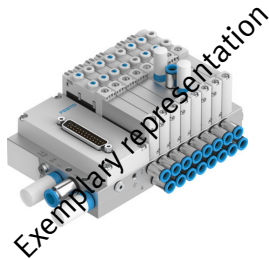


Valve manifold VTUG

Part number: 573606

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Electrical actuation	AP interface Individual connection 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	IP40 IP65 IP67 IP69K NEMA 4X
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
Operating pressure	-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-B1/B2-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 - Recognized (OL)
Certificate issuing authority	UL MH19482
Note on materials	RoHS-compliant
Seals material	HNBR NBR

Feature	Value
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
Valve size	18 mm
Pilot air supply port	External Internal
Max. standard nominal flow rate	330 l/min at 10 mm 630 l/min at 14 mm 1200 l/min at 18 mm
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
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