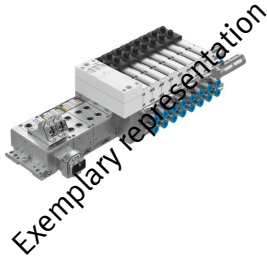


Valve terminal VTSA-F-CB

Part number: 8073100

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Electrical control	Ethernet Fieldbus Integrated controller
Electrical I/O system	Yes
Terminal type	46
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation not possible
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-20 °C ... 60 °C
Relative air humidity	0 - 90%
Degree of protection	IP65
Corrosion resistance class CRC	0 - No corrosion stress
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
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
Operating pressure for valve terminal with internal pilot air supply	43.5 psi ... 145 psi
LABS (PWIS) conformity	VDMA24364-B1/B2-L
CE mark (see declaration of conformity)	To EU EMC Directive
KC mark	KC-EMV
Approval	c UL us - Recognised (Oil)
Certificate issuing authority	UL E322346
Note on materials	RoHS compliant
Valve terminal structure	Modular, valve sizes can be mixed
Manual override	Detenting Detenting via accessory Non-detenting Concealed Self-resetting via electrical control signal
Number of voltage zones	≤6
Number of controllable coils per voltage zone	≤24
Number of controllable coils per valve terminal	≤96
Type of actuation	Electrical
Valve function	5/3-way, port 2 pressurised, 4 exhausted

Feature	Value
Design	Piston gate valve
Valve size	42 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
Suitability for vacuum	Yes
Exhaust-air function	Via throttle plate
pneumatic working port	QS-6 QS-8 QS-10 QS-12 QS-16
Pilot air port 12	Ducted Either:
Note on forced dynamization	Switching frequency min. 1/month
Signal status display	LED
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/-10%
Max. power supply	11 A