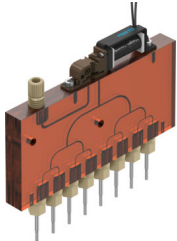


Distributor VTOI-V8-30D3-U14-08-V-S015-1

Part number: 8114037

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Valve function	2/2-way, closed, monostable
Operating pressure	0 MPa ... 0.1 MPa
Operating pressure	0 bar ... 1 bar
Operating pressure	0 psi ... 14.5 psi
Internal volume	178 µl distributor block with valve, needle and fittings
Nominal size	0.8 mm
Nominal width of dosing needle	0.3 mm
Length of dosing needle	30 mm
Grid dimension	9 mm
Sealing principle	Soft
Mounting position	Vertical
Type of reset	Mechanical spring
Type of piloting	Direct
Suitability for vacuum	no
Min. dosing volume	1 µl
Note on dosing volume	Depends on configuration, environment and application
Typical dosing precision	≤ 5% Tip-to-Tip CV ≤ 3% Intra-Run CV
Note on dosing precision	Depends on configuration, environment and application
Max. switching frequency	4 Hz
Note on switching frequency	Dependent on the ambient temperature and installation state
Switching time on	7 ms
Note on switching time on	Depends on configuration, environment and application
Switching time off	2 ms
Note on switching time off	Depends on configuration, environment and application
Duty cycle	100%
Electrical power consumption	1.8 W
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/- 10 %
Medium	Liquid media Gaseous media
Note on the medium	Maximum particle size 20 µm
Instructions on use	See application note (available on the Support Portal at festo.com)
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27

Feature	Value
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Storage temperature	5 °C ... 40 °C
Media temperature	5 °C ... 50 °C
Degree of protection	IP30
Note on degree of protection	In assembled state
Ambient temperature	5 °C ... 40 °C
Product weight	52 g
Electrical connection	2-wire 2x single wires Open end
Cable length	0.15 m
Wire ends	Sheath removed
Conductor nominal cross section	AWG28
Type of mounting	Via through-hole for M3 screw
Fluid connection	Female thread 1/4-28 UNF-2B
Note on fluid connection	Fitting enclosed for tubing with 3 mm outside diameter
Material of dosing needle	High-alloy stainless steel
Material number of dosing needle	1.4404
Note on materials	RoHS-compliant
Material in contact with the medium	FPM PEI PPS High-alloy stainless steel
Type of actuation	Electric
Nominal altitude of use	≤ 2000 m NHN
Relative air humidity	0 - 95% Non-condensing