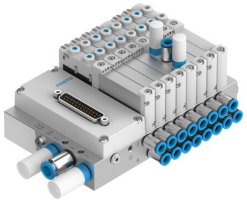
Valve terminal
VTUG

Part number: 573606



Data sheet

Feature	Value
Electrical control	AP interface Individual connection Fieldbus I-Port IO-Link® Multi-pin
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	IP40 IP65 IP67 IP69K NEMA 4X
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-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1
CE mark (see declaration of conformity)	To EU EMC Directive 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
Approval	RCM

Feature	Value
	c UL us - Recognised (Oil)
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	Electrical
Valve function	2x3/2 closed monostable 2x3/2 open monostable 2x3/2-way, open/closed, monostable 3/2-way, single solenoid, closed 3/2-way, single solenoid, open 5/2-way, double solenoid 5/2-way, single solenoid 5/3-way, pressurised 5/3 exhausted 5/3-way, closed
Design	Piston gate valve
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 (standardised to DIN 1343)	130 l/min...1150 l/min
Suitability for vacuum	Yes
Exhaust-air function	Can be throttled
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
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

Feature	Value
Nominal current with current reduction	15.5 mA after 20 ms