

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