

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

FESTO

Part number: 4514999



Data sheet

[PDF](#) General operating condition

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) 968/V 1251.00/21
Nominal width	5 mm
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]
Extended ambient temperature	-25 - 60 °C Low demand mode

Feature	Value
Corrosion resistance class (CRC)	4 - Particularly high corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
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	RoHS-compliant
Seals material	NBR
Housing material	Aluminum, ematal coated