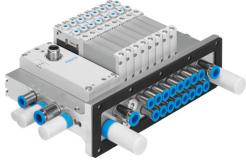


Valve terminal VTUG-EX

Part number: 8060699

FESTO



Data sheet

Feature	Value
Electrical control	Fieldbus I-Port IO-Link® Multi-pin plug
Electrical I/O system	no
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)
Media temperature	-5 °C...60 °C
Ambient temperature	-5 °C...60 °C
Storage temperature	-10 °C...60 °C
Degree of protection	IP20 IP65
Corrosion resistance class CRC	2 - Moderate corrosion stress
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Pilot pressure	0.15 MPa...0.8 MPa 1.5 bar...8 bar
Operating pressure for valve terminal with internal pilot air supply	1.5 bar...8 bar
LABS (PWIS) conformity	VDMA24364-B2-L
CE mark (see declaration of conformity)	To EU EMC Directive To EU Explosion Protection Directive (ATEX) In accordance with EU RoHS Directive
Approval	RCM trademark c UL us - Recognized (OL)

Feature	Value
Explosion protection	Class I, Div. 2 (CA) Class I, Div. 2 (US) Class II, Div. 2 (CA) Class II, Div. 2 (US) Zone 2 (ATEX) Zone 2 (CA) Zone 2 (CN) Zone 2 (IEC-EX) Zone 2 (US) Zone 22 (ATEX) Zone 22 (CA) Zone 22 (CN) Zone 22 (IEC-EX) Zone 22 (US)
Note on materials	RoHS-compliant
Valve terminal structure	Fixed grid
Max. number of valve positions	24
Max. number of pressure zones	13
Type of actuation	Electric
Valve function	2x3/2-way, monostable, closed 2x3/2-way, open, monostable 2x3/2-way, open/closed, monostable 3/2-way, closed, monostable 3/2 open, single solenoid 5/2 double solenoid 5/2-way, monostable 5/3-way, pressurised 5/3 exhausted 5/3 closed
Design	Piston gate valve
Sealing principle	Soft
Type of piloting	Pilot actuated
Pilot air supply	External Internal
Standard nominal flow rate (standardised to DIN 1343)	130 l/min...1150 l/min
Suitability for vacuum	yes
Exhaust-air function	With flow control option
pneumatic working port	M5 M7 G1/8 G1/4 QS-3 QS-4 QS-6 QS-8 QS-10 QS-5/32 QS-1/8 QS-3/16 QS-1/4 QS-5/16 QS-3/8
Pneumatic connection, port 1	G1/8 G1/4 G3/8 QS-3 QS-4 QS-6 QS-8 QS-10 QS-12 QS-16 QS-1/4 QS-5/16 QS-3/8 QS-1/2
Pilot air port 12/14	G1/8

Feature	Value
Signal status display	LED
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/- 10 % +/- 25%
Nominal pick-up current per solenoid coil	47 mA up to 20 ms
Nominal current with current reduction	15,5 mA after 20 ms