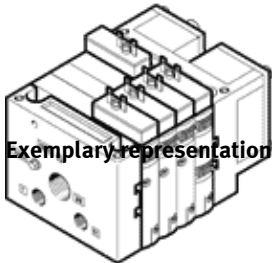


# valve manifold assembly CPV10-EX-VI

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 terminal 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
Operating pressure	0 ... 10 bar
Pilot pressure MPa	0.3 ... 0.8 MPa
Pilot pressure	3 ... 8 bar
PWIS conformity	VDMA24364-B1/B2-L
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX) in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK EX instructions To UK RoHS instructions
Authorisation	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 terminal structure	Fixed-grid
Max. number of valve positions	8

<b>Feature</b>	<b>Value</b>
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