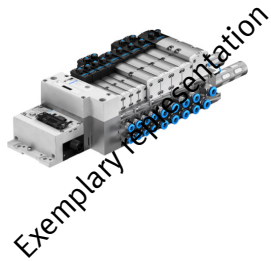


Valve terminal VTSA-FB

Part number: 539217

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Valve function	2x2/2-way, monostable, closed 2x3/2-way, monostable, closed 2x3/2-way, open, monostable 2x3/2-way, open/closed, monostable 5/2 double solenoid 5/2-way, bistable, dominant 5/2-way, monostable 5/2-way, monostable, safety function 5/3-way, pressurised 5/3 exhausted 5/3 closed 5/3-way, port 2 pressurised, 4 exhausted
Valve size	18 mm
Max. standard nominal flow rate	550 l/min at 18 mm 1100 l/min at 26 mm 1300 l/min at 42 mm 2900 l/min at 52 mm 4000 l/min at 65 mm
pneumatic working port	G1/8 G1/4 G3/8 G1/2 QS-6 QS-8 QS-10 QS-12 QS-14 QS-16
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Electrical control	Ethernet Fieldbus Integrated controller
Max. number of valve positions	32
Max. number of pressure zones	32
Electrical I/O system	yes
Ambient temperature	-5 °C ... 50 °C
Degree of protection	IP65 NEMA 4
Approval	BIA C-Tick c UL us - Recognized (OL)
KC mark	KC-EMV

Feature	Value
CE mark (see declaration of conformity)	To EU EMC Directive To EU Explosion Protection Directive (ATEX)
ATEX category gas	II 3G
Explosion ignition protection type for gas	Ex nA IIC T3 X Gc Ex nA IIC T3 X Gc Ex nA IIC T3 X Gc
Explosion ambient temperature	-5°C ≤ Ta ≤ +50°C
Exhaust-air function	Via throttle plate
Type of actuation	Electric
Terminal type	44
Design	Piston gate valve
Pilot air supply	External Internal
Valve terminal structure	Modular, valve sizes can be mixed
Signal status display	LED
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
Pilot pressure	0.3 MPa ... 1 MPa
Pilot pressure	3 bar ... 10 bar
Suitability for vacuum	yes
Nominal operating voltage AC	110 V
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/- 10 %
Explosion protection	Zone 2 (ATEX)
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)
Corrosion resistance class CRC	0 - No corrosion stress
Storage temperature	-20 °C ... 60 °C
Relative air humidity	0 - 90%
Note on materials	RoHS-compliant