



Key features



Innovative

- Small, compact valve terminal for a wide range of pneumatic applications
- Great flexibility during planning, assembly and operation
- Multi-pin interface
- Wide range of selectable valve functions; 5/2-way, 3/2-way and 2/2-way functions
- With a flow rate of 170 l/min, CPV-SC offers outstanding pneumatic performance for a wide range of applications
- Light weight

Versatile

- Provides 2 ... 16 valve positions on one terminal
- Particularly suitable for operation of small pneumatic drives in restricted installation space
- Flexibility of the pneumatic working ports provides a practical solution to different requirements
- Round silencers, integrated flat plate silencers or threaded/push-in connection for ducted exhaust air
- Suitable for vacuum
- Enables multiple pressure zones on a single valve terminal

Reliable

- Manual override
- Durable thanks to tried-and-tested piston spool valves
- Sturdy thanks to metal housing and connecting thread
- Fast troubleshooting thanks to an LED on each valve and diagnostics via fieldbus

Easy to mount

- Fully assembled and tested valve terminal
- Reduced ordering, assembly and commissioning costs
- Suitable for direct mounting even on moving system components

light emitting diodes indicate the

Reliable operation: manual over-

ride non-detenting and detenting

blanking plates reserve space for

thread or push-in connector[7] Comprehensive range of valve

 [8] Simple electrical connections: individual valve connection, Sub-D plug, ribbon cable
 [9] Quick to mount: secure directly

[1] Reduced downtimes:

switching status [2] Valve size 10 mm

Simple to extend:

additional valves

 [5] Space saving: Grid 40x40 mm Maximum 16 valves
 [6] Practical connection:

functions

using screws

[3]

[4]

Key features



Equipment options

Valve functions

- 5/2-way valve, single solenoid
- 5/2-way valve, double solenoid
- 3/2-way valve,
- normally open

Electrical connection options

Individual connection

- 2 ... 16 valve positions/ max.16 solenoid coils
- Individual connection, horizontal (H)
- Individual connection, vertical (T)

- 3/2-way valve,
- normally closed
 2/2-way valve,
- normally closed

Multi-pin

- 4 ... 16 valve positions/ max. 16 solenoid coils
- Sub-DRibbon cable

Compressed air duct (1) closedCompressed air duct (1) and

Separator plate with additional

compressed air supply

exhaust duct (3/5) closed

CP interface

- 4 ... 16 valve positions/ max. 16 solenoid coils
- Additional valve terminals CPV-SC-CPI or from CPV series

Blanking plate

• Plate without valve function for reserving a valve position

2024/04 - Subject to change

Key features

Ordering data - Product options

Individual connection



Multi-pin plug connection

Control signals to the valve terminal are transmitted via a pre-assembled multi-core cable, which substantially reduces installation time.

Configurable product

configurator.

protected.

This product and all its product

options can be ordered using the

The connection is independent of the

control technology and flexible using

pre-assembled cables. This ensures

that the connection is reverse polarity

4 to 16 solenoid coils (divided between 4 to 16 valve positions) can be selected with multi-pin plug connection.

The configurator can be found at

→ www.festo.com/catalogue/...

Enter the part number or the type.

Valves with integrated LED (CPVSC1-

M1LH- ...) are optionally available for

between 2 to 16 valve positions) can be selected with individual connection.

switching status indication.

2 to 16 solenoid coils (divided

Versions

Part no.

525675

538510

Versions

Type

CPV-SC-MP-VI CPV-SC-FB-VI

• Individual connection, horizontal

• Individual connection, vertical

• 2 to 16 solenoid coils

- Sub-D connection
- Ribbon cable connection
- 4 to 16 solenoid coils

Installation system CPI



Valve terminal for installation system CPI:

The valve terminal with CP connection is provided for connection to a higher-level bus node or to control blocks. A bus node or control block additionally enables connection of decentralised input/output units.

- The following bus protocols are supported:
- PROFIBUS DP
- DeviceNet
- CANopen ٠
- CC-Link
- EtherNet/IP
- PROFINET

•

- POWERLINK
- EtherCAT
- Sercos III

Four strings having up to 32 inputs and outputs can be connected to a bus node or control block. The connecting cables transmit the power supply for the input modules and the load voltage for the valves as well as control signals.

Additional information → Internet: cpi

Peripherals overview

Overview - CPV-SC valve terminal

Valve terminal with individual electrical connections

- Vertical individual connection Code: T
- Horizontal individual connection Code: H
- Valve terminals with individual electrical connection can be equipped with 2 to max. 16 valve positions.

Each valve position can either be equipped with a valve or a blanking plate.



- [1] Valve with vertical individual connection
- Valve with horizontal individual [2] connection
- [3] Right-hand sub-base for unducted exhaust air
- [4] Plug socket with cable for individual electrical connection of the valves
- [5] Left-hand end plate for compressed air supply 1 or 12/14
- Tie rod [6]
- Sub-base for working ports [7] (push-in fitting or thread)
- [8] Inscription label holder [9]
 - Silencer

Peripherals overview

Valve terminal with electrical multi-pin plug connection

- 15-pin and 26-pin Sub-D multi-pin plug connection
- Code: MS, MH
- or
- 20-pin multi-pin plug connection with connector for ribbon cable
- Code: MF

Valves and end plates are the basic pneumatic components of the valve terminal.

The valve terminals are connected to the end plates using tie rods.

Valve terminals with electrical multipin plug connection can be equipped with 4 to max. 16 valve positions. Each valve position can either be equipped with a valve or a blanking plate. The electrical connection is located on the left-hand side, enabling a particularly flat installation.



- Electrical control unit (with LED switching status indications) for Sub-D plug or ribbon cable
- [2] Left-hand end plate for compressed air supply 1 or 12/14
- [3] Right-hand end plate for ducted exhaust air or silencer (3/5 or 82/84)

[4] Valve

- [5] Cover cap for manual override, manually operated without accessories (code Y)
- [6] Cover cap for manual override, MO blocked (code V)
- [7] Cover cap coded, MO non-detenting (code K)
- [8] Sub-base for working ports (push-in fitting or thread)
- [9] Tie rod
- [10] Electrical valve linking module
- [11] Inscription label holder
- [12] H-rail mounting
- [13] Blanking plate for vacant position

Peripherals overview

Valve terminal with CPI connection

- CP interface M9, 5-pin
- Code: CP

- Valves and end plates are the basic pneumatic components of the valve terminal.
- The valve terminals are connected to the end plates using tie rods.

Valve terminals with CP interface can be equipped with 4 to max. 16 valve positions. Each valve position can either be equipped with a valve or a blanking plate. The electrical connection is in the same direction as the tubing connection in order to save space.

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- [1] CPI connection
- [2] Left-hand end plate for compressed air supply 1 or 12/14
- [3] Right-hand end plate for ducted exhaust air or silencer (3/5 or 82/84)
- [4] Valve

- [5] Cover cap for manual override, manually operated without accessories (code Y)
- [6] Cover cap for manual override, MO blocked (code V)
- [7] Cover cap coded, MO non-detenting (code K)
- [8] Sub-base for working ports (push-in fitting or thread)
- [9] Tie rod

- [10] Electrical valve linking module
- [11] Inscription label holder
- [12] H-rail mounting
- [13] Blanking plate for vacant position

Valves

Valves CPVSC1 are valves with integrated sub-bases, i.e. in addition to the valve function they also include all ducts for supply, exhaust and for the working connections. The supply ducts are the central component of the valve slices and enable direct through flow. This makes it possible to achieve maximum flow rates. All valves have a pneumatic pilot control for optimising performance. The valve function is based on a piston spool system with patented sealing principle, ensuring a broad range of applications and long service life.

Valve functions	Code	Circuit symbol	Valve size 10 mm	Description
	M		•	5/2-way valve, single solenoidPneumatic spring return
	N		•	3/2-way valve, single solenoidNormally openPneumatic spring return
	К		•	3/2-way valve, single solenoidNormally closedPneumatic spring return
	D		•	2/2-way valve, single solenoidNormally closedPneumatic spring return
	J	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	•	5/2-way valve, double solenoid This valve consists of two valve housings and therefore occupies two valve positions. The pilot control with coil 12 is situated on the left and marked "J12". If both coils are actuated, the signal on port "14" dominates in the switching position.

📲 - Note

A filter must be installed upstream of valves operated in vacuum mode. This prevents any foreign matter in the intake air getting into the valve (e.g. when operating a suction cup with connector).



When configuring the compressed air supply code S or T (exhaust via flat plate silencer), a push-in silencer UC-QS-4H is included for plates with supply port.

Design



Valve replacement

Materials

Valves can be replaced quickly and easily in just a few movements. Separating seals between the valves are based on a metal support and are secured in place.

The valve housing and thread in the

sub-bases are made of metal; further

housing parts are made of sturdy

Extension

Valves can be ordered as accessories and are available with fully assembled sub-bases with QS push-in fittings or threaded connections. The valve terminal can thus be extended with additional functions by replacing blanking plates.

Valves have the valve code on the front and the product type on the back to facilitate ordering.

- Note

The valve with working sub-base is a unit that has been tested for leakage by Festo.

Pilot air supply

The port for the main pneumatic supply is located on the left-hand end plate.

The ports differ for the following types of pilot air supply:

- Internal
- External

Internal pilot air supply

Internal pilot air supply can be selected if the terminal is working in an operating pressure range between 3 and 7 bar.

The pilot air supply is then branched from the compressed air supply 1 in the left-hand end plate using an internal connection. Port 12/14 is sealed with a blanking plug.

External pilot air supply

plastic materials.

External pilot air supply must be used if the valve terminal CPV-SC is working in an operating pressure range of -0.9to 3 bar. In this case, the pilot air is additionally supplied via port 12/14 on the left-hand end plate.

Creating pressure zones and separating exhaust air

The valve terminal CPV-SC can be operated with several pressure zones. For more than two pressure zones, a supply port with duct separation is required for each additional pressure zone. It always occupies one valve

- 闄 - Note

Larger cylinders or those operated simultaneously generate a backpressure in the exhaust duct of the valve terminal; the level of this pressure depends on the exhaust capacity of the silencer. In order to prevent interaction with adjacent valves, valves position. An isolating disc T is used to separate the compressed air supply for groups of valves situated to the left and right of the compressed air supply. The pressure zone on the right is supplied at port 4 of the supply plate. Port

2 allows additional exhausting of the left-hand pressure zone. All exhaust ducts for the valves are connected to one another and exhausted via the right-hand end plate. An isolating disc S is used to separate the two exhaust ducts 3 and 5 in addition to the pressure duct 1.

can be separated by means of duct separation using isolating disc S. The pressure zone situated to the left of an isolating disc S is exhausted via the supplied push-in silencer. If there are more than two valves in such a pressure zone, a further supply port with additional exhaust may be necessary. It is therefore advantageous to have higher exhaust requirements in the pressure zone that is exhausted through the right-hand end plate.



Ports for supply and exhaust

Supply and exhaust		
A basic feature of a CPV-SC valve	one is for exhausting the valve	silencer, a round silencer or through a
terminal are the two end plates.	terminal.	push-in or threaded connection.
The left-hand end plate is for com-	The exhaust air escapes optionally	
pressed air supply and the right-hand	through an integrated flat plate	

Connections for exhaust

Connect	ions for exhaust
Code	Description
S	 Internal pilot air supply Exhaust from duct 3/5 an 82/84 via a flat plate silencer Replacement part (insert) for flat plate silencer type CPVSC1-UA
T	External pilot air supply Exhaust from duct 3/5 an 82/84 via a flat plate silencer Replacement part (insert) for flat plate silencer type CPVSC1-UA
V	Internal pilot air supply Exhaust from duct 3/5 and 82/84 via ducted exhaust air
Х	External pilot air supply Exhaust from duct 3/5 and 82/84 via ducted exhaust air
Y	 Internal pilot air supply Exhaust from duct 3/5 and 82/84 via round silencer
Z	 External pilot air supply Exhaust from duct 3/5 and 82/84 via round silencer



Protective circuit



Electrical multi-pin plug connection

There are two multi-pin connection types to choose from for valve terminal CPV-SC:

- Sub-D multi-pin plug connection (15-and 26-pin) or
- Multi-pin plug connection with contact strip for ribbon cable (20-pin)

Electrical multi-pin plug connection - Sub-D Code MS, MH



With this electrical connection variant, all valves are controlled centrally via the 15- and 26-pin connector plug. The electrical connection is located on the left-hand side.

The CPV-SC is connected via a multi-pin

connection with Sub-D or ribbon cable.

Each pin of the multi-pin plug is allo-

cated to max. one valve position and

thus to one coil or address.

1	
Ordering data – Sub-D connecting cable	
	1

Ordening data – Sub-D connecting cable	Code	Description	Length [m]	Part no.	Туре
	CP 15-pin for 12 coils (code MS)	15-pin for 12 coils (code MS)	2.5	527543	КМР6-15Р-12-2.5
	CQ	aterial: PVC 5	5	527544	KMP6-15P-12-5
	CR		10	527545	KMP6-15P-12-10
	CP 2	26-pin for 16 coils (code MH)	2.5	527546	KMP6-26P-16-2.5
1 10 100000 CO	CQ	Material: PVC	5	527547	KMP6-26P-16-5
	CR		10	527548	KMP6-26P-16-10

Each solenoid coil is protected with a spark arresting protective circuit as well as against polarity reversal.

Double-solenoid valves "J" occupy two valve positions. The left-hand valve position with pilot control 12 is controlled by the lower of the two address values.

Pin allocation for 15-pin Sub-D (code MS)

KMP6-15P-12	Description	Pin	Wire colour	Address/coil
	Plug socket with cable for the valve terminal	1	White	Coil O
	CPV-SC with max. 12 valve positions	2	Brown	Coil 1
		3	Green	Coil 2
		4	Yellow	Coil 3
		5	Grey	Coil 4
		6	Pink	Coil 5
130		7	Blue	Coil 6
0.6		8	Red	Coil 7
		9	Black	Coil 8
	A	10	Violet	Coil 9
	- 闄 - Note	11	Grey-pink	Coil 10
	The drawing shows a view of the Sub-D	12	Red-blue	Coil 11
	socket on the multi-pin cable	13	White-green	n.c.
	KMP6-15P-12	14	Brown-green	0 V ¹⁾
		15	White-yellow	0 V ¹⁾

1) Pin 14 to pin 15 are bridged in the valve terminal

0 V for positive switching control signals; 24 V can be connected for negative switching control signals

Pin allocation for 26-pin Sub-D (code MH)

КМР6-26Р-16	Description	Pin	Wire colour	Allocation						
	Plug socket with cable for the valve terminal	1	White	Coil 0						
9(000000000)1	CPV-SC with 16 valve positions	2	Brown	Coil 1						
18\00000000/10		3	Green	Coil 2						
26 0000000 J19		4	Yellow	Coil 3						
		5	Grey	Coil 4						
		6	Pink	Coil 5						
		7	Blue	Coil 6						
		8	Red	Coil 7						
		9	Black	Coil 8						
		10	Violet	Coil 9						
		11	Grey-pink	Coil 10						
		12	Red-blue	Coil 11						
		13	White-green	Coil 12						
		14	Brown-green	Coil 13						
		15	White-yellow	Coil 14						
		16	Yellow-brown	Coil 15						
		17	-	n.c						
		18	-	n.c.						
				19	-	n.c.				
	≜	21	-	n.c.						
	- 闄 - Note	22	-	n.c.						
	The drawing shows a view of the Sub-D	23	White-grey	0 V ¹⁾						
	socket on the multi-pin cable	24	Grey-brown	0 V ¹⁾						
	KMP6-26P-12	25	White-pink	0 V ¹⁾						
	1011 0 201 12	26	Pink-brown	0 V ¹⁾						

1) Pin 17 to pin 22 are bridged in the valve terminal

0 V for positive switching control signals; 24 V can be connected for negative switching control signals

Electrical multi-pin plug connection – Connector for ribbon cable Code MF



With this electrical connection variant, all valves are controlled centrally via the 20-pin connector plug. The electrical connection is located on the left-hand side.

Pin allocation – Connector for ribbon cable (code MF)

		Pin	Allocation
	Valve terminal CPV-SC with up to 16 valve	1	Coil O
	positions and 20-pin multi-pin socket for	2	Coil 1
20+ +19	ribbon cables to DIN 41561-1, -2 or	3	Coil 2
18+ +17	IEC 60603-13-C020FD-7C1E-2G	4	Coil 3
		5	Coil 4
	Contact surface gold	6	Coil 5
	Ribbon cable with grid of 1.27 mm Conductor cross section 0.13 mm ²	7	Coil 6
12+ +11		8	Coil 7
10+ + 9		9	Coil 8
		10	Coil 9
6+ + 5		11	Coil 10
		12	Coil 11
4+ + 3		13	Coil 12
		14	Coil 13
		15	Coil 14
		16	Coil 15
		17	0 V ¹⁾
		18	0 V ¹⁾
		19	0 V ¹⁾
		20	0 V ¹⁾

1) Pin 17 to pin 20 are bridged in the valve terminal.

CP connection



All CP valve terminals and CP modules are connected using a ready-toinstall CP cable, and are attached to the CP interface. Four modules in each case, for example one valve terminal CPV-SC and one to three CP input modules, make up an installation string that ends at the CP interface. The installation system supports a maximum of 4 installation strings that can be connected to a bus node. The CP interface of CPV-SC is represented in the CP/CPI system as a module having 16 outputs.

Additional information → Internet: cpi



Example:

Valve terminal in which valve positions 5 and 6 are prepared for a double-solenoid valve.

[1] Single solenoid valves occupy one valve position

Addresses are allocated to valve positions on the CPV-SC from left to right. Each valve position occupies one address, regardless of whether a valve is mounted or not. [2] Double-solenoid valves occupy two valve positions

Double-solenoid valves "J" occupy two valve positions. The left-hand valve position with pilot control 12 is controlled by the lower of the two address values.

Key features – Display and operation

Display and operation

Manual override (MO)

Each solenoid coil is assigned an LED on the command unit for switching status indication. Inscription labels (type MH-BZ-80x) can be applied to each valve for labelling purposes. The manual override (MO) enables the valve to be switched when not electrically actuated or energised. The valve is switched by pushing the manual override. The set switching status can also be locked by turning the manual override. The cover cap (detenting without accessories, code Y) can be used to operate the manual override without any tools.

A cover can be fitted over the manual override to prevent it from being accidentally activated (code V).

- Manual override, MO non-detenting or detenting by turning (code N – without cover cap)
 Cover cap coded, MO non-de
 - tenting (code K with coded cover cap)
 - Cover cap for manual override, MO blocked (code V)

- Note

A manually operated valve (manual override) cannot be reset electrically. Conversely, an electrically actuated valve cannot be reset using the mechanical manual override.

- [4] Cover cap, MO manually operated without accessories (code Y – with cover cap)
- [5] LED signal status indication for each valve position
- [6] Numbering of valve positions
- [7] Location for valve position inscription label (type MH-BZ-80x)

MO with automatic return (non-detenting), code N – without cover cap



Manual override is actuated by pushing it with a pointed object or screwdriver and reset by spring force.

MO with lock (detenting), code N – without cover cap



Manual override remains active until it is reset with a screwdriver.

MO with automatic return (non-detenting), code K – with coded cover cap



MO is actuated by pushing it with a pointed object or screwdriver and reset by spring force (detenting position prevented by coded cover cap). MO with lock (detenting without accessories), code Y – with cover cap



Manual override remains active until it is reset manually (without any aids).

Key features – Display and operation



- [2] Status LED for CP communication

Inscription label holder

Q



The transparent inscription label holder provides sufficient space for individually created labels on paper or film.

2

4

3

Labelling templates are available on the Festo website:

- → www.festo.com
- in the "Downloads" area under "Software".



Key features – Types of mounting

Mounting – Valve terminal



H-rail mounting



The mounting CPVSC1-HS35 facilitates mounting on an H-rail to EN 60715.



The valve terminal CPV-SC is attached to the H-rail \rightarrow arrow [4]. It is then swivelled onto the H-rail and secured in place with the clamping component \rightarrow arrow [5].

- [1] Holes for wall mounting
- [2] Self-tapping M4x10 screw for H-rail clamping unit
- [3] Clamping element of the H-rail clamping unit

Mounting holes for screws M3

Data sheet

Operating fluids

Operate your system with unlubricated compressed air if possible. Festo valves and cylinders are designed so that, if used as intended, they will not require additional lubrication and will still achieve a long service life. The quality of compressed air downstream of the compressor must correspond to that of unlubricated compressed air. If possible, do not operate the entire system with lubricated compressed air. The lubricators should, where possible, always be installed directly upstream of the cylinders used. Incorrect additional oil and too high an oil content in the compressed air reduce the service life of the valve terminal.

Use Festo special oil OFSW-32 or the alternatives listed in the Festo catalogue (as specified in DIN 51524 HLP32; basic oil viscosity 32 CST at 40°C).

Bio-oils

When using bio-oils (oils which are based on synthetic or native esters, e.g. rapeseed oil methyl ester), the maximum residual oil content of 0.1 mg/m³ must not be exceeded (see ISO 8573-1 Class 2).

Mineral oils

When using mineral oils (e.g. HLP oils to DIN 51524, parts 1 to 3) or similar oils based on poly-alpha-olefins (PAO), the maximum residual oil content of 5 mg/m³ must not be exceeded (see ISO 8573-1 Class 4).

A higher residual oil content is not permitted, regardless of the compressor oil, because the permanent lubrication would otherwise be flushed out over a period of time.

Data sheet

- N Flow rate 170 l/min
- **ГЈ** Valve width 10 mm
- **L** Voltage 5, 12, 24 V DC

General technical data

Valve		5/2-way valve		3/2-way valve	3/2-way valve			
		Single solenoid	Double solenoid	Normal position	Normal position	Normal position		
				Open	Closed	Closed		
Valve function order code		Μ	J	Ν	К	D		
Design		Electromagnetically ac	tuated piston spool valve					
Reset method		Pneumatic spring	-	Pneumatic spring	Pneumatic spring	Pneumatic spring		
Valve size	[mm]	10		10		10		
Nominal width	[mm]	2.5		2.5		2.5		
Standard nominal flow rate	[l/min]	170		170		150		
Sealing principle		Soft						
Overlap		Positive overlap						
Type of control		Piloted						
Lubrication		Lifetime lubrication						
Type of mounting		Wall mounting						
Mounting position		Any						
Manual override		Non-detenting/detenting/covered						
Exhaust air function		Cannot be throttled						
Flow direction		Non-reversible						
Pneumatic connections								
Supply	1	M7,QS-6						
Exhaust port	3/5	M7, QS-6, round silen	cer or integrated flat plate sile	encer				
Working ports	2/4	Dependent on the con	nection type selected					
		• M5						
		• QS-3						
		• QS-4						
Pilot air connection	12/14	M5, QS-4						
Pilot exhaust air port	82/84	M5, QS-4, round silen	cer or integrated flat plate sile	encer				

Data sheet

Pilot pressure p2 as a function of working pressure p1



Valve switching times [ms]

valve switching times [ins]						
Valve function order code		м]	N	К	D
Switching times	On	10	-	10	10	10
	Off	10	-	10	10	10
	Changeover	-	8	-	-	-

Operating and environmental conditions		Fieldbus connection	Multi-pin plug connection
Operating medium	-	Compressed air to ISO 8573-1:2010 [7:4:4] → page 21	Compressed air to ISO 8573-1:2010 [7:4:4] → page 21
Note on the operating/pilot medium		Lubricated operation possible (in which case lubricated operation will always be required)	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC		11)	11)
PWIS criterion		Free	Free
Certification		c UL us - Recognized (OL)	c UL us - Recognized (OL)
Operating pressure	[MPa]	-0.09 +0.7	-0.09 +0.7
	[bar]	-0.9 +7	-0.9 +7
Operating pressure for valve terminal with internal pilot air supply	[MPa]	0.3 0.7	0.3 0.7
	[bar]	37	37
Pilot pressure	[MPa]	0.3 0.7	0.3 0.7
	[bar]	37	37
Ambient temperature	[°C]	-5 +50	-5 +50
Temperature of medium	[°C]	-5 +50	-5 +50
		To EU EMC Directive ²⁾	To EU EMC Directive ²⁾
		To UK instructions for EMC ²⁾	-
KC mark		KC EMC	KC EMC
Note on materials		RoHS-compliant	RoHS-compliant

1) Corrosion resistance class CRC 1 according to Festo standard FN 940070

Low corrosion stress. Dry indoor application or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, or parts that are covered in the application (e.g. drive pins).

2) For information about the area of use, see the declaration of conformity at: www.festo.com/catalogue/cpv -> Support/Downloads.

If the devices are subject to usage restrictions in residential, commercial or light-industrial environments, further measures for the reduction of the emitted interference may be necessary.

[1] Operating range for valves with external pilot air supply

Data sheet

Electrical data

Electrical data				
Electrical control			Individual connection	
			Multi-pin	
			CP fieldbus	
Electromagnetic compatibility of the	valve terminal CPV-SC with Sul	b-D or	Interference emission tested to DIN EN 61000-6-4, industry	
ribbon cable connection			Interference immunity ¹⁾ tested to DIN EN 61000-6-2, industry	
Protection against electric shock (protection against direct and indirect contact as per EN 60204-1/IEC 204)		irect contact	Via PELV power supply	
Nominal operating voltage	Multi-pin plug connection	[V DC]	24	
	Individual connection	[V DC]	5, 12, 24	
Permissible voltage fluctuations		[%]	±10	
Characteristic coil data	Nominal voltage	[V DC]	5, 12, 22, 24	
	Electrical power	[W]	1	
	consumption			
Duty cycle ED			100% at 40°C ambient temperature	
Degree of protection to EN 60529			IP40 (in assembled state and with detenting plug)	
Relative humidity [%]		[%]	90% at 40°C, non-condensing	

1) The maximum signal cable length is 10 m

Materials

Materials		
Electrical interface	Polymer	
End plate, electrical sub-base	Polymer	
Seals	NBR	
Valve sub-base	Die-cast aluminium	
Sub-base for working ports	PA	

Product weight [g]

Product weight [g]		
Single solenoid valves (code M, N, K, D)	30.5	
Double solenoid valves (code J)	56.5	
Vacant position	22.5	
Right-hand end plate	42.5	
Left-hand end plate	28	
Actuator housing	43	
Tie rod, 16-fold	29.6	
Electrical manifold module, 16-fold	64	
Electrical interface CPI	150	

Data sheet



Data sheet



Accessories

		Part no.	Туре	
\wedge	Solenoid valve with M5 connections			
	5/2-way valve, single solenoid	527550	CPVSC1-M1H-M-P-M5	
	5/2-way valve, double solenoid	527553	CPVSC1-M1H-J-P-M5	
	3/2-way valve, normally open	527551	CPVSC1-M1H-N-P-M50	
	3/2-way valve, normally closed	527552	CPVSC1-M1H-K-P-M5C	
	2/2-way valve, normally closed	527554	CPVSC1-M1H-D-P-M5C	
	Solenoid valve with QS-3 push-in connectors			
	5/2-way valve, single solenoid	527555	CPVSC1-M1H-M-P-Q3	
<u>^</u>	5/2-way valve, double solenoid	527558	CPVSC1-M1H-J-P-Q3	
	3/2-way valve, normally open	527556	CPVSC1-M1H-N-P-Q30	
Xe 1	3/2-way valve, normally closed	527557	CPVSC1-M1H-K-P-Q3C	
N N AQ	2/2-way valve, normally closed	527559	CPVSC1-M1H-D-P-Q3C	
	Solenoid valve with QS-4 push-in connectors			
	5/2-way valve, single solenoid	527560	CPVSC1-M1H-M-P-Q4	
	5/2-way valve, double solenoid	527563	CPVSC1-M1H-J-P-Q4	
\checkmark	3/2-way valve, normally open	527561	CPVSC1-M1H-N-P-Q40	
	3/2-way valve, normally closed	527562	CPVSC1-M1H-K-P-Q4C	
	2/2-way valve, normally closed	527564	CPVSC1-M1H-D-P-Q4C	
~				
$\langle \$	Plates with integrated connections Vacant position, with cover plate 527527 CPVSC1-RP-B			
	vacant position, with cover plate	52/52/	CrvSC1-KF-D	
\checkmark				
~	Supply plate M5			
<u> </u>	Duct 1 separate	527528	CPVSC1-SP-P-M5	
	Duct 1/3/5 separate	527530	CPVSC1-SP-PRS-M5	
	Without duct separation	527532	CPVSC1-SP-M5	
	Supply plate, QS-4 push-in connector			
	Duct 1 separate	527529	CPVSC1-SP-P-Q4	
	Duct 1/3/5 separate	527531	CPVSC1-SP-PRS-Q4	
- []	Without duct separation	527533	CPVSC1-SP-Q4	

Accessories

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Ordering data - Valves with individual electrical connection, detenting manual override, plug at top, 24 V DC



	Part no.	Туре
Solenoid valve with M5 connections		
5/2-way valve, single solenoid	547276	CPVSC1-M1H-M-T-M5
5/2-way valve, double solenoid	547277	CPVSC1-M1H-J-T-M5
3/2-way valve, normally open	547275	CPVSC1-M1H-N-T-M50
3/2-way valve, normally closed	547274	CPVSC1-M1H-K-T-M5C
2/2-way valve, normally closed	547273	CPVSC1-M1H-D-T-M5C
Solenoid valve with M5 connections and LED		
5/2-way valve, single solenoid	547306	CPVSC1-M1LH-M-T-M5
5/2-way valve, double solenoid	547307	CPVSC1-M1LH-J-T-M5
3/2-way valve, normally open	547305	CPVSC1-M1LH-N-T-M50
3/2-way valve, normally closed	547304	CPVSC1-M1LH-K-T-M5C
2/2-way valve, normally closed	547303	CPVSC1-M1LH-D-T-M5C
Solenoid valve with QS-3 push-in connectors		
5/2-way valve, single solenoid	547281	CPVSC1-M1H-M-T-Q3
5/2-way valve, double solenoid	547282	CPVSC1-M1H-J-T-Q3
3/2-way valve, normally open	547280	CPVSC1-M1H-N-T-Q30
3/2-way valve, normally closed	547279	CPVSC1-M1H-K-T-Q3C
2/2-way valve, normally closed	547278	CPVSC1-M1H-D-T-Q3C
Solenoid valve with QS-3 push-in connectors and LED		
5/2-way valve, single solenoid	547311	CPVSC1-M1LH-M-T-Q3
5/2-way valve, double solenoid	547312	CPVSC1-M1LH-J-T-Q3
3/2-way valve, normally open	547310	CPVSC1-M1LH-N-T-Q30
3/2-way valve, normally closed	547309	CPVSC1-M1LH-K-T-Q3C
2/2-way valve, normally closed	547308	CPVSC1-M1LH-D-T-Q3C
Solenoid valve with QS-4 push-in connectors		
5/2-way valve, single solenoid	547286	CPVSC1-M1H-M-T-Q4
5/2-way valve, double solenoid	547287	CPVSC1-M1H-J-T-Q4
3/2-way valve, normally open	547285	CPVSC1-M1H-N-T-Q40
3/2-way valve, normally closed	547284	CPVSC1-M1H-K-T-Q4C
2/2-way valve, normally closed	547283	CPVSC1-M1H-D-T-Q4C
Solenoid valve with QS-4 push-in connectors and LED		
5/2-way valve, single solenoid	547316	CPVSC1-M1LH-M-T-Q4
5/2-way valve, double solenoid	547317	CPVSC1-M1LH-J-T-Q4
3/2-way valve, normally open	547315	CPVSC1-M1LH-N-T-Q40
3/2-way valve, normally closed	547314	CPVSC1-M1LH-K-T-Q4C
2/2-way valve, normally closed	547313	CPVSC1-M1LH-D-T-Q4C

Accessories

Ordering data – Valves with individual electrical connection, detenting manual override, plug at rear, 24 V DC



	Part no.	Туре
Solenoid valve with M5 connections		
5/2-way valve, single solenoid	547291	CPVSC1-M1H-M-H-M5
5/2-way valve, double solenoid	547292	CPVSC1-M1H-J-H-M5
3/2-way valve, normally open	547290	CPVSC1-M1H-N-H-M50
3/2-way valve, normally closed	547289	CPVSC1-M1H-K-H-M5C
2/2-way valve, normally closed	547288	CPVSC1-M1H-D-H-M5C
Solenoid valve with M5 connections and LED		
5/2-way valve, single solenoid	547322	CPVSC1-M1LH-M-H-M5
5/2-way valve, double solenoid	547323	CPVSC1-M1LH-J-H-M5
3/2-way valve, normally open	547321	CPVSC1-M1LH-N-H-M50
3/2-way valve, normally closed	547320	CPVSC1-M1LH-K-H-M5C
2/2-way valve, normally closed	547318	CPVSC1-M1LH-D-H-M5C
Solenoid valve with QS-3 push-in connectors		
5/2-way valve, single solenoid	547296	CPVSC1-M1H-M-H-Q3
5/2-way valve, double solenoid	547297	CPVSC1-M1H-J-H-Q3
3/2-way valve, normally open	547295	CPVSC1-M1H-N-H-Q30
3/2-way valve, normally closed	547294	CPVSC1-M1H-K-H-Q3C
2/2-way valve, normally closed	547293	CPVSC1-M1H-D-H-Q3C
Solenoid valve with QS-3 push-in connectors and LED		
5/2-way valve, single solenoid	547327	CPVSC1-M1LH-M-H-Q3
5/2-way valve, double solenoid	547328	CPVSC1-M1LH-J-H-Q3
3/2-way valve, normally open	547326	CPVSC1-M1LH-N-H-Q30
3/2-way valve, normally closed	547325	CPVSC1-M1LH-K-H-Q3C
2/2-way valve, normally closed	547324	CPVSC1-M1LH-D-H-Q3C
Solenoid valve with QS-4 push-in connectors		
5/2-way valve, single solenoid	547301	CPVSC1-M1H-M-H-Q4
5/2-way valve, double solenoid	547302	CPVSC1-M1H-J-H-Q4
3/2-way valve, normally open	547300	CPVSC1-M1H-N-H-Q40
3/2-way valve, normally closed	547299	CPVSC1-M1H-K-H-Q4C
2/2-way valve, normally closed	547298	CPVSC1-M1H-D-H-Q4C
Solenoid valve with QS-4 push-in connectors and LED		
5/2-way valve, single solenoid	547332	CPVSC1-M1LH-M-H-Q4
5/2-way valve, double solenoid	547333	CPVSC1-M1LH-J-H-Q4
3/2-way valve, normally open	547331	CPVSC1-M1LH-N-H-Q40
3/2-way valve, normally closed	547330	CPVSC1-M1LH-K-H-Q4C
2/2-way valve, normally closed	547329	CPVSC1-M1LH-D-H-Q4C

Accessories

Ordering data – Valves with individual electrical connection, non-detenting manual override, plug at top, 24 V DC

		Part no.	Туре
a la	Solenoid valve with M5 connections		
	5/2-way valve, single solenoid	548037	CPVSC1-M1HT-M-T-M5
	5/2-way valve, double solenoid	548038	CPVSC1-M1HT-J-T-M5
	3/2-way valve, normally open	548036	CPVSC1-M1HT-N-T-M50
	3/2-way valve, normally closed	548035	CPVSC1-M1HT-K-T-M5C
	2/2-way valve, normally closed	548034	CPVSC1-M1HT-D-T-M5C
	Solenoid valve with QS-3 push-in connectors		
	5/2-way valve, single solenoid	548043	CPVSC1-M1HT-M-T-Q3
	5/2-way valve, double solenoid	548044	CPVSC1-M1HT-J-T-Q3
	3/2-way valve, normally open	548042	CPVSC1-M1HT-N-T-Q30
	3/2-way valve, normally closed	548041	CPVSC1-M1HT-K-T-Q3C
	2/2-way valve, normally closed	548040	CPVSC1-M1HT-D-T-Q3C
	Solenoid valve with QS-4 push-in connectors		
	5/2-way valve, single solenoid	548048	CPVSC1-M1HT-M-T-Q4
	5/2-way valve, double solenoid	548049	CPVSC1-M1HT-J-T-Q4
	3/2-way valve, normally open	548047	CPVSC1-M1HT-N-T-Q40
	3/2-way valve, normally closed	548046	CPVSC1-M1HT-K-T-Q4C
	2/2-way valve, normally closed	548045	CPVSC1-M1HT-D-T-Q4C

Ordering data – Valves with individual electrical connection, non-detenting manual override, plug at rear, 24 V DC

Ordering data – valves v	vith individual electrical connection, non-detenting manual override, plug at rear, 24 v DC	Part no.	Туре
^	Colored a share with ME connections	runno.	ijpe
$\langle \rangle$	Solenoid valve with M5 connections	1	
A Vie	5/2-way valve, single solenoid	548053	CPVSC1-M1HT-M-H-M5
	5/2-way valve, double solenoid	548054	CPVSC1-M1HT-J-H-M5
	3/2-way valve, normally open	548052	CPVSC1-M1HT-N-H-M50
	3/2-way valve, normally closed	548051	CPVSC1-M1HT-K-H-M5C
	2/2-way valve, normally closed	548050	CPVSC1-M1HT-D-H-M5C
	Solenoid valve with QS-3 push-in connectors		
\bigvee	5/2-way valve, single solenoid	548058	CPVSC1-M1HT-M-H-Q3
	5/2-way valve, double solenoid	548059	CPVSC1-M1HT-J-H-Q3
	3/2-way valve, normally open	548057	CPVSC1-M1HT-N-H-Q30
	3/2-way valve, normally closed	548056	CPVSC1-M1HT-K-H-Q3C
	2/2-way valve, normally closed	548055	CPVSC1-M1HT-D-H-Q3C
	Solenoid valve with QS-4 push-in connectors		
	5/2-way valve, single solenoid	548063	CPVSC1-M1HT-M-H-Q4
	5/2-way valve, double solenoid	548064	CPVSC1-M1HT-J-H-Q4
	3/2-way valve, normally open	548062	CPVSC1-M1HT-N-H-Q40
	3/2-way valve, normally closed	548061	CPVSC1-M1HT-K-H-Q4C
	2/2-way valve, normally closed	548060	CPVSC1-M1HT-D-H-Q4C

Accessories

Ordering data – Valves with individual electrical connection, detenting manual override, plug at top, 12 V DC

	Part no.	Туре
Solenoid valve with M5 connections		
5/2-way valve, single solenoid	547367	CPVSC1-M5H-M-T-M5
5/2-way valve, double solenoid	547368	CPVSC1-M5H-J-T-M5
3/2-way valve, normally open	547366	CPVSC1-M5H-N-T-M50
3/2-way valve, normally closed	547365	CPVSC1-M5H-K-T-M5C
2/2-way valve, normally closed	547364	CPVSC1-M5H-D-T-M5C
Solenoid valve with QS-3 push-in connectors		
5/2-way valve, single solenoid	547372	CPVSC1-M5H-M-T-Q3
5/2-way valve, double solenoid	547373	CPVSC1-M5H-J-T-Q3
3/2-way valve, normally open	547371	CPVSC1-M5H-N-T-Q30
3/2-way valve, normally closed	547370	CPVSC1-M5H-K-T-Q3C
2/2-way valve, normally closed	547369	CPVSC1-M5H-D-T-Q3C
Solenoid valve with QS-4 push-in connectors		
5/2-way valve, single solenoid	547377	CPVSC1-M5H-M-T-Q4
5/2-way valve, double solenoid	547378	CPVSC1-M5H-J-T-Q4
3/2-way valve, normally open	547376	CPVSC1-M5H-N-T-Q40
3/2-way valve, normally closed	547375	CPVSC1-M5H-K-T-Q4C
2/2-way valve, normally closed	547374	CPVSC1-M5H-D-T-Q4C

Ordering data – Valves with individual electrical connection, non-detenting manual override, plug at rear, 12 V DC

-		Part no.	Туре
\frown	Solenoid valve with M5 connections		
	5/2-way valve, single solenoid	547382	CPVSC1-M5H-M-H-M5
	5/2-way valve, double solenoid	547383	CPVSC1-M5H-J-H-M5
	3/2-way valve, normally open	547381	CPVSC1-M5H-N-H-M50
	3/2-way valve, normally closed	547380	CPVSC1-M5H-K-H-M5C
	2/2-way valve, normally closed	547379	CPVSC1-M5H-D-H-M5C
	Solenoid valve with QS-3 push-in connectors		
	5/2-way valve, single solenoid	547387	CPVSC1-M5H-M-H-Q3
	5/2-way valve, double solenoid	547388	CPVSC1-M5H-J-H-Q3
	3/2-way valve, normally open	547386	CPVSC1-M5H-N-H-Q30
	3/2-way valve, normally closed	547385	CPVSC1-M5H-K-H-Q3C
	2/2-way valve, normally closed	547384	CPVSC1-M5H-D-H-Q3C
	Solenoid valve with QS-4 push-in connectors		
	5/2-way valve, single solenoid	547392	CPVSC1-M5H-M-H-Q4
	5/2-way valve, double solenoid	547393	CPVSC1-M5H-J-H-Q4
	3/2-way valve, normally open	547391	CPVSC1-M5H-N-H-Q40
	3/2-way valve, normally closed	547390	CPVSC1-M5H-K-H-Q4C
	2/2-way valve, normally closed	547389	CPVSC1-M5H-D-H-Q4C

Accessories

Ordering data - Valves with individual electrical connection, detenting manual override, plug at top, 5 V DC

_		Part no.	Туре
	Solenoid valve with M5 connections		
	5/2-way valve, single solenoid	547337	CPVSC1-M4H-M-T-M5
	5/2-way valve, double solenoid	547338	CPVSC1-M4H-J-T-M5
	3/2-way valve, normally open	547336	CPVSC1-M4H-N-T-M50
	3/2-way valve, normally closed	547335	CPVSC1-M4H-K-T-M5C
	2/2-way valve, normally closed	547334	CPVSC1-M4H-D-T-M5C
	Solenoid valve with QS-3 push-in connectors		
	5/2-way valve, single solenoid	547342	CPVSC1-M4H-M-T-Q3
	5/2-way valve, double solenoid	547343	CPVSC1-M4H-J-T-Q3
	3/2-way valve, normally open	547341	CPVSC1-M4H-N-T-Q30
	3/2-way valve, normally closed	547340	CPVSC1-M4H-K-T-Q3C
	2/2-way valve, normally closed	547339	CPVSC1-M4H-D-T-Q3C
	Solenoid valve with QS-4 push-in connectors		
	5/2-way valve, single solenoid	547347	CPVSC1-M4H-M-T-Q4
	5/2-way valve, double solenoid	547348	CPVSC1-M4H-J-T-Q4
	3/2-way valve, normally open	547346	CPVSC1-M4H-N-T-Q4O
	3/2-way valve, normally closed	547345	CPVSC1-M4H-K-T-Q4C
	2/2-way valve, normally closed	547344	CPVSC1-M4H-D-T-Q4C

Ordering data – Valves with individual electrical connection, non-detenting manual override, plug at rear, 5 V DC

		Part no.	Туре
\frown	Solenoid valve with M5 connections		
	5/2-way valve, single solenoid	547352	CPVSC1-M4H-M-H-M5
	5/2-way valve, double solenoid	547353	CPVSC1-M4H-J-H-M5
	3/2-way valve, normally open	547351	CPVSC1-M4H-N-H-M50
	3/2-way valve, normally closed	547350	CPVSC1-M4H-K-H-M5C
	2/2-way valve, normally closed	547349	CPVSC1-M4H-D-H-M5C
	Solenoid valve with QS-3 push-in connectors		
\Box	5/2-way valve, single solenoid	547357	CPVSC1-M4H-M-H-Q3
	5/2-way valve, double solenoid	547358	CPVSC1-M4H-J-H-Q3
	3/2-way valve, normally open	547356	CPVSC1-M4H-N-H-Q30
	3/2-way valve, normally closed	547355	CPVSC1-M4H-K-H-Q3C
	2/2-way valve, normally closed	547354	CPVSC1-M4H-D-H-Q3C
	Solenoid valve with QS-4 push-in connectors		
	5/2-way valve, single solenoid	547362	CPVSC1-M4H-M-H-Q4
	5/2-way valve, double solenoid	547363	CPVSC1-M4H-J-H-Q4
	3/2-way valve, normally open	547361	CPVSC1-M4H-N-H-Q40
	3/2-way valve, normally closed	547360	CPVSC1-M4H-K-H-Q4C
	2/2-way valve, normally closed	547359	CPVSC1-M4H-D-H-Q4C

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Accessories

Ordering data – Valves v	without pilot control					
					Part no.	Туре
	Valve with M5 connections					
• • • •	5/2-way valve, single solen			548901	CPVSC1-M-M5	
	5/2-way valve, double sole		548902	CPVSC1-J-M5		
	3/2-way valve, normally op		548900	CPVSC1-N-M50		
	3/2-way valve, normally clo		548899	CPVSC1-K-M5C		
	2/2-way valve, normally clo	sed	548898	CPVSC1-D-M5C		
	Valve with push-in connec	tors				
	5/2-way valve, single solen	oid	548906	CPVSC1-M-QX		
	5/2-way valve, double sole	noid	548907	CPVSC1-J-QX		
	3/2-way valve, normally op	en	548905	CPVSC1-N-QXO		
	3/2-way valve, normally clo	sed	548904	CPVSC1-K-QXC		
	2/2-way valve, normally clo	sed	548903	CPVSC1-D-QXC		
Ordering data – Accesso	pries				Part no.	Туре
Pilot control						Data sheets → Internet: mh
	3/2-way solenoid valve,	Plug connection at	5 V DC	-	197000	MHA1-M4H-3/2G-0.6-HC
	normally closed	rear	12 V DC	-	197001	MHA1-M5H-3/2G-0.6-HC
			24 V DC	With signal status indication	540443	MHA1-M1LH-3/2G-0.6-HC
Ý				-	197002	MHA1-M1H-3/2G-0.6-HC
Â	-	Plug connection on	5 V DC		197003	MHA1-M4H-3/2G-0.6-TC
The second secon		top	12 V DC		197004	MHA1-M5H-3/2G-0.6-TC
			24 V DC	With signal status indication	540444	MHA1-M1LH-3/2G-0.6-TC
A TR			21190	-	197005	MHA1-M1H-3/2G-0.6-TC
CD in the offerer		1				· ·
CP interface	Electrical interface			·	541975	CPVSC1-AE16-CPI
Individual electrical con	inection					
	Plug socket with cable, IP40			0.5 m	566654	NEBV-H1G2-KN-0.5-N-LE2
rs//	riug souvet with caple, ir 40			1 m	566655	NEBV-H1G2-KN-1-N-LE2
				2.5 m	566656	NEBV-H1G2-KN-2.5-N-LE2
				5 m	566657	NEBV-H1G2-KN-5-N-LE2
				5 11	500057	
Connecting cable to IP4	o for multi-pin plug connecti			25m	537543	KMDC 15D 12 2 5
	Sub-D, 15-pin, up to 12 valve positions for code MS			2.5 m	527543	KMP6-15P-12-2.5
	Material: PVC			5 m	527544	KMP6-15P-12-5
				10 m	527545	KMP6-15P-12-10
S II	Sub-D, 26-pin, up to 16 valve positions			2.5 m 5 m	527546	KMP6-26P-16-2.5
.*	for code MH Material: PVC				527547	KMP6-26P-16-5
				10 m	527548	KMP6-26P-16-10
Cover for manual overri						
	Non-detenting, with coded cover cap			Pack of 10	540897	VMPA-HBT-B
	Covered, manual override blocked			Pack of 10	540898	VMPA-HBV-B
	Detenting, manually operated without accessories			Pack of 10	8002234	VAMC-L1-CD
Inscription labels for va	lve identification					
	9x4.5 mm			Pack of 80	197259	MH-BZ-80x

Accessories

Ordering data – Accesso	ries			
			Part no.	Туре
nscription label holder				
<u>.</u> ନ	Pack of 1	For 2 valve positions	547395	CPVSC1-ST-2
		For 3 valve positions	547396	CPVSC1-ST-3
		For 4 valve positions	527631	CPVSC1-ST-4
		For 5 valve positions	547397	CPVSC1-ST-5
		For 6 valve positions	547398	CPVSC1-ST-6
		For 7 valve positions	547399	CPVSC1-ST-7
		For 8 valve positions	527633	CPVSC1-ST-8
		For 9 valve positions	547400	CPVSC1-ST-9
		For 10 valve positions	547401	CPVSC1-ST-10
		For 11 valve positions	547402	CPVSC1-ST-11
		For 12 valve positions	527635	CPVSC1-ST-12
		For 13 valve positions	547403	CPVSC1-ST-13
		For 14 valve positions	547404	CPVSC1-ST-14
		For 15 valve positions	547405	CPVSC1-ST-15
		For 16 valve positions	527637	CPVSC1-ST-16
t			1	
ie rod				
2	Pack of 1	For 2 valve positions	547416	CPVSC1-ZA-2
		For 3 valve positions	547417	CPVSC1-ZA-3
		For 4 valve positions	532807	CPVSC1-ZA-4
~		For 5 valve positions	547418	CPVSC1-ZA-5
		For 6 valve positions	547419	CPVSC1-ZA-6
		For 7 valve positions	547420	CPVSC1-ZA-7
		For 8 valve positions	532808	CPVSC1-ZA-8
		For 9 valve positions	547421	CPVSC1-ZA-9
		For 10 valve positions	547422	CPVSC1-ZA-10
		For 11 valve positions	547423	CPVSC1-ZA-11
		For 12 valve positions	532809	CPVSC1-ZA-12
		For 13 valve positions	547424	CPVSC1-ZA-13
		For 14 valve positions	547425	CPVSC1-ZA-14
		For 15 valve positions	547426	CPVSC1-ZA-15
		For 16 valve positions	532810	CPVSC1-ZA-16
Nounting				
	Screw for additional terminal mounting	527643	M3x45	
	Mounting	527639	CPVSC-HS35	
ser documentation	User documentation – Pneumatics, valve terminal CPV-SC	Gorman	E2003E	P.BE-CPVSC-DE
	oser uocumentation – Pheumatics, valve terminal CPV-SC	German	530925	
		English	530926	P.BE-CPVSC-EN
		French	530927	P.BE-CPVSC-FR
		Spanish	530928	P.BE-CPVSC-ES
		Italian	530929	P.BE-CPVSC-IT