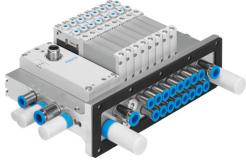


Valve manifold VTUG-EX

Part number: 8060699

FESTO



Data sheet

Feature	Value
Electrical actuation	Fieldbus I-Port IO-Link® Multi-pin
Electrical I/O system	no
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)
Temperature of medium	-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 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Pilot pressure MPa	0.15 MPa...0.8 MPa
Pilot pressure	1.5 bar...8 bar
Operating pressure for valve manifold with internal pilot air supply	1.5 bar...8 bar
LABS (PWIS) conformity	VDMA24364-B2-L
CE marking (see declaration of conformity)	As per EU EMC directive as per EU explosion protection directive (ATEX) As per EU RoHS directive
Certification	RCM compliance mark c UL us - Recognized (OL)

Feature	Value
Explosion prevention and 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 manifold design	Fixed grid
Max. no. of valve positions	24
Max. no. of pressure zones	13
Actuation type	Electrical
Valve function	2x3/2, closed, monostable 2x3/2, open, monostable 2x3/2, open/closed, monostable 3/2, closed, monostable 3/2, open, monostable 5/2, bistable 5/2, monostable 5/3, pressurized 5/3, exhausted 5/3, closed
Structural design	Piston gate valve
Sealing principle	Soft
Type of control	Pilot-controlled
Pilot air supply port	External Internal
Standard nominal flow rate	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 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 to 20 ms
Nominal current with current reduction	15,5 mA after 20 ms