Valve terminal
CPV10-VI

Part number: 18200



Data sheet

Feature	Value
Electrical control	AS-i CPI installation system Individual connection Fieldbus Multi-pin
Electrical I/O system	Yes
Terminal type	10
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
Corrosion resistance class CRC	1 - Low corrosion stress 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
Note on operating pressure	0 - 0.8 MPa with ext. pilot air 0 - 8 bar with external pilot air
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 To EU Explosion Protection Directive (ATEX) In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK EX instructions To UK RoHS instructions
KC mark	KC-EMV
Approval	RCM c UL us - Recognised (Oil)
Explosion protection	Class I, Div. 2 (US)

Feature	Value
	Zone 2 (ATEX) Zone 2 (UKEX)
ATEX category gas	II 3G
Explosion protection certification outside the EU	EPL Gc (GB) NEC 500 Class I, Div. 2
Explosion ignition protection type for gas	Ex ec IIC T4 Gc X
Explosion ambient temperature	-5°C <= Ta <= +50°C
Note on materials	RoHS compliant
Valve terminal structure	Fixed grid
Max. number of valve positions	8
Max. number of valve functions	16
Max. number of pressure zones	2
Type of actuation	Electrical
Valve function	2x2/2 closed monostable 2x2/2-way, open/closed, monostable 2x3/2 closed monostable 2x3/2 open monostable 2x3/2-way, open/closed, monostable 5/2-way, double solenoid 5/2-way, single solenoid Vacuum generator Vacuum generator + 2/2-way, closed, monostable
Design	Piston gate valve
Sealing principle	Soft
Valve size	10 mm
Pilot air supply	External Internal
Max. standard nominal flow rate	400 l/min at 10 mm
Nominal size	4 mm
Suitability for vacuum	Yes
pneumatic working port	M7 QS-4 QS-6 QS-1/8 QS-1/4
Pneumatic connection, port 1	Common line
Pneumatic connection, port 2	M7
Pneumatic connection, port 3	Common line
Pneumatic connection, port 4	M7
Pilot air port 12/14	Common line
Pilot exhaust port 82/84	Common line
Signal status display	LED
Nominal operating voltage DC	24 V