

Motion Terminal VTEM

Part number: 8047502

FESTO



Data sheet

| Feature | Value |
|------------------------------------|--|
| Valve size | 27 mm |
| Valve terminal structure | Fixed grid |
| Grid dimension | 28 mm |
| Max. number of valve positions | 8 |
| Exhaust-air function | Without flow control option |
| Pilot air supply | External Internal |
| Electrical I/O system | yes |
| Degree of protection | IP65 |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Note on materials | RoHS-compliant |
| Material seals | NBR TPE-U(PU) |
| Fire test material | UL94 HB |
| Suitable for use with food | See supplementary material information |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases |
| Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases |
| Note on operating and pilot medium | Lubricated operation not possible Condensation in the valve not allowed |
| Operating pressure | 0.3 MPa...0.8 MPa 3 bar...8 bar 43.5 psi...116 psi |
| Pilot pressure | 0.3 MPa...0.8 MPa 3 bar...8 bar 43.5 psi...116 psi |
| Note on operating pressure | 0 - 8 bar with external pilot air Vacuum operation at connection 3 only |
| Valve function | Can be allocated using the Motion App |

| Feature | Value |
|--|---|
| Motion Apps | Leakage diagnostics Flow control ECO drive Positioning Proportional pressure regulation Proportional directional control valve Soft Stop Presetting of travel time Directional control valve functions Supply and exhaust air flow control Model-based proportional pressure regulation Selectable pressure head |
| Type of actuation | Electric |
| Sealing principle | Soft |
| Design | Piston seat |
| Type of piloting | Pilot actuated |
| Nominal size | 4.2 mm |
| Standard flow rate 0.8->0 MPa (8->0 bar, 116->0 psi) | 1000 l/min |
| Standard nominal flow rate, air flow 0.6->0,5 MPa (6->5 bar, 87->72.5 psi) | 450 l/min |
| Standard nominal flow rate, exhaust 0.6->0.5 MPa (6->5 bar, 87->72.5 psi) | 480 l/min |
| Flow direction | Non-reversible |
| Suitability for vacuum | yes |
| Nominal operating voltage DC | 24 V |
| Permissible voltage fluctuations | +/- 25% |
| Protection against direct and indirect contact | PELV |
| Approval | c UL us listed (OL) |
| KC mark | KC-EMV |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Certificate issuing authority | UL E322346 |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| Storage temperature | -20 °C...40 °C |
| Media temperature | 5 °C...50 °C |
| Ambient temperature | 5 °C...50 °C |
| Relative air humidity | 0 - 90% |
| 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 |
| Note on shock resistance | Only static installation permitted when mounting with a H-rail. |
| Pneumatic connection, port 2 | G1/8 |
| Pneumatic connection, port 4 | G1/8 |
| Pilot air port 14 | M5 |
| Pneumatic connection, port 1 | G3/8 |
| Pneumatic connection, port 3 | G3/8 |
| Pilot exhaust port 84 | M7 |
| Breather connection | M7 |