



soft-start/quick exhaust valve

MS6-SV-1/2-E-10V24-AD1

URL:<https://www.sxplc.com/soft-start-quick-exhaust-valve-ms6-sv-1-2-e-10v24-ad1>

Product 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	3.5 ... 10 bar
Pressure gauge	with pressure sensor
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

