Valve manifold
MPAL-VI

Part number: 569926

Data sheet

Feature	Value
Electrical actuation	Fieldbus I-Port IO-Link® Multi-pin
Electrical I/O system	yes
Valve terminal type	34
Operating 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...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 MPa	0.3 MPa...0.8 MPa
Pilot pressure	3 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 - Listed (OL)
Note on materials	RoHS-compliant
Valve manifold design	Valve sizes can be mixed
Max. no. of valve positions	32
Max. no. of pressure zones	20
Actuation type	Electrical

Feature	Value
Valve function	2/2, closed, monostable 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 Poppet valve with return spring
Type of control	Electrical
Valve size	10 mm 14 mm 20 mm
Pilot air supply port	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 indication	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 %