Dispense head
VTOE-D7-T3-M22C-08-V-S-PC-S

Part number: 8063369



Data sheet

Feature	Value
Valve function	2/2, closed, monostable
Fluid connector	UNF1/4-28
Type of mounting	With internal thread and centering sleeve
Materials in contact with the media	ETFE FPM PC PEEK PPS High-alloy stainless steel
Mounting position	Any
Note on fluid connector	Fitting enclosed for pneumatic tubing with 3 mm outside diameter
Duty cycle	100%
Material number for dosing needle	1.4301
Material of dosing needle	High-alloy stainless steel
Wire ends	Stripped
Nominal conductor cross section	AWG28
Electrical connection	2-wire Cable Open end
Width dimension	9 mm
Nominal width of dosing needle	0.32 mm
Storage temperature	-20 °C ... 70 °C
Product weight	18 g
Cable length	0.15 m
Internal volume	113 µl valve with fluid connections
Water flow rate at max. operating pressure	370 µl/s
Operating pressure	0 psi ... 7.25 psi
Operating pressure	0 MPa ... 0.05 MPa
Note on dosing precision	Depending on the configuration, environment and application
Note on switching frequency	Dependent on the ambient temperature and installation state
Note on dosing volume	Depending on the configuration, environment and application
Relative air humidity	0 - 95 % Non-condensing
Typical dosing precision	‹1% CV for volumes ›5 µl ‹2.5% CV for volumes between 1-5 µl
Nominal altitude of use above sea level	‹= 2000 m NHN
Information on medium	Observe resistance of materials that come into contact with media
Application note	See application note (available on the support portal at festo.com)

Feature	Value
Note on switching time on	Depending on the configuration, environment and application
Contamination level	2
Note on switching time off	Depending on the configuration, environment and application
Medium	Liquid media
Note on degree of protection	In mounted state
Length of dosing needle	30 mm
Min. dosing volume	1 µl
On switching time	7 ms
Switching time off	2 ms
Electrical power consumption	1.8 W
Operating pressure	0 bar ... 0.5 bar
Nominal width	0.8 mm
Type code	VTOE
Sealing principle	Soft
Reset method	Mechanical spring
Type of control	Direct
Max. switching frequency	4 Hz
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/- 10 %
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	0 - No corrosion stress
Temperature of medium	5 °C ... 50 °C
Degree of protection	IP30
Ambient temperature	5 °C ... 40 °C
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Actuation type	Electrical