C value	19.3 l/sbar
b value	0.21
Standard nominal flow rate	4,300 l/min
Standard flow rate exhaust 0.6->0 MPa (6->0 bar, 87->0 psi)	9,000 l/min
Max. switching frequency	0.5 Hz
Switching time off	40 ms
Switching time on	130 ms
Duty cycle	100 %
Signal status display	LED Floating contact
Nominal operating voltage DC	24 V
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)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Materials note	Conforms to RoHS
PWIS conformity	VDMA24364-B1/B2-L
Sound pressure level	75 dB(A)

<b>Feature</b>	<b>Value</b>
Protection class	IP65 with plug socket
Medium temperature	-10 ... 50 °C
Ambient temperature	-10 ... 50 °C
Storage temperature	-10 ... 50 °C
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
Authorisation	c UL us - Recognized (OL)
KC mark	KC-EMV
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive for machinery
Certificate issuing department	IFA 1001180
Mounting type	Line installation with accessories Optional
Assembly position	Any
Product weight	2,210 g
Pressure gauge connection	G1/4
Pneumatic connection, port 1	G1/2
Pneumatic connection, port 2	G1/2
Pneumatic connection, port 3	G1
Electrical connection	9-pin Sub-D
Material housing	Aluminium die cast
Material seals	NBR
Material piston rod	High alloy steel, non-corrosive