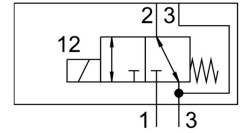
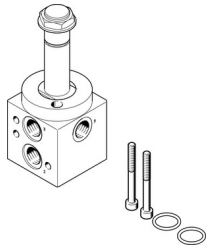


Pneumatic valve

VOFD-L50T-M32-MN-FG14-10-F10

FESTO

Part number: 4514999



Data sheet

Feature	Value
Valve function	3/2, closed, monostable
Actuation type	Electrical
Width	50.5 mm
Standard nominal flow rate	493 l/min
Pneumatic working port	Flange 1/4 NAMUR connection diagram
Operating pressure	0 MPa ... 1 MPa
Operating pressure	0 bar ... 10 bar
Structural design	Directly controlled poppet valve
Reset method	Mechanical spring
Degree of protection	IP65
Certificate issuing authority	German Technical Control Board (TÜV) V496.02/16
Nominal width	5 mm
Type code	VOFD
Sealing principle	Soft
Mounting position	Any
Manual override	None
Type of control	Direct
Flow direction	Reversible
Symbol	00992956
Safety function	Safe venting
Safety integrity level (SIL)	Up to SIL 3 high demand mode Up to SIL 3 low demand mode
Suitability for vacuum	yes
b-value	0.25
C value	2 l/sbar
Flow rate for piston valve pressurization	0.36 m ³ /h
Flow rate for piston valve exhausting	0.36 m ³ /h
Standard nominal flow rate 2-3	429 l/min
Switching time off	60 ms
On switching time	40 ms
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Operating medium	Compressed air as per ISO 8573-1:2010 [7:2:2]

Feature	Value
Extended ambient temperature	-25 - 60 °C Low demand mode
Corrosion resistance class (CRC)	4 - Particularly high corrosion stress
Temperature of medium	-25 °C ... 60 °C
Ambient temperature	-25 °C ... 60 °C
Product weight	560 g
Pneumatic connection 1	G1/4
Pneumatic connection 2	Flange 1/4 NAMUR connection diagram
Pneumatic connection 3	G1/4
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Seals material	NBR
Housing material	Aluminum, ematal coated