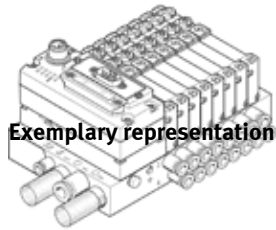


Valve manifold VTUG

Part number: 573606
★ Core product range

FESTO



Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Electrical connection	Individual connection Fieldbus Multi-pin plug I-Port IO-Link AP interface
Electrical I/O system	No
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Medium temperature	-5 ... 60 °C
Ambient temperature	-5 ... 60 °C
Storage temperature	-10 ... 60 °C
Protection class	IP40 IP65 IP67 IP69K NEMA 4X
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Operating pressure MPa	-0.09 ... 1 MPa
Working pressure	-0.9 ... 10 bar
Pilot pressure MPa	0.15 ... 0.8 MPa
Pilot pressure	1.5 ... 8 bar
Working pressure for valve manifold with internal pilot air supply	1.5 ... 8 bar
PWIS conformity	VDMA24364-B1/B2-L
CE symbol (see declaration of conformity)	according to EU-EMV guideline 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
Authorization	RCM Mark c UL us - Recognized (OL)
Certificate issuing department	UL MH19482
Materials note	Conforms to RoHS
Material seals	HNBR NBR
Valve manifold structure	Fixed-grid
Max. number of valve positions	24
Max. no. of pressure zones	13

Feature	Value
Type of actuation	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
Design structure	Piston slide
Sealing principle	soft
Type of piloting	Piloted
Valve size	10 mm 14 mm 18 mm
Pilot air supply	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 ... 1,150 l/min
Suitability for vacuum	Yes
Exhaust-air function	throttleable
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
Auxiliary pilot air port 12/14	G1/8
Signal status display	LED
Nominal operating voltage DC	24 V
Permissible voltage fluctuation	+/- 10 % +/- 25 %
Nominal breakaway current per solenoid coil	47 mA up to 20 ms
Nominal current with current reduction	15.5 mA after 20 ms