

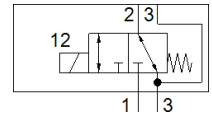
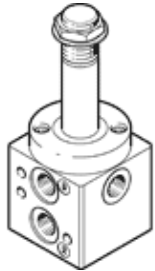
Valve

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

Part number: 4514999

FESTO

direct controlled, 5 mm nominal width, F10 armature system, NAMUR.



Data sheet

Feature	Value
Valve function	3/2 closed, monostable
Type of actuation	electrical
Width	50.5 mm
Standard nominal flow rate	493 l/min
Operating pressure MPa	0 ... 1 MPa
Working pressure	0 ... 10 bar
Design structure	Directly actuated poppet valve
Type of reset	mechanical spring
Protection class	IP65
Certificate issuing department	TÜV 968/V 1251.00/21
Nominal size	5 mm
Sealing principle	soft
Assembly position	Any
Manual override	None
Type of piloting	direct
Flow direction	reversible
Safety function	Safe venting
Safety Integrity Level (SIL)	Product can be used in SRP/CS up to SIL 3 (high demand) bis SIL 3 Low Demand mode
Suitability for vacuum	Yes
b value	0.25
C value	2 l/sbar
Flow rate Kv ventilation	0.36 m ³ /h
Flow rate Kv exhaust	0.36 m ³ /h
Standard nominal flow rate 2-3	429 l/min
Switching time off	60 ms
Switching time on	40 ms
Operating medium	Druckl. ISO8573-1:2010[7:2:2]
Extended ambient temperature	-25 - 60 °C Low Demand mode
Corrosion resistance classification CRC	4 - Very high corrosion stress
PWIS conformity	VDMA24364 zone III
Medium temperature	-25 ... 60 °C
Ambient temperature	-25 ... 60 °C
Product weight	560 g
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	Flange 1/4 NAMUR port pattern
Pneumatic connection, port 3	G1/4
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminium (Ematal coated)