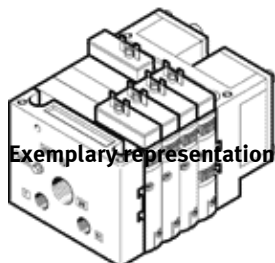


valve manifold assembly CPV10-EX-VI

Part number: 539506
Classic - do not use for new projects

FESTO

Modern alternatives can be found by entering the first four characters of the type code in the search field.



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Electrical connection	Individual connection
Valve manifold type	10
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Medium temperature	-5 ... 50 °C
Ambient temperature	-5 ... 50 °C
Storage temperature	-20 ... 40 °C
Protection class	Plug sockets IP50 Valve terminal IP55
Corrosion resistance classification CRC	1 - Low corrosion stress 2 - Moderate corrosion stress
Operating pressure MPa	0 ... 1 MPa
Working pressure	0 ... 10 bar
Pilot pressure MPa	0.3 ... 0.8 MPa
Pilot pressure	3 ... 8 bar
PWIS conformity	VDMA24364-B1/B2-L
CE symbol (see declaration of conformity)	according to EU-Ex protection guideline (ATEX) in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK EX instructions To UK RoHS instructions
Authorization	c UL us - Recognized (OL)
ATEX category Gas	II 2G
ATEX category Dust	II 2D
Explosion protection certification outside the EU	EPL Db (CN) EPL Db (GB) EPL Db (IEC-EX) EPL Gb (CN) EPL Gb (GB) EPL Gb (IEC-EX)
Explosion ignition protection type Gas	Ex ib IIC T4 Gb
Explosion ignition protection type Dust	Ex ib IIIC T100°C Db
Explosion-proof ambient temperature	PI 0,76W: -5°C ≤ Ta ≤ +50°C PI 0,93W: -5°C ≤ Ta ≤ +40°C
Certificate issuing department	GYJ20.1646X IBExU12ATEX1110X IECEx IBE13.0046X TÜV 21 UKEX 7013 X
Materials note	Conforms to RoHS
Valve manifold structure	Fixed-grid
Max. number of valve positions	8

Feature	Value
Max. no. of pressure zones	2
Type of actuation	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 bistable 5/2 monostable 5/3 closed
Design structure	Piston slide
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	400 l/min
Nominal size	4 mm
Suitability for vacuum	No
Pneumatic connection, port 1	Common line
Pneumatic connection, port 2	M7
Pneumatic connection, port 3	Common line
Pneumatic connection, port 4	M7
Auxiliary 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