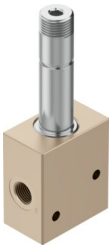
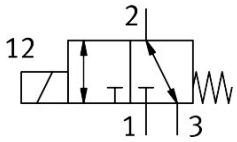
Pneumatic valve
VOFD-L50T-M32-MN-N14-10-F10

Part number: 4514998





Data sheet

Feature	Value
Valve function	3/2-way, closed, monostable
Actuation type	Electrical
Width	51 mm
Normal nominal flow rate (normalized to DIN 1343)	493 l/min
Pneumatic working port	1/4 NPT
Operating pressure	0 MPa...1 MPa 0 bar...10 bar 0 psi...145 psi
Structural design	Directly actuated poppet valve
Reset method	Mechanical spring
Degree of protection	IP65
Certificate issuing authority	TÜV 968/V 1251.02/24
Nominal width	5 mm
Sealing principle	Soft
Mounting position	Any
Manual override	None
Type of control	directly
Flow direction	Reversible
Safety function	Safe exhausting
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 m³/h
Flow rate for piston valve exhausting	0.36 m³/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)

Feature	Value
Operating medium	Compressed air as per ISO 8573-1:2010 [7:2:2]
Extended ambient temperature	-25 - 60 °C Low Demand mode
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	1/4 NPT
Pneumatic connection 2	1/4 NPT
Pneumatic connection 3	1/4 NPT
Note on materials	RoHS compliant
Seals material	NBR
Housing material	Aluminum, ematal coated