

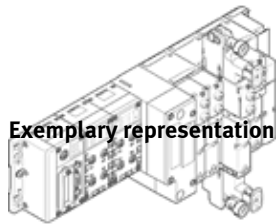
valve terminal VTSA-F-FB

Part number: 547965

★ Core product range

FESTO

Valve terminal VTSA-F with fieldbus connection.



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Electrical connection	Fieldbus Ethernet Integrated controller
Electrical I/O system	Yes
Valve terminal 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 NEMA 4
Corrosion resistance classification CRC	0 - No corrosion stress
Operating pressure MPa	-0.09 ... 1 MPa
Operating 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 3 ... 10 bar
PWIS conformity	VDMA24364-B1/B2-L
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive explosion protection (ATEX)
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Authorisation	BIA C-Tick c UL us - Recognized (OL)
ATEX category Gas	II 3G
Explosion ignition protection type Gas	Ex nA IIC T3 X Gc
Explosion-proof ambient temperature	-5 °C ≤ Ta ≤ +50 °C
Materials note	Conforms to RoHS
Valve terminal 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 2x3/2 closed, monostable 2x3/2 open, monostable 2x3/2 open/closed, monostable 5/2 bistable

Feature	Value
	5/2 bistable-dominant 5/2 monostable 5/2-way, monostable safety function 5/3 pressurised 5/3 exhausted 5/3 closed 5/3, port 2 pressurised, 4 exhausted
Design structure	Piston slide
Valve size	18 mm 26 mm 42 mm 65 mm 52 mm
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
Signal status display	LED
Nominal operating voltage DC	24 V
Permissible voltage fluctuation	+/- 10 %