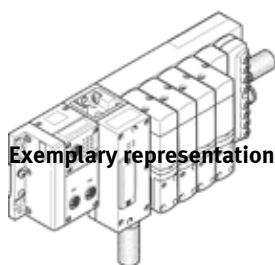


Motion Terminal VTEM

Part number: 8047502

FESTO



Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Valve size	27 mm
Valve terminal structure	Fixed-grid
Grid dimension	28 mm
Max. number of valve positions	8
Exhaust-air function	not throttleable
Pilot air supply	external Internal
Electrical I/O system	Yes
Protection class	IP65
PWIS conformity	VDMA24364 zone III
Materials note	Conforms to RoHS
Material seals	NBR TPE-U(PU)
Material fire test	UL94 HB
Food-safe	See Supplementary material information
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases
Note on operating and pilot medium	Lubricated operation not possible Condensation in the valve not allowed
Operating pressure MPa	0.3 ... 0.8 MPa
Operating pressure	3 ... 8 bar 43.5 ... 116 psi
Pilot pressure MPa	0.3 ... 0.8 MPa
Pilot pressure	3 ... 8 bar 43.5 ... 116 psi
Note on operating pressure	0 - 8 bar with external pilot air Vacuum operation at port 3 only
Valve function	can be allocated using the motion app
Motion apps	Directional control valve functions Flow control Proportional directional control valve Proportional pressure regulation Positioning Model-based proportional pressure regulation Supply and exhaust air flow control ECO drive Soft Stop Presetting of travel time selectable pressure level Leakage diagnostics
Type of actuation	electrical
Sealing principle	soft

Feature	Value
Design structure	Piston seat
Type of piloting	Piloted
Nominal size	4.2 mm
Standard flow rate 0.8->0 MPa (8->0 bar, 116->0 psi)	1,000 l/min
Standard nominal flow rate pressurisation 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 fluctuation	+/- 25 %
Protection against direct and indirect contact	Protective extra-low voltage with safe disconnection (PELV)
Authorisation	c UL us - Listed (OL)
KC mark	KC-EMV
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Certificate issuing department	UL E322346
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Storage temperature	-20 ... 40 °C
Medium temperature	5 ... 45 °C
Ambient temperature	5 ... 45 °C
Relative air humidity	0 - 90 %
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
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
Scavenging orifice connection	M7