

Valve terminal VTUX-A-S-APA-

Part number: 8000815

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Mounting method for sub-base	With through-hole
Grid dimension	10.55 mm ... 12.55 mm
Type of mounting	Tie rod
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 possible (in which case lubricated operation will always be required)
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-20 °C ... 70 °C
Nominal altitude of use	≤ 2000 m NHN
Max. installation height	3500 m
Degree of protection	IP20 IP40 IP65
Corrosion resistance class CRC	1 - Low corrosion stress
Vibration resistance	Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27
Continuous shock resistance to DIN/IEC 68 Part 2-82	Tested according to severity level 1
Operating pressure	-0.1 MPa ... 0.7 MPa
Operating pressure	-1 bar ... 7 bar
Pilot pressure	0.15 MPa ... 0.7 MPa
Pilot pressure	1.5 bar ... 7 bar
Operating pressure for valve terminal with internal pilot air supply	0.15 MPa ... 0.7 MPa
Operating pressure for valve terminal with internal pilot air supply	1.5 bar ... 7 bar
Operating pressure for valve terminal with internal pilot air supply	21.75 psi ... 101.5 psi
LABS (PWIS) conformity	VDMA24364-C1-L
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
KC mark	KC-EMV
Approval	RCM trademark
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Valve terminal structure	Modular and expandable

Feature	Value
Max. number of valve positions	64
Max. number of pressure zones	16
Type of actuation	Electric
Valve function	2x3/2-way, monostable, closed 2x3/2-way, open, monostable 5/2 bistable 5/2-way, monostable 5/3 closed 5/4 closed, 2 or 4 exhausted
Design	Piston gate valve
Sealing principle	Soft
Type of piloting	Pilot actuated
Valve size	10 mm
Pilot air supply	External Internal
Nominal flow rate standardised according to ISO 8778	470 l/min ... 690 l/min
Suitability for vacuum	yes
Exhaust-air function	With flow control option
Pneumatic connection, port 1	QS-8 QS-10 QS-12 QS-5/16 QS-3/8 For 15 mm cartridge Blanking plug
Pneumatic connection, port 2	QS-4 QS-6 QS-8 QS-5/32 QS-1/8 QS-1/4 QS-5/16 For 10 mm cartridge For 12 mm cartridge Blanking plug
Pneumatic connection, port 3	QS-8 QS-10 QS-12 QS-5/16 QS-3/8 For 15 mm cartridge Silencer Blanking plug
Pneumatic connection, port 4	QS-4 QS-6 QS-8 QS-5/32 QS-1/8 QS-1/4 QS-5/16 For 10 mm cartridge For 12 mm cartridge Blanking plug
Pneumatic connection, port 5	QS-8 QS-10 QS-12 QS-5/16 QS-3/8 Silencer For 15 mm cartridge Blanking plug

Feature	Value
Pilot air port 12/14	Blanking plug QS-4 QS-6 QS-8 QS-5/16 QS-1/4 For 12 mm cartridge
Pilot exhaust port 82/84	QS-4 QS-6 QS-8 QS-5/16 QS-1/4 Silencer For 12 mm cartridge
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/- 10 %