Valve terminal
VTUX-A-P-APA-

Part number: 8000810

General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Sub-base mounting type	With through-hole
Width dimension	10.55 mm ... 12.55 mm
Type of mounting	Tie rod
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-20 °C ... 70 °C
Nominal altitude of use above sea level	<= 2000 m NHN
Max. installation height	3500 m
Degree of protection	IP40 IP65
Corrosion resistance class (CRC)	1 - Low corrosion stress
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Continuous shock resistance to DIN/IEC 68 Part 2-82	Tested as per severity level 1
Operating pressure	-0.1 MPa ... 0.7 MPa
Operating pressure	-1 bar ... 7 bar
Pilot pressure MPa	0.15 MPa ... 0.7 MPa
Pilot pressure	1.5 bar ... 7 bar
Operating pressure for valve manifold with internal pilot air supply	0.15 MPa ... 0.7 MPa
Operating pressure for valve manifold with internal pilot air supply	1.5 bar ... 7 bar
Operating pressure for valve manifold with internal pilot air supply	21.75 psi ... 101.5 psi
LABS (PWIS) conformity	VDMA24364-C1-L
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC characters	KC EMC
Certification	RCM compliance mark c UL us - Listed (OL)
Certificate issuing authority	UL E322346
Note on materials	RoHS-compliant
Seals material	HNBR NBR

Feature	Value
Valve manifold design	Modular and expandable
Max. no. of valve positions	32
Max. no. of pressure zones	16
Actuation type	Electrical
Valve function	2x3/2, closed, monostable 2x3/2, open, monostable 5/2, bistable 5/2, monostable 5/3, closed
Structural design	Piston gate valve
Sealing principle	Soft
Type of control	Pilot-controlled
Valve size	10 mm
Pilot air supply port	External Internal
Nominal flow rate standardized according to ISO 8778	470 l/min ... 690 l/min
Suitability for vacuum	yes
Exhaust air function	With flow control option
Pneumatic connection 1	QS-8 QS-10 QS-12 QS-5/16 QS-3/8 For 15 mm cartridge Blanking plug
Pneumatic connection 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 3	QS-8 QS-10 QS-12 QS-5/16 QS-3/8 for 15 mm cartridge Pneumatic muffler Blanking plug
Pneumatic connection 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 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 air 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 %