

Manifold assembly CPV10-EX-VI

Part number: 539506

FESTO



Data sheet

Feature	Value
Electrical control	Individual connection
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	Plug sockets IP50 Valve terminal IP55
Corrosion resistance class CRC	1 - Low corrosion stress 2 - Moderate corrosion stress
Operating pressure	0 MPa...1 MPa 0 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 Explosion Protection Directive (ATEX) In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK EX instructions To UK RoHS instructions
Approval	c UL us - Recognized (OL)
Explosion 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 dust	II 2D

Feature	Value
Explosion protection certification outside the EU	EPL Db (CN) EPL Db (GB) EPL Db (IEC-EX) EPL Gb (CN) EPL Gb (GB) EPL Gb (IECEX)
Explosion ignition protection type for gas	Ex ib IIC T4 Gb
Explosion ignition protection type for dust	Ex ib IIIC T100°C Db
Explosion ambient temperature	Pi 0.76W: -5°C ≤ Ta ≤ +50°C Pi 0.93W: -5 °C ≤ Ta ≤ +40 °C
Certificate issuing authority	GYJ20.1646X IBExU12ATEX1110X IECEX IBE13.0046X German Technical Control Board (TÜV) 21 UKEX 7013 X
Note on materials	RoHS-compliant
Valve terminal structure	Fixed grid
Max. number of valve positions	8
Max. number of pressure zones	2
Type of actuation	Electric
Valve function	2x2/2-way, monostable, closed 2x2/2-way, open/closed, monostable 2x3/2-way, monostable, closed 2x3/2-way, open, monostable 2x3/2-way, open/closed, monostable 5/2 double solenoid 5/2-way, monostable 5/3 closed
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
Standard nominal flow rate (standardised to DIN 1343)	400 l/min
Nominal size	4 mm
Suitability for vacuum	no
pneumatic working port	M7 QS-4 QS-6
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
Nominal operating voltage DC	24 V
Required current consumption	0.016 A