Dispense head
VTOE-8-D7-T3-M22C-08-V-S-PC-M

Part number: 8063634



Data sheet

Feature	Value
Valve function	2/2-way, closed, monostable
Operating pressure	0 MPa...0.05 MPa 0 bar...0.5 bar 0 psi...7.25 psi
Internal volume	113 µl valve with fluid connections
Nominal size	0.8 mm
Nominal width of dosing needle	0.32 mm
Length of dosing needle	30 mm
Grid dimension	9 mm
Sealing principle	Soft
Mounting position	optional
Type of reset	Mechanical spring
Type of piloting	Direct
Water flow rate at max. operating pressure	370 µl/s
Min. dosing volume	1 µl
Note on dosing volume	Depends on configuration, environment and application
Typical dosing precision	<1% CV für Volumina >5 µl <2.5% CV for volumes between 1-5 µl
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	50% (max. switch-on time 1 s)
Electrical power consumption	1.8 W
Information on power consumption	Specification per valve
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/- 10 %
Medium	Liquid media
Note on the medium	Observe resistance of materials that come into contact with the media

Feature	Value
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
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Storage temperature	-20 °C...70 °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	220 g
Electrical connection	9-pin Plugs Sub-D
Type of mounting	Either: Via through-hole for M3 screw Via female thread and centring sleeve
Fluid connection	8x UNF1/4-28
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	1.4301
Note on materials	RoHS-compliant
Material in contact with the medium	ETFE FPM PC PEEK PPS High-alloy stainless steel
Type of actuation	Electric
Nominal altitude of use	<= 2000 m NHN
Relative air humidity	0 - 95% Non-condensing
Pollution degree	2