

Soft-start valve VABF-S6-1-P5A4-N12-4-1-N

Part number: 558234

FESTO



[PDF General operating condition](#)

Data sheet

Feature	Value
Max. positive test pulse with 0 signal	2500 µs
Max. negative test pulse on 1 signal	1400 µs
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Based on norm	ISO 5599-2
Actuation type	Electrical
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Self-resetting via electrical control signal
Structural design	Piston gate valve
Reset method	Mechanical spring
Type of control	Pilot-controlled
Pilot air supply port	Internal
Flow direction	Non-reversible
Symbol	00995782
Valve function	Pressure build-up function
Switching element function	N/O contact
Lap	Underlap
Note on forced dynamization	Switching frequency at least once a month
Switching position sensing	Switching position with sensor
Operating pressure	0.2 MPa ... 1.2 MPa
Operating pressure	2 bar ... 12 bar
Switchover pressure presetting	4 bar
Standard nominal flow rate pressurization	3000 l/min
Standard nominal flow rate exhaust air	3300 l/min
Nominal operating voltage DC	24 V
Coil characteristics	24 V DC: 2.5 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)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Degree of protection	IP65 NEMA 4

Feature	Value
Ambient temperature	-5 °C ... 50 °C
Product weight	605 g
Electrical connection	Form C Plug as per EN 175301-803 Rectangular design
Sensor connection	Plug 4-pin M12x1
Type of mounting	On sub-base
Pilot air port 12/14	Sub-base, size 1 as per ISO 5599-2
Pneumatic connection 1	Sub-base, size 1 as per ISO 5599-2
Pneumatic connection 2	Sub-base, size 1 as per ISO 5599-2
Pneumatic connection 3	G1/2
Pneumatic connection 4	Sub-base, size 1 as per ISO 5599-2
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy
Material of screws	Steel Galvanized