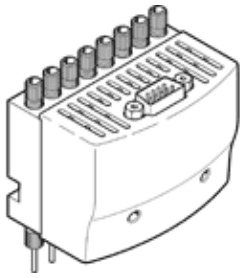


dispense head

VTOE-8-D8-T3-M22C-08-V-S-PC-M

Part number: 8063635

FESTO



Data sheet

| Feature | Value |
|--|--|
| Valve function | 2/2 closed, monostable |
| Operating pressure MPa | 0 ... 0.05 MPa |
| Working pressure | 0 ... 0.5 bar |
| Operating pressure | 0 ... 7.25 psi |
| Internal volume | 113 µl valve with fluid connections |
| Nominal size | 0.8 mm |
| Nominal width of dosing needle | 0.6 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 | 1300 µl/s |
| Min. dosing volume | 3 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 | 50% (max. switch-on time 1s) |
| 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 |
| Information 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 |
| PWIS conformity | VDMA24364-B2-L |
| 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 |

| Feature | Value |
|----------------------------------|--|
| | Plug 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 | Conforms to RoHS |
| Materials in contact with media | ETFE FPM PC PEEK PPS High alloy steel, non-corrosive |
| Type of actuation | electrical |
| Nominal altitude of use | ≤ 2000 m NHN |
| Relative air humidity | 0 - 95 % non-condensing |
| Degree of contamination | 2 |