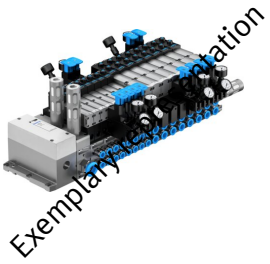
Valve terminal
VTSA-F-MP-NPT

Part number: 547964



General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Electrical control	AP interface IO-Link® Multi-pin
Terminal type	45
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-20 °C ... 60 °C
Relative air humidity	0 - 90%
Degree of protection	IP65 NEMA 4
Corrosion resistance class CRC	0 - No corrosion stress
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Pilot pressure	0.3 MPa ... 1 MPa
Pilot pressure	3 bar ... 10 bar
Operating pressure for valve terminal with internal pilot air supply	0.3 MPa ... 1 MPa
Operating pressure for valve terminal with internal pilot air supply	3 bar ... 10 bar
LABS (PWIS) conformity	VDMA24364-B1/B2-L
CE mark (see declaration of conformity)	To EU EMC Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions To UK regulations for electrical equipment
KC mark	KC-EMV
Approval	BIA C-Tick c UL us - Recognised (Oil)
Certificate issuing authority	UL E322346
Note on materials	RoHS compliant
Valve terminal structure	Modular, valve sizes can be mixed
Max. number of valve positions	32
Max. number of pressure zones	16
Type of actuation	Electrical
Valve function	5/3-way, port 2 pressurised, 4 exhausted
Design	Piston gate valve
Valve size	52 mm

Feature	Value
Pilot air supply	External Internal
Max. standard nominal flow rate	700 l/min at 18 mm 1350 l/min at 26 mm 1860 l/min at 42 mm 2900 l/min at 52 mm 4000 l/min at 65 mm
Suitability for vacuum	Yes
Exhaust-air function	Via throttle plate
pneumatic working port	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT QS-6 QS-8 QS-10 QS-12 QS-16
Signal status display	LED
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/-10%