

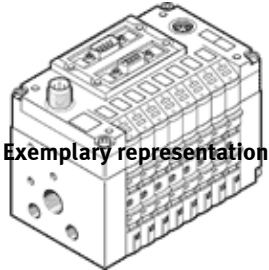
valve terminal CPV18-VI

Part number: 18220
Classic - do not use for new projects

FESTO

Valve terminal CPV, grid dimension 18 mm.

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	AS-Interface CPI installation system Individual connection Fieldbus Multi-pin plug
Electrical I/O system	Yes
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	IP65
Corrosion resistance classification CRC	1 - Low corrosion stress 2 - Moderate corrosion stress
Operating pressure MPa	-0.09 ... 1 MPa
Operating pressure	-0.9 ... 10 bar
Note on operating pressure	0 - 0.8 MPa with external pilot air 0 - 8 bar with external pilot air
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 for EMC to EU directive explosion protection (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
Authorisation	RCM Mark c UL us - Recognized (OL)
ATEX category Gas	II 3G
Explosion protection certification outside the EU	EPL Gc (GB) NEC 500 Class I, Div. 2
Explosion ignition protection type Gas	Ex ec IIC T4 Gc X
Explosion-proof ambient temperature	-5 °C ≤ Ta ≤ +50 °C
Materials note	Conforms to RoHS
Valve terminal structure	Fixed-grid
Max. number of valve positions	8

Feature	Value
Max. no. of valve functions	16
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 Vacuum generator Vacuum generator + 2/2 closed, single solenoid
Design structure	Piston slide
Sealing principle	soft
Valve size	18 mm
Pilot air supply	external Internal
Max. standard nominal flow rate	1600 l/min at 18 mm
Width	18 mm
Suitability for vacuum	Yes
Pneumatic connection, port 1	Common line
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	Common line
Pneumatic connection, port 4	G1/4
Auxiliary pilot air port 12/14	Common line
Pilot exhaust port 82/84	Common line
Signal status display	LED
Nominal operating voltage DC	24 V