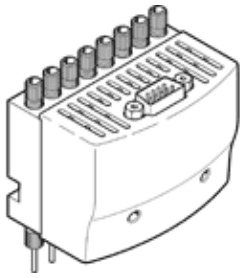


# dispense head

## VTOE-8-D7-T3-M22C-08-F-P-P-M

Part number: 8063637

FESTO



### Data sheet

Feature	Value
Valve function	2/2 closed, monostable
Operating pressure MPa	0 ... 0.05 MPa
Operating pressure	0 ... 0.5 bar
Operating pressure [psi]	0 ... 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
Assembly position	Any
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	Depending on the configuration, environment and application
Typical dosing precision	<1% CV for volumes >5 µl <2.5% CV for volumes between 1-5 µl
Note on dosing precision	Depending on the 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	Depending on the configuration, environment and application
Switching time off	2 ms
Note on switching time off	Depending on the configuration, environment and application
Duty cycle	100 %
Electrical power consumption	1.8 W
Information on power consumption	Specification per valve
Nominal operating voltage DC	24 V
Permissible voltage fluctuation	+/- 10 %
Medium	Fluid media
Note on the medium	Observe resistance of materials that come into contact with media
Instructions for use	See application note (available on the Support Portal at festo.com)
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Corrosion resistance classification CRC	0 - No corrosion stress
Storage temperature	-20 ... 70 °C
Medium temperature	5 ... 50 °C
Protection class	IP30
Note on degree of protection	in assembled condition
Ambient temperature	5 ... 40 °C
Product weight	220 g
Electrical connection	9-pin Plug

Feature	Value
	Sub-D
Mounting type	With through-hole for M3 screw With female thread and centring sleeve Optional
Fluid connection	8x UNF1/4-28
Note on fluid connection	Fitting provided for tubing with an outside diameter of 3 mm
Material of dosing needle	High alloy steel, non-corrosive
Material number of dosing needle	1.4301
Materials note	Contains PWIS substances Conforms to RoHS
Materials in contact with media	ETFE FFPM PEEK High alloy steel, non-corrosive
Type of actuation	electrical
Nominal altitude of use above sea level	≤ 2000 m NHN
Relative air humidity	0 - 95 % non-condensing
Degree of contamination	2