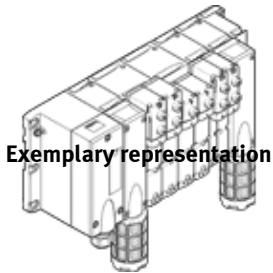


# Valve manifold VTSA-F-MP-NPT

Part number: 547964

FESTO

Valve manifold VTSA-F with multi-pin plug connection.



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature  | Value  |
|--|--|
| Electrical connection  | Multi-pin plug<br>IO-Link<br>AP interface  |
| Valve manifold type  | 45   |
| Operating medium   | Compressed air in accordance with ISO8573-1:2010 [7:4:4]   |
| Note on operating and pilot medium                                   | Lubricated operation possible (subsequently required for further operation)  |
| Ambient temperature  | -5 ... 50 °C   |
| Storage temperature  | -20 ... 60 °C  |
| Relative air humidity  | 0 - 90 %   |
| Protection class   | IP65<br>NEMA 4   |
| Corrosion resistance classification CRC                              | 0 - No corrosion stress  |
| Operating pressure MPa   | -0.09 ... 1 MPa  |
| Working pressure   | -0.9 ... 10 bar  |
| Pilot pressure MPa   | 0.3 ... 1 MPa  |
| Pilot pressure   | 3 ... 10 bar   |
| Operating pressure for valve terminal with internal pilot air supply | 0.3 ... 1 MPa  |
| Working pressure for valve manifold with internal pilot air supply   | 3 ... 10 bar   |
| PWIS conformity  | VDMA24364-B1/B2-L  |
| CE symbol (see declaration of conformity)                            | according to EU-EMV guideline  |
| UKCA marking (see declaration of conformity)                         | To UK instructions for electrical equipment<br>To UK instructions for EMC<br>To UK RoHS instructions   |
| KC mark  | KC-EMV   |
| Authorization  | BIA<br>C-Tick<br>c UL us - Recognized (OL)   |
| Materials note   | Conforms to RoHS   |
| Valve manifold structure   | Modular, valve sizes can be mixed  |
| Max. number of valve positions                                       | 32   |
| Max. no. of pressure zones   | 16   |
| Type of actuation  | electrical   |
| Valve function   | 2x2/2 closed, monostable<br>2x3/2 closed, monostable<br>2x3/2 open, monostable<br>2x3/2 open/closed, monostable<br>5/2 bistable<br>5/2 bistable-dominant<br>5/2 monostable<br>5/2-way, monostable safety function<br>5/3 pressurized |

| <b>Feature</b>                  | <b>Value</b>   |
|---------------------------------|--|
|                                 | 5/3 exhausted<br>5/3 closed<br>5/3, port 2 pressurized, 4 exhausted  |
| Design structure                | Piston slide   |
| Valve size                      | 18 mm<br>26 mm<br>42 mm<br>65 mm<br>52 mm  |
| Pilot air supply                | external<br>Internal   |
| Max. standard nominal flow rate | 700 l/min at 18 mm<br>1350 l/min at 26 mm<br>1860 l/min at 42 mm<br>2900 l/min at 52 mm<br>4000 l/min at 65 mm |
| Suitability for vacuum          | Yes  |
| Exhaust-air function            | Via throttle plate   |
| Signal status display           | LED  |
| Nominal operating voltage DC    | 24 V   |
| Permissible voltage fluctuation | +/- 10 %   |