Valve terminal
MPAL-VI
Part number: 569926

FESTO

Data sheet

Feature	Value
Electrical control	Fieldbus I-Port IO-Link® Multi-pin plug
Electrical I/O system	yes
Terminal type	34
Operating 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...50 °C
Ambient temperature	-5 °C...50 °C
Storage temperature	-20 °C...40 °C
Degree of protection	IP65 IP67
Corrosion resistance class CRC	3 - high corrosion stress
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Pilot pressure	0.3 MPa...0.8 MPa 3 bar...8 bar
LABS (PWIS) conformity	VDMA24364-B1/B2-L
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 trademark c UL us listed (OL)
Note on materials	RoHS-compliant
Valve terminal structure	Valve sizes can be mixed
Max. number of valve positions	32
Max. number of pressure zones	20
Type of actuation	Electric

Feature	Value
Valve function	2/2-way, closed, monostable 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 Poppet valve with spring return
Type of piloting	Electric
Valve size	10 mm 14 mm 20 mm
Pilot air supply	External Internal
Max. standard nominal flow rate	360 l/min at 10 mm 670 l/min at 14 mm 870 l/min at 20 mm
Suitability for vacuum	yes
Switching position indicator	LED
pneumatic working port	M7 G1/4 QS-3 QS-4 QS-6 QS-8 QS-10 QS-12 QS-5/32 QS-1/8 QS-3/16 QS-1/4 QS-5/16 QS-3/8 QS-1/2
Signal status display	LED
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/- 25%