

Valve manifold assembly CPV10-EX-VI

Part number: 539506

FESTO



Data sheet

Feature	Value
Electrical actuation	Individual connection
Valve terminal type	10
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	IP50 plug sockets IP55 valve manifold
Corrosion resistance class (CRC)	1 - Low corrosion stress 2 - Moderate corrosion stress
Operating pressure	0 MPa...1 MPa 0 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 explosion protection directive (ATEX) As per EU RoHS directive
UKCA marking (see declaration of conformity)	acc. to UK EX instructions To UK RoHS instructions
Certification	c UL us - recognized (OL)
Explosion prevention and protection	Zone 1 (ATEX) Zone 1 (CN) Zone 1 (IEC-EX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (CN) Zone 21 (IEC-EX) Zone 21 (UKEX) Zone 22 (ATEX)
ATEX category gas	II 2G
ATEX category for dust	II 2D
Explosion protection certification outside the EU	EPL Db (CN) EPL Db (GB) EPL Db (IEC-EX)

Feature	Value
	EPL Gb (CN) EPL Gb (GB) EPL Gb (IEC-EX)
Type of ignition protection for gas	Ex ib IIC T4 Gb
Type of (ignition) protection for dust	Ex ib IIIC T100°C Db
Explosive ambient temperature	Pi 0.76W: -5°C ≤ Ta ≤ +50°C Pi 0.93W: -5°C ≤ Ta ≤ +40°C
Certificate issuing authority	CCCEX 2020322307000857 IBExU12ATEX1110X IECEX IBE13.0046X German Technical Control Board (TÜV) 21 UKEX 7013 X
Note on materials	RoHS compliant
Valve manifold design	Fixed grid
Max. no. of valve positions	8
Max. no. of pressure zones	2
Actuation type	Electrical
Valve function	2x2/2 closed, monostable 2x2/2, open/closed, monostable 2x3/2 closed, monostable 2x3/2 open monostable 2x3/2, open/closed, monostable 5/2-way, bistable 5/2-way, monostable 5/3-way, closed
Structural design	Piston gate valve
Sealing principle	Soft
Valve size	10 mm
Pilot air supply port	External Internal
Max. standard nominal flow rate	400 l/min at 10 mm
Normal nominal flow rate (normalized to DIN 1343)	400 l/min
Nominal width	4 mm
Suitability for vacuum	No
Pneumatic working port	M7 QS-4 QS-6
Pneumatic connection 1	Common connection
Pneumatic connection 2	M7
Pneumatic connection 3	Common connection
Pneumatic connection 4	M7
Pilot air port 12/14	Common connection
Pilot exhaust air port 82/84	Common connection
Nominal operating voltage DC	24 V
Required current consumption	0.016 A