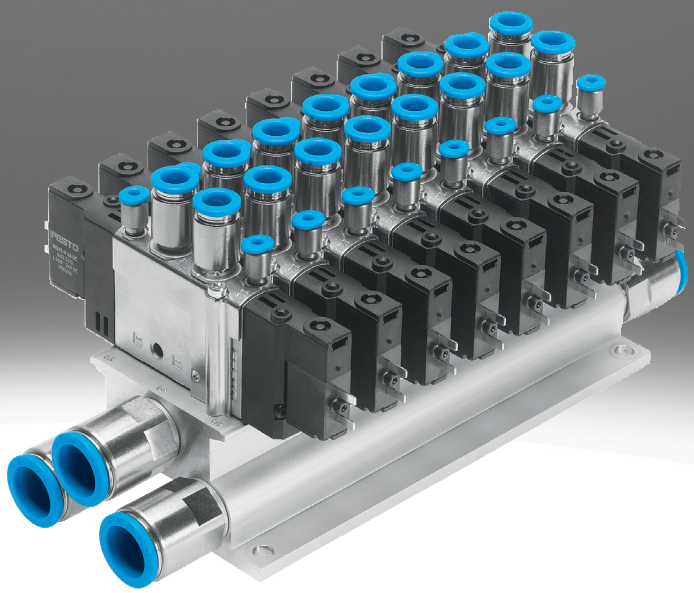
Solenoid valve CPE

FESTO



Characteristics

At a glance

Parameter:

- Width 10, 14, 18 and 24 mm
- Flow rate 180 ... 3200 l/min
- Note: The 5/3-way solenoid valve remains in the previous switching position if both solenoid coils are energised simultaneously. If neither solenoid coil is energised, the spring force moves the valve to its mid-position.

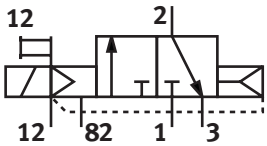
Benefits:

- Performance-optimised sizes: the solenoid valves CPE, Compact Performance, are characterised by minimum overall width and low energy consumption at very high flow rates.
- Valve mounting directly on site: on the cylinder; on moving system parts; flexible installation thanks to individual mounting
- Short tubing with minimal air volume: short switching times; very short reaction times
- Optimisation of systems: shorter machine cycles; increased quantities; reduced power consumption
- Convenient manual override
- CPE10, CPE14 and CPE18: easy assembly of manifold blocks using fixed-grid manifolds made of sturdy aluminium with 2 to 10 valve positions or using modular manifold blocks made of sturdy polymer.
- A current reduction is integrated into the connecting cables NEBV for sizes CPE10 and CPE14. This means that all CPE valves have a duty cycle of 100%.

Valve function

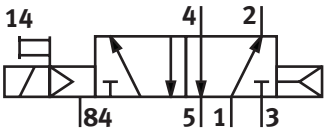
Note: The 5/3-way solenoid valve remains in the previous switching position if both solenoid coils are energised simultaneously. If neither solenoid coil is energised, the spring force moves the valve to its mid-position.

[3GL] 3/2-way valve, normally closed

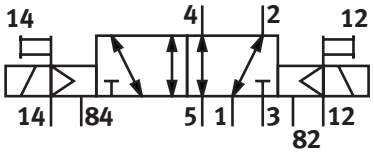


Normally closed

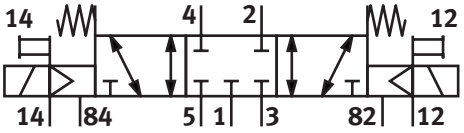
[5L] 5/2-way valve, monostable



[5J] 5/2-way valve, bistable



[5/3G] 5/3-way valve, mid-position closed



Normally closed

Type code

001	Series	
CPE	Solenoid valve, Compact Performance	

002	Width	
10	10 mm	
14	14 mm	
18	18 mm	
24	24 mm	

003	Nominal operating voltage	
	None	
M1	24 V DC	
M2	110 V AC	
M3	230 V AC	

004	Electrical connection	
BH	Plug pattern ZC	
CH	Plug M8x1	
H	Plug pattern ZC	
P1	For pilot valves with CNOMO interface size 15 mm to ISO 15218	

005	Valve function	
5L	5/2-way valve, monostable	
5J	5/2-way valve, bistable	
3GL	3/2-way valve, normally closed	
3OL	3/2-way valve, normally open	
5/3G	5/3-way valve, mid-position closed	
5/3E	5/3-way valve, mid-position exhausted	
5/3B	5/3-way valve, mid-position pressurised	

006	Pilot air	
	Internal	
S	External	

007	Pneumatic connection	
M5	M5	
M7	M7	
1/8	G1/8	
1/4	G1/4	
3/8	G3/8	
QS-4	Push-in connector 4 mm	
QS-6	Push-in connector 6 mm	
QS-8	Push-in connector 8 mm	
QS-10	Push-in connector 10 mm	
QS-12	Push-in connector 12 mm	

008	Generation	
	None	
B	Series B	

Datasheet

CPE10, General technical data							
Valve function	3/2-way, single solenoid, closed	3/2-way, single solenoid, open	5/2-way, double solenoid	5/2-way, single solenoid	5/3-way, pressurised	5/3 exhausted	5/3-way, closed
Type of reset	Pneumatic spring		–	Pneumatic spring	Mechanical spring		
Design	Piston gate valve						
Sealing principle	Soft						
lap	Overlap						
Type of actuation	Electrical						
Type of piloting	Piloted						
Pilot air supply	External	External, Internal					
Flow direction	Non-reversible		Non-reversible, Reversible				
Exhaust-air function	–		Can be throttled				
Manual override	Detenting via accessory, Non-detenting						
Type of mounting	With through-hole						
Mounting position	Any						
Pneumatic connection, port 1	M5, M7, QS-4, QS-6						
Pneumatic connection, port 2	M5, M7, QS-4, QS-6						
Pneumatic connection, port 3	M7						
Pneumatic connection, port 4	–		M5, M7, QS-4, QS-6				
Pneumatic connection, port 5	–		M7				
Pilot air port 12	M3						
Pilot air port 14	–		M3				
Nominal size	4 mm						
Standard nominal flow rate (standardised to DIN 1343)	190 ... 400 l/min		180 ... 350 l/min		180 ... 300 l/min	180 ... 250 l/min	180 ... 350 l/min
Switching time on	14 ms		–	16 ms			
Switching time off	14 ms		–	20 ms			
Switching time reversal	–		8 ms	–			
Duty cycle	100%, 100% in conjunction with holding current reduction						
Construction width	10 mm						
Corrosion resistance class CRC [1]	2 - Moderate corrosion stress						

1) More information www.festo.com/x/topic/kbk

CPE10, Operating and environmental conditions							
Valve function	3/2-way, single solenoid, closed	3/2-way, single solenoid, open	5/2-way, double solenoid	5/2-way, single solenoid	5/3-way, pressurised	5/3 exhausted	5/3-way, closed
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]						
Pilot 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)						
Operating pressure	-0.09 ... 1 MPa						
Operating pressure	-0.9 ... 10 bar						
Pilot pressure	0.25 ... 0.8 MPa			0.3 ... 0.8 MPa			
Pilot pressure	2.5 ... 8 bar			3 ... 8 bar			
Ambient temperature	-5 ... 50°C						
Media temperature	-5 ... 50°C						
Approval	c UL us - Recognised (Oil)						
Certificate issuing authority	UL MH19482						

CPE10, Electrical data							
Valve function	3/2-way, single solenoid, closed	3/2-way, single solenoid, open	5/2-way, double solenoid	5/2-way, single solenoid	5/3-way, pressurised	5/3 exhausted	5/3-way, closed
Degree of protection	IP65, IP67, With plug socket, To IEC 60529						

CPE10, materials	
Material housing	Die-cast aluminium
Material seals	NBR
Note on materials	RoHS compliant

Datasheet

CPE14, General technical data							
Valve function	3/2-way, single solenoid, closed	3/2-way, single solenoid, open	5/2-way, double solenoid	5/2-way, single solenoid	5/3-way, pressurised	5/3 exhausted	5/3-way, closed
Type of reset	Pneumatic spring		–	Pneumatic spring	Mechanical spring		
Design	Piston gate valve						
Sealing principle	Soft						
lap	Overlap						
Type of actuation	Electrical						
Type of piloting	Piloted						
Pilot air supply	External, Internal						
Flow direction	Non-reversible		Non-reversible, Reversible				
Exhaust-air function	–		Can be throttled				
Manual override	Detenting via accessory, Non-detenting						
Type of mounting	With through-hole						
Mounting position	Any						
Pneumatic connection, port 1	G1/8, QS-6, QS-8						
Pneumatic connection, port 2	G1/8, QS-6, QS-8						
Pneumatic connection, port 3	G1/8						
Pneumatic connection, port 4	–		G1/8, QS-6, QS-8				
Pneumatic connection, port 5	–		G1/8				
Pilot air port 12	M3						
Pilot air port 14	–		M3				
Nominal size	6 mm						
Standard nominal flow rate (standardised to DIN 1343)	510 ... 900 l/min		400 ... 800 l/min		370 ... 750 l/min	370 ... 700 l/min	410 ... 750 l/min
Switching time on	16 ms		–	24 ms	20 ms		
Switching time off	27 ms		–	32 ms	42 ms		
Duty cycle	100%, 100% in conjunction with holding current reduction						
Construction width	14 mm						
Corrosion resistance class CRC [1]	2 - Moderate corrosion stress						

1) More information www.festo.com/x/topic/kbk

CPE14, Operating and environmental conditions							
Valve function	3/2-way, single solenoid, closed	3/2-way, single solenoid, open	5/2-way, double solenoid	5/2-way, single solenoid	5/3-way, pressurised	5/3 exhausted	5/3-way, closed
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]						
Pilot 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)						
Operating pressure	-0.09 ... 1 MPa						
Operating pressure	-0.9 ... 10 bar						
Pilot pressure	0.25 ... 0.8 MPa		0.2 ... 0.8 MPa	0.3 ... 0.8 MPa			
Pilot pressure	2.5 ... 8 bar		2 ... 8 bar	3 ... 8 bar			
Ambient temperature	-5 ... 50°C						
Media temperature	-5 ... 50°C						
Approval	c UL us - Recognised (Oil)						
Certificate issuing authority	UL MH19482						

CPE14, Electrical data							
Valve function	3/2-way, single solenoid, closed	3/2-way, single solenoid, open	5/2-way, double solenoid	5/2-way, single solenoid	5/3-way, pressurised	5/3 exhausted	5/3-way, closed
Degree of protection	IP65, IP67, With plug socket, To IEC 60529						

CPE14, materials	
Material housing	Die-cast aluminium, Reinforced PA
Material seals	NBR
Note on materials	RoHS compliant

Datasheet

CPE18, General technical data							
Valve function	3/2-way, single solenoid, closed	3/2-way, single solenoid, open	5/2-way, double solenoid	5/2-way, single solenoid	5/3-way, pressurised	5/3 exhausted	5/3-way, closed
Type of reset	Pneumatic spring		–	Pneumatic spring	Mechanical spring		
Design	Piston gate valve						
Sealing principle	Soft						
lap	Overlap						
Type of actuation	Electrical						
Type of piloting	Piloted						
Pilot air supply	External, Internal						
Flow direction	Non-reversible		Non-reversible, Reversible				
Exhaust-air function	–		Can be throttled				
Manual override	Detenting via accessory, Non-detenting						
Type of mounting	With through-hole						
Mounting position	Any						
Pneumatic connection, port 1	G1/4, QS-8, QS-10						
Pneumatic connection, port 2	G1/4, QS-8, QS-10						
Pneumatic connection, port 3	G1/4						
Pneumatic connection, port 4	–		G1/4, QS-8, QS-10				
Pneumatic connection, port 5	–		G1/4				
Pilot air port 12	M5						
Standard nominal flow rate (standardised to DIN 1343)	850 ... 1,300	850 ... 1,700	850 ... 1,500		780 ... 1,300	780 ... 1,200	850 ... 1,450
Pilot air port 14	–		M5				
Nominal size	8 mm						
Switching time on [1]	28 ms		–	26 ms	20 ms		
Switching time off [2]	18 ms		–	20 ms	38 ms		
Switching time reversal [3]	–		13 ms	–			
Duty cycle	100%						
Construction width	18 mm						
Corrosion resistance class CRC [4]	2 - Moderate corrosion stress						
CE mark (see declaration of conformity) [5]	To EU Low Voltage Directive						
UKCA marking (see declaration of conformity)[6]	To UK regulations for electrical equipment						

1) Switching time basic valve
2) Switching time basic valve
3) Switching time basic valve
4) More information www.festo.com/x/topic/kbk
5) Only valid for CPE18-M2H-... and CPE18-M3H-...
More information www.festo.com/catalogue/... d Support/Downloads.
6) Only valid for CPE18-M2H-... and CPE18-M3H-...
More information www.festo.com/catalogue/... d Support/Downloads.

CPE18, Operating and environmental conditions							
Valve function	3/2-way, single solenoid, closed	3/2-way, single solenoid, open	5/2-way, double solenoid	5/2-way, single solenoid	5/3-way, pressurised	5/3 exhausted	5/3-way, closed
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]						
Pilot 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)						
Operating pressure	-0.09 ... 1 MPa						
Operating pressure	-0.9 ... 10 bar						
Pilot pressure	0.25 ... 1 MPa		0.2 ... 1 MPa	0.25 ... 1 MPa			
Pilot pressure	2.5 ... 10 bar		2 ... 10 bar	2.5 ... 10 bar			
Ambient temperature	-5 ... 50°C						
Media temperature	-5 ... 50°C						
Approval	c UL us - Recognised (Oil)						
Certificate issuing authority	UL MH19482						

Datasheet

CPE18, Electrical data							
Valve function	3/2-way, single solenoid, closed	3/2-way, single solenoid, open	5/2-way, double solenoid	5/2-way, single solenoid	5/3-way, pressurised	5/3 exhausted	5/3-way, closed
Degree of protection	IP65, With plug socket, To IEC 60529						

CPE18, materials	
Material housing	Die-cast aluminium, Reinforced PA
Material seals	NBR
Note on materials	RoHS compliant

CPE18, directional control valves without pilot valve, materials	
Material housing	Die-cast aluminium
Material seals	NBR
Note on materials	RoHS compliant

CPE24, General technical data							
Valve function	3/2-way, single solenoid, closed	3/2-way, single solenoid, open	5/2-way, double solenoid	5/2-way, single solenoid	5/3-way, pressurised	5/3 exhausted	5/3-way, closed
Type of reset	Pneumatic spring		–	Pneumatic spring	Mechanical spring		
Design	Piston gate valve						
Sealing principle	Soft						
lap	Overlap						
Type of actuation	Electrical						
Type of piloting	Piloted						
Pilot air supply	External, Internal						
Flow direction	Non-reversible		Non-reversible, Reversible				
Exhaust-air function	–		Can be throttled				
Manual override	Detenting via accessory, Non-detenting						
Type of mounting	With through-hole						
Mounting position	Any						
Pneumatic connection, port 1	G3/8, QS-10, QS-12						
Pneumatic connection, port 2	G3/8, QS-10, QS-12						
Pneumatic connection, port 3	G3/8						
Pneumatic connection, port 4	–		G3/8, QS-10, QS-12				
Pneumatic connection, port 5	–		G3/8				
Pilot air port 12	M5						
Pilot air port 14	–		M5				
Nominal size	11 mm						
Standard nominal flow rate (standardised to DIN 1343)	1,250 ... 2,500 l/min	1,250 ... 3,000 l/min	1,250 ... 3,200 l/min	1,250 ... 2,900 l/min	1,250 ... 2,600 l/min	1,250 ... 2,650 l/min	1,250 ... 3,000 l/min
Switching time on	50 ms		–	40 ms	25 ms		
Switching time off	33 ms		–	50 ms	55 ms		
Switching time reversal	–		25 ms	–			
Duty cycle	100%						
Construction width	24 mm						
Corrosion resistance class CRC [1]	2 - Moderate corrosion stress						
CE mark (see declaration of conformity) [2]	To EU Low Voltage Directive						
UKCA marking (see declaration of conformity)[3]	To UK regulations for electrical equipment						

1) More information www.festo.com/x/topic/kbk

2) Only valid for CPE24-M2H-... and CPE24-M3H-...
More information www.festo.com/catalogue/... d Support/Downloads.

3) Only valid for CPE24-M2H-... and CPE24-M3H-...
More information www.festo.com/catalogue/... d Support/Downloads.

Datasheet

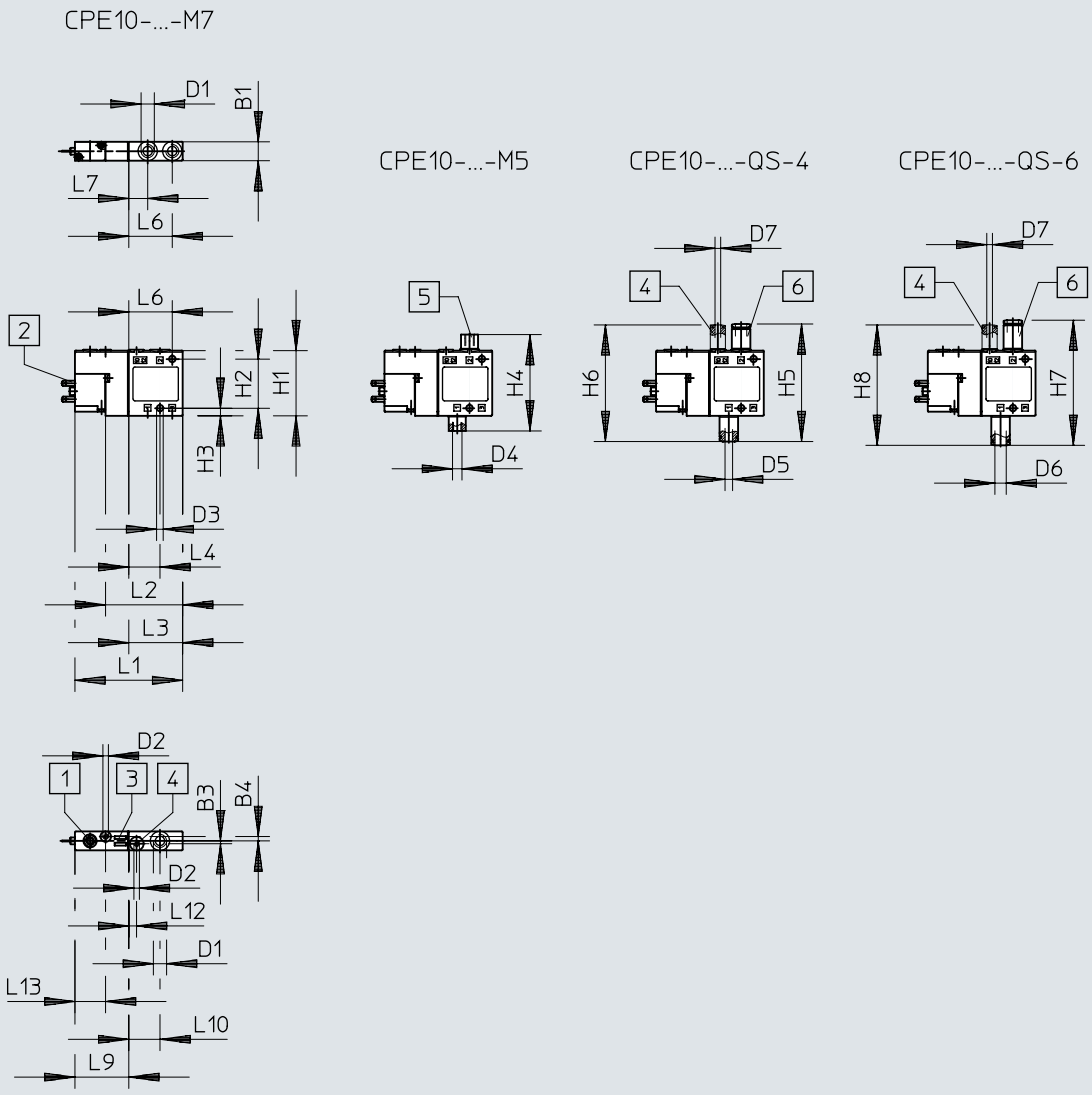
CPE24, Electrical data							
Valve function	3/2-way, single solenoid, closed	3/2-way, single solenoid, open	5/2-way, double solenoid	5/2-way, single solenoid	5/3-way, pressurised	5/3 exhausted	5/3-way, closed
Degree of protection	IP65, With plug socket, To IEC 60529						

CPE24, Operating and environmental conditions							
Valve function	3/2-way, single solenoid, closed	3/2-way, single solenoid, open	5/2-way, double solenoid	5/2-way, single solenoid	5/3-way, pressurised	5/3 exhausted	5/3-way, closed
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]						
Pilot 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)						
Operating pressure	-0.09 ... 1 MPa						
Operating pressure	-0.9 ... 10 bar						
Pilot pressure	0.25 ... 1 MPa		0.2 ... 1 MPa	0.25 ... 1 MPa			
Pilot pressure	2.5 ... 10 bar		2 ... 10 bar	2.5 ... 10 bar			
Ambient temperature	-5 ... 50°C						
Media temperature	-5 ... 50°C						
Approval	c UL us - Recognised (Oil)						
Certificate issuing authority	UL MH19482						

CPE24, materials	
Material housing	Die-cast aluminium
Material seals	NBR
Note on materials	RoHS compliant

Dimensions

Dimensions – CPE10, 3/2-way valve Download CAD data www.festo.com



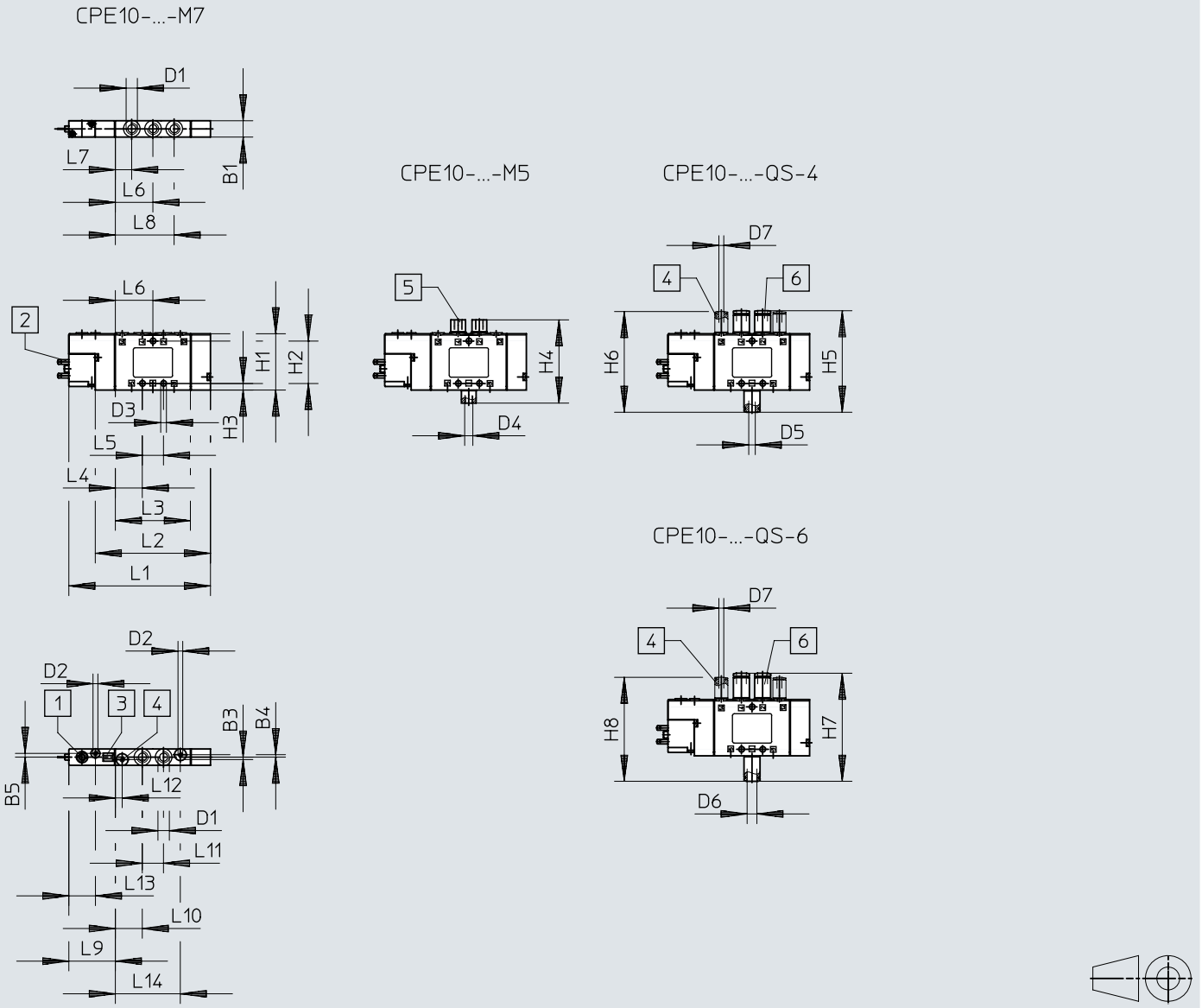
[1] Manual override, non-detenting, resetting
[2] Plug pins, connection pattern ZC
[3] Space for inscription label
[4] Port 10/12 for external pilot air
[5] Reducer M7 on M5
[6] QA push-in fitting

	B1	B3	B4	D1	D2	D3 ø	D4	D5 ø	D6 ø	D7 ø	H1	H2	H3	H4	H5	H6	H7	H8
CPE10-M1BH-3...	10	1,5	2,3	M7	M3	3,5	M5	4	6	3	35	26	4	51	62,2	61,7	66,2	63,7

	L1	L2	L3	L4	L6	L7	L9	L10	L12	L13
CPE10-M1BH-3...	57	40,8	28,5	16,5	23	10	28,5	16,5	4,2	16,3

Dimensions

Dimensions – CPE10, 5/2-way valve, single solenoid Download CAD data www.festo.com



[1] Manual override, non-detenting, resetting
[2] Plug pins, connection pattern ZC
[3] Space for inscription label
[4] Port 10/12 for external pilot air
[5] Reducer M7 on M5
[6] QA push-in fitting

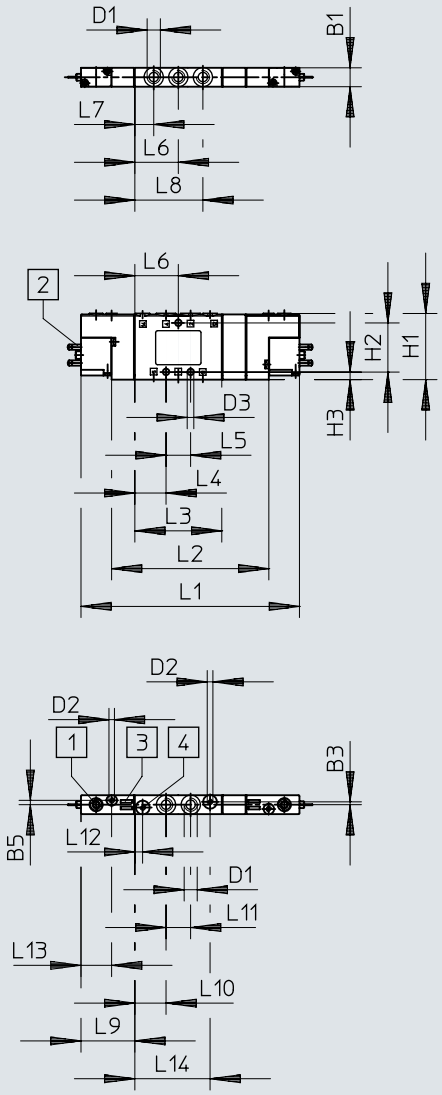
	B1	B3	B4	B5	D1	D2	D3 ø	D4	D5 ø	D6 ø	D7 ø	H1	H2	H3	H4	H5	H6	H7	H8
CPE10-M1BH-5L...	10	1,5	1,5	2,3	M7	M3	3,5	M5	4	6	3	35	26	4	51	62,2	61,7	66,2	63,7

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14
CPE10-M1BH-5L...	86,8	70,6	46	16,5	13	23	10	36	28,5	16,5	13	4,2	16,3	39,8

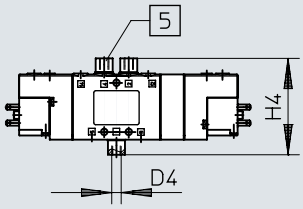
Dimensions

Dimensions – CPE10, 5/2 double pilot valve and 5/3-way valve Download CAD data www.festo.com

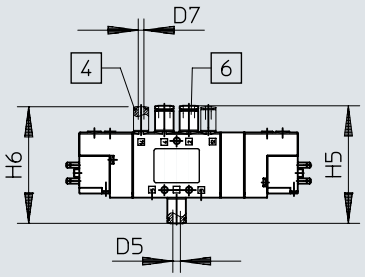
CPE10-...-M7



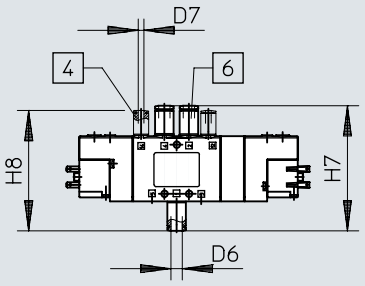
CPE10-...-M5

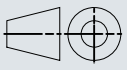


CPE10-...-QS-4



CPE10-...-QS-6





[1] Manual override, non-detenting, resetting
[2] Plug pins, connection pattern ZC
[3] Space for inscription label
[4] Port 10/12 for external pilot air
[5] Reducer M7 on M5
[6] QA push-in fitting

	B1	B3	B5	D1	D2	D3 ø	D4	D5 ø	D6 ø	D7 ø	H1	H2	H3	H4	H5	H6	H7	H8
CPE-10-...-5J	10	1,5	2,3	M7	M3	3,5	M5	4	6	3	35	26	4	51	62,2	61,7	66,2	63,7
CPE-10-...-5/3																		

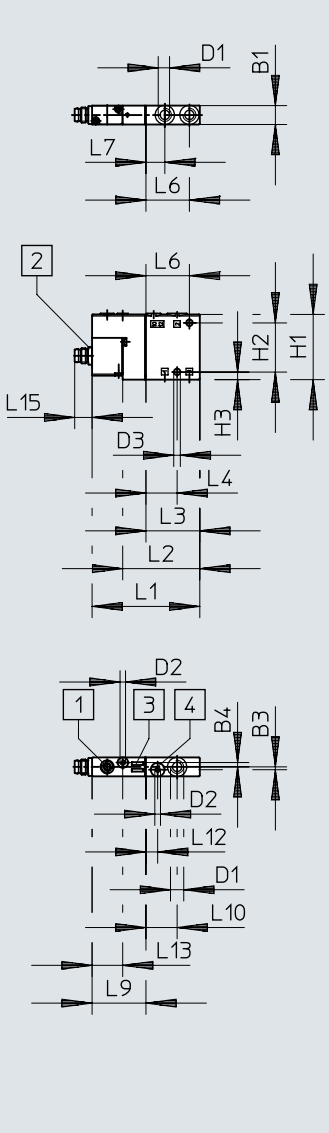
	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14
CPE-10-...-5J	103	70,6	46	16,5	13	23	10	36	28,5	16,5	13	4,2	16,3	39,8
CPE-10-...-5/3	115,6	83,2												

Dimensions

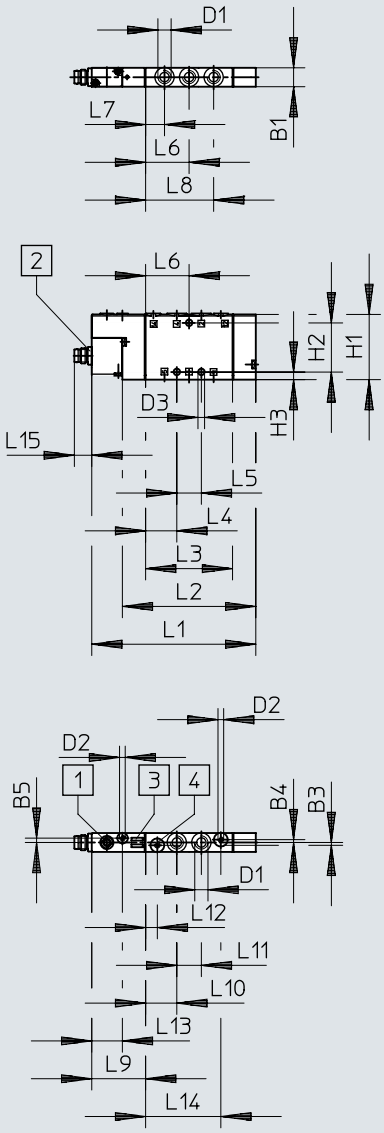
Dimensions – CPE10, solenoid valves with round plug M8x1

Download CAD data www.festo.com

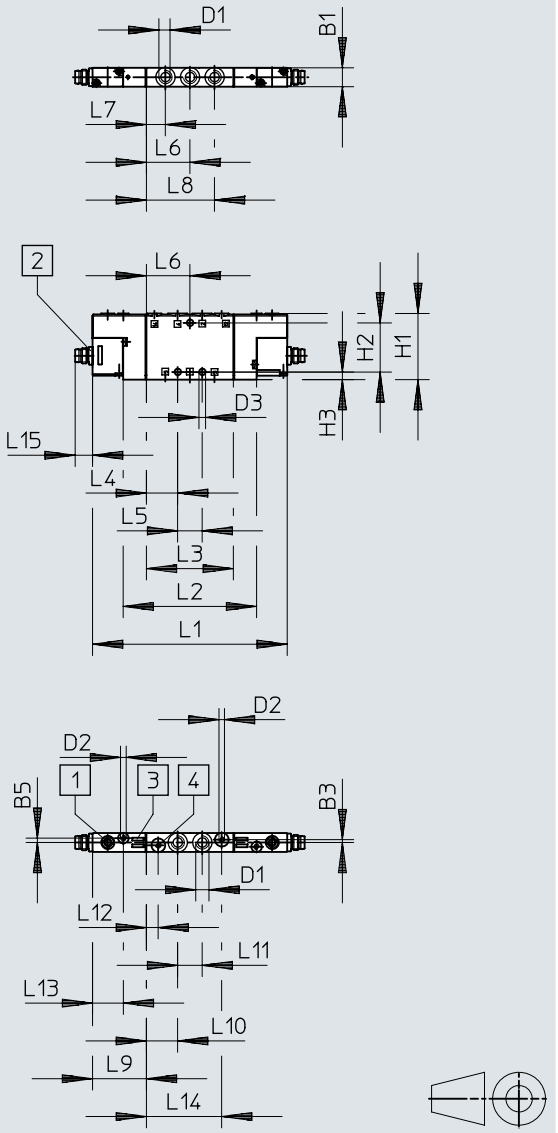
CPE10-M1CH-3...



CPE10-M1CH-5L...



CPE10-M1CH-5J...



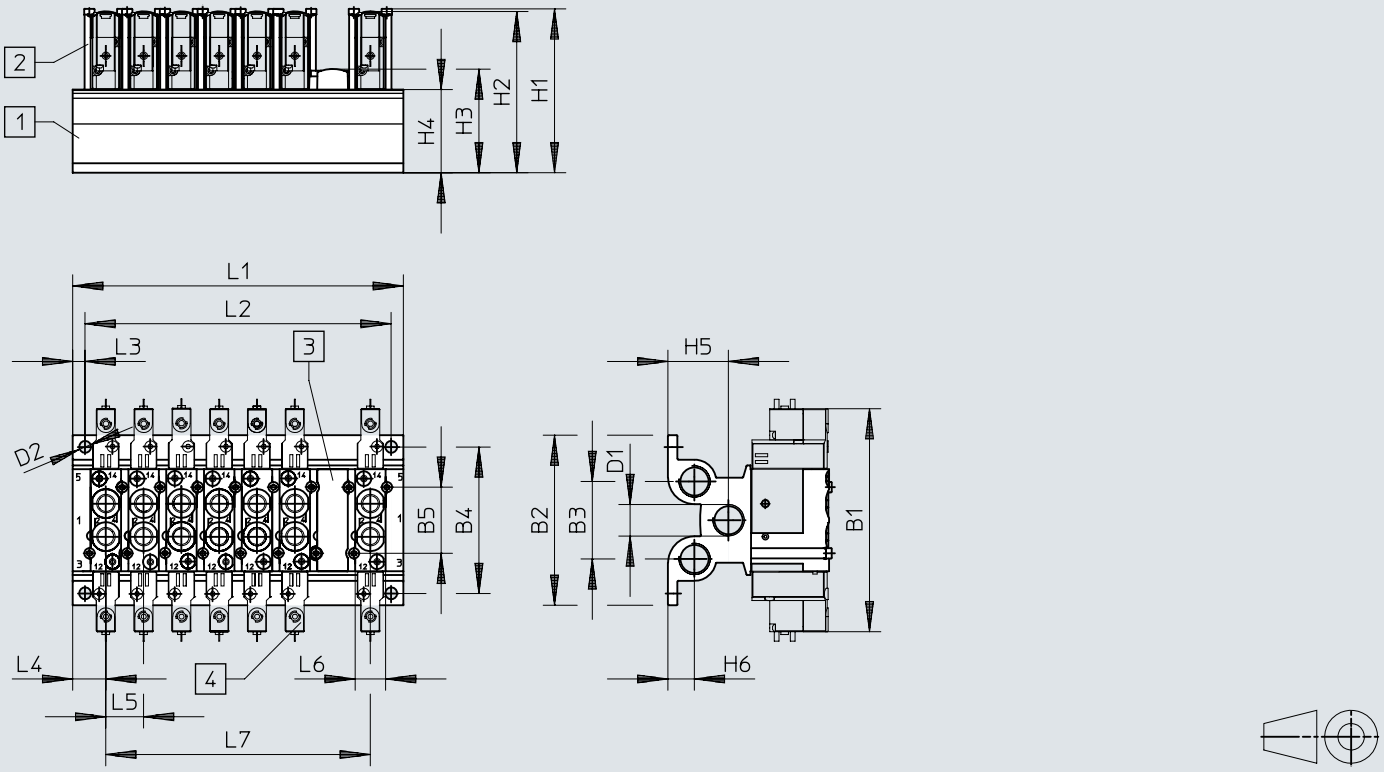
[1] Manual override, non-detenting, resetting
[2] 1x M8 plug
[3] Space for inscription label
[4] Port 10/12 for external pilot air

	B1	B3	B4	B5	D1	D2	D3 ø	H1	H2	H3
CPE-10-M1CH-3...	10	1,5	2,3	–	M7	M3	3,5	35	26	4
CPE-10-M1CH-5L...			1,5	2,3						
CPE-10-M1CH-5J...			–							

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15
CPE-10-M1CH-3...	57	40,8	28,5	16,5	–	23	10	–	28,5	16,5	–	6,2	16,3	9,2	–
CPE-10-M1CH-5L...	86,8	70,6	46		13			36			13			39,82	9,2
CPE-10-M1CH-5J...	103														

Dimensions

Dimensions – CPE10, connection block, fixed grid manifold 5/2 and 5/3 Download CAD data www.festo.com



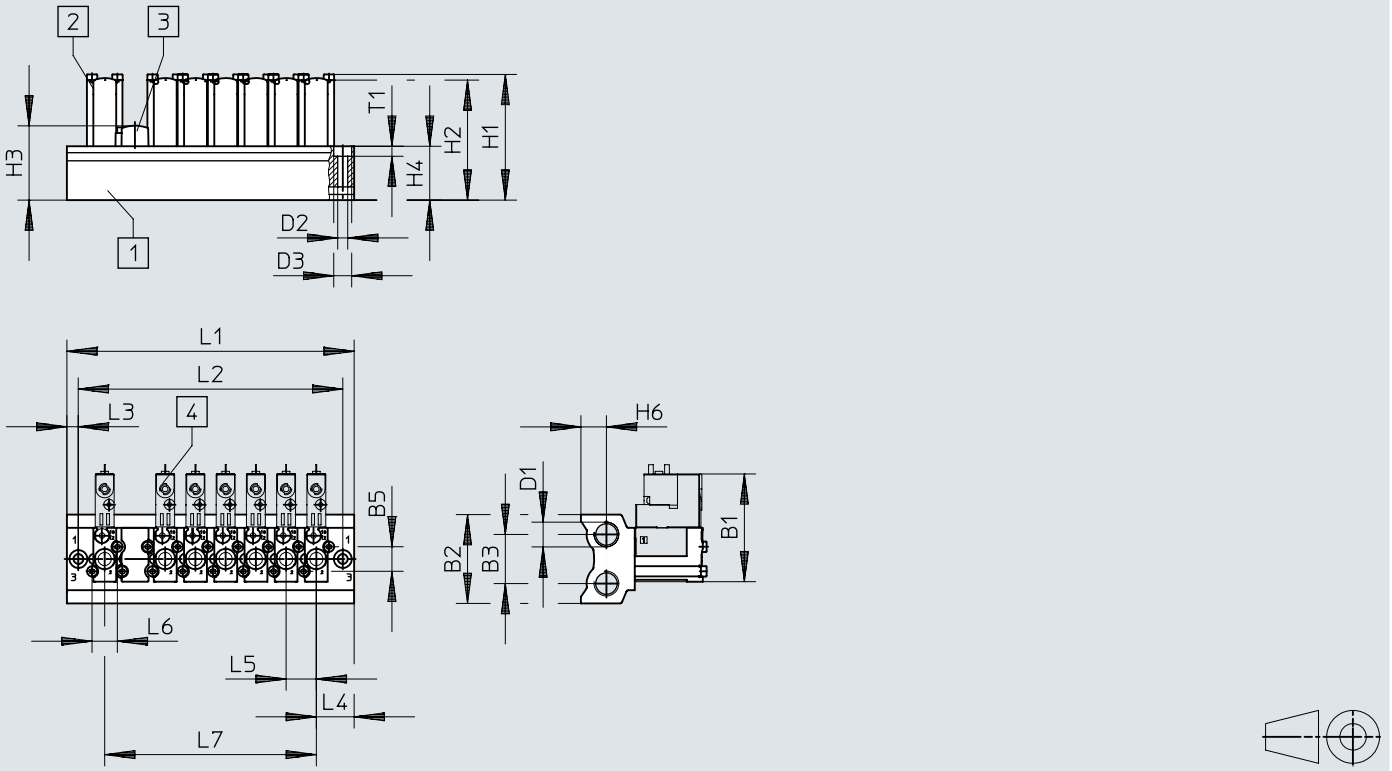
[1] Manifold block
[2] Retainer
[3] Cover plate
[4] Valves

	B1	B2	B3	B4	B5	D1	D2 ⌀	H1	H2	H3	H4	H5	H6
CPE10-PRS...	103	79	35	67,5	26	G1/4	5,3	72	69,5	44,8	34	23,5	11

	L1	L2	L3	L4	L5	L6	L7
CPE10-PRS...	28 + (n–1) x 16	L1 – 11 ± 0,1	5,5	14	16	13,4	(n–1) x 16

Dimensions

Dimensions – CPE10, connection block, fixed grid manifold 3/2 Download CAD data www.festo.com



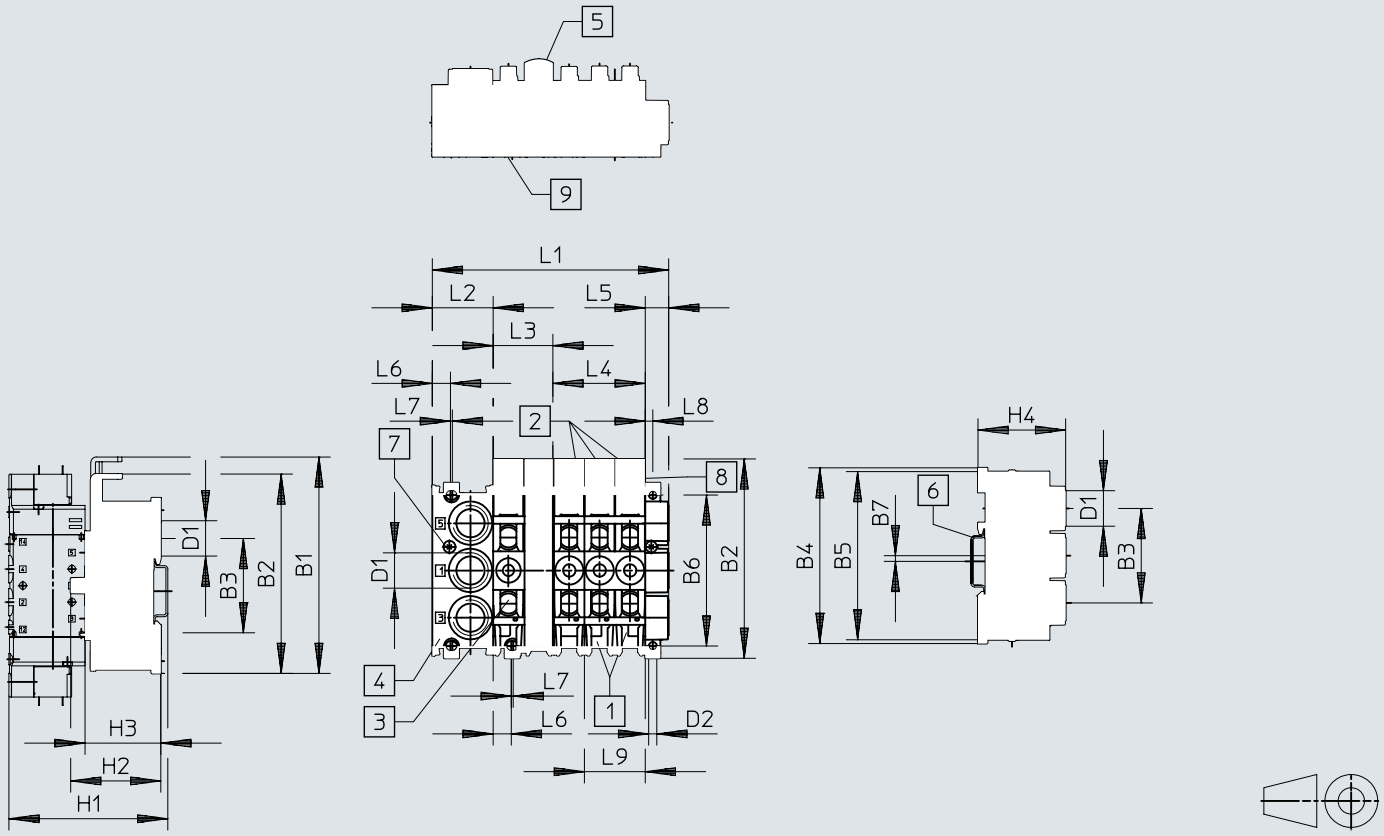
[1] Manifold block
[2] Retainer
[3] Cover plate
[4] Valves

	B1	B2	B3	B5	D1	D2 ø	D3 ø	H1	H2	H3	H4	H6
CPE10-3/2-PRS...	57	47	26	13	G1/4	5,3	9,5	66,5	63,5	39,3	28,5	13,5

	L1	L2	L3	L4	L5	L6	L7	T1
CPE10-3/2-PRS...	40 + (n–1) x 16	28 + (n–1) x 16	6	20	16	13,4	(n–1) x 16	5,3

Dimensions

Dimensions – CPE10, modular manifold Download CAD data www.festo.com



[1] Manifold block CPE...-PRSG...-2 for 2 valves
[2] Manifold block CPE...-PRSG...-3 for 3 valves
[3] Expansion block CPE...-PRSE...-2 for 2 valves
[4] End block CPE...-PRS-EP
[5] Cover plate CPE...-PRSB
[6] H-rail to EN 50002 for mounting
[7] Clamping screw for H-rail
[8] Location for inscription labels type IBS 6 x 10
[9] Connecting component

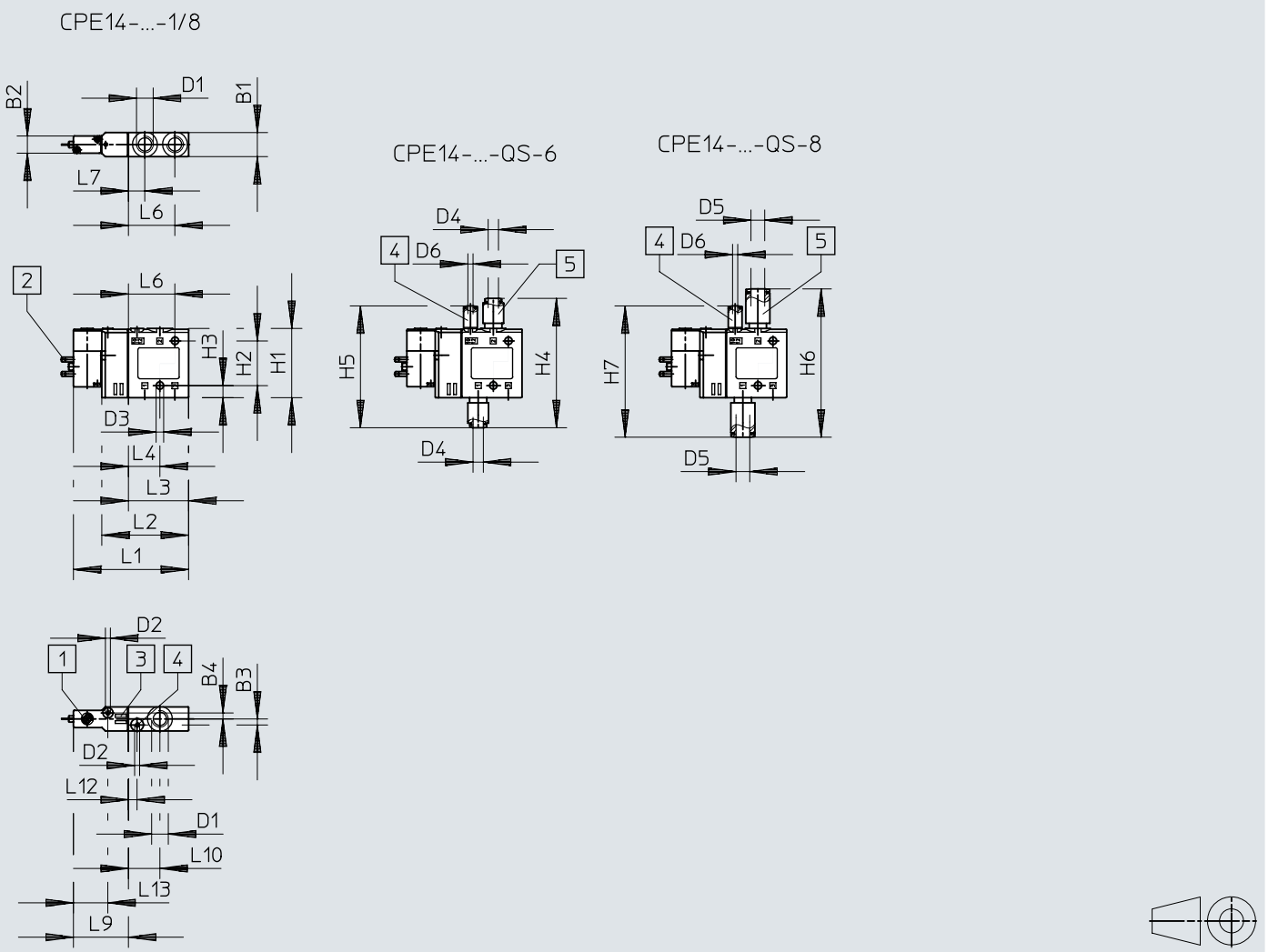
	B1	B2	B3	B4	B5	B6	B7	D1	D2 ø	H1	H2	H3	H4
CPE10	93,5	87	37	73	71	60	7	G1/4	3,3	~72	~40	~34	37

	L1[1)]	L2	L3	L4	L5	L6	L7	L8	L9
CPE10	24+(nx12)+11,4	24	24	36	11,4	9,6	–	3,2	24

1) n = number of valve positions

Dimensions

Dimensions – CPE14, 3/2-way valve Download CAD data www.festo.com



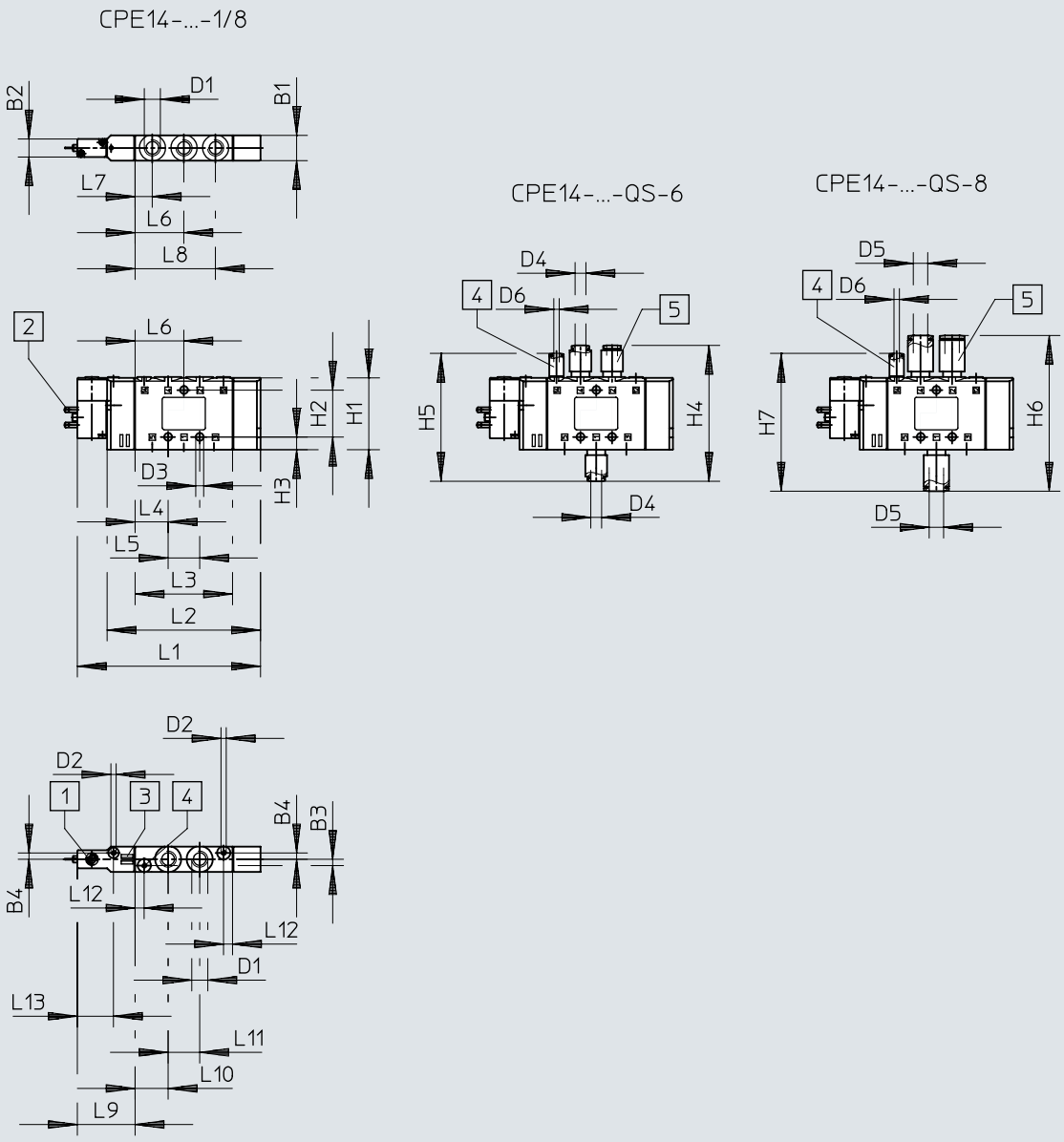
[1] Manual override
[2] Plug pins, connection pattern ZC
[3] Space for inscription label
[4] Port 10/12 for pilot air supply
[5] QA push-in fitting

	B1	B2	B3	B4	D1	D2	D3 ø	D4 ø	D5 ø	D6 ø	H1	H2	H3	H4	H5	H6	H7
CPE14-M1BH-3...	14	10	3,5	3,5	G1/8	M3	4,4	6	8	3	40,3	26	7	75,3	70,9	86,3	76,4

	L1	L2	L3	L4	L6	L7	L9	L10	L12	L13
CPE14-M1BH-3...	67	50,5	35	18,3	27	9,5	32	18	5	20

Dimensions

Dimensions – CPE14, 5/2-way valve, single solenoid Download CAD data www.festo.com



[1] Manual override
[2] Plug pins, connection pattern ZC
[3] Space for inscription label
[4] Port 12/14 for external pilot air supply
[5] QA push-in fitting

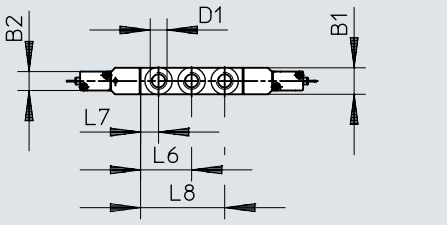
	B1	B2	B3	B4	D1	D2	D3 ø	D4 ø	D5 ø	D6 ø	H1	H2	H3	H4	H5	H6	H7
CPE14-M1BH-5L...	14	10	3,5	3,5	G1/8	M3	4,4	6	8	3	40,3	26	7	75,3	70,9	86,3	76,4

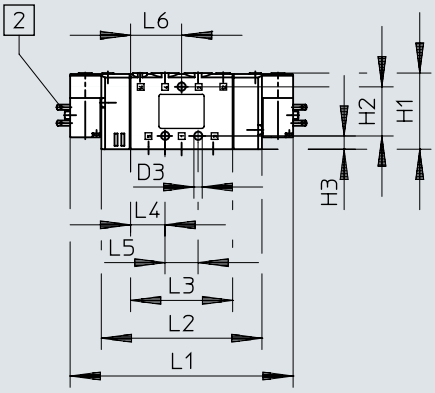
	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13
CPE14-M1BH-5L...	101,5	85	54	18,3	17,5	27	9,5	44,5	32	18,3	17,5	5	20

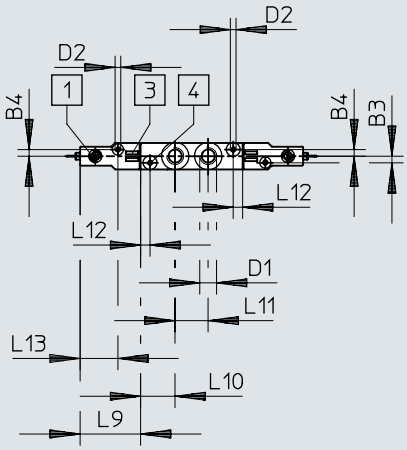
Dimensions

Dimensions – CPE14, 5/2-way valve double solenoid Download CAD data www.festo.com

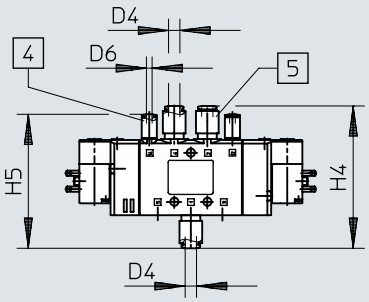
CPE14-...-5J-1/8



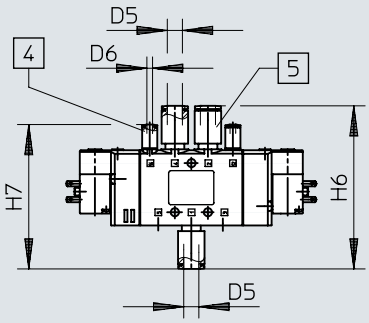


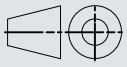


CPE14-...-QS-6



CPE14-...-QS-8





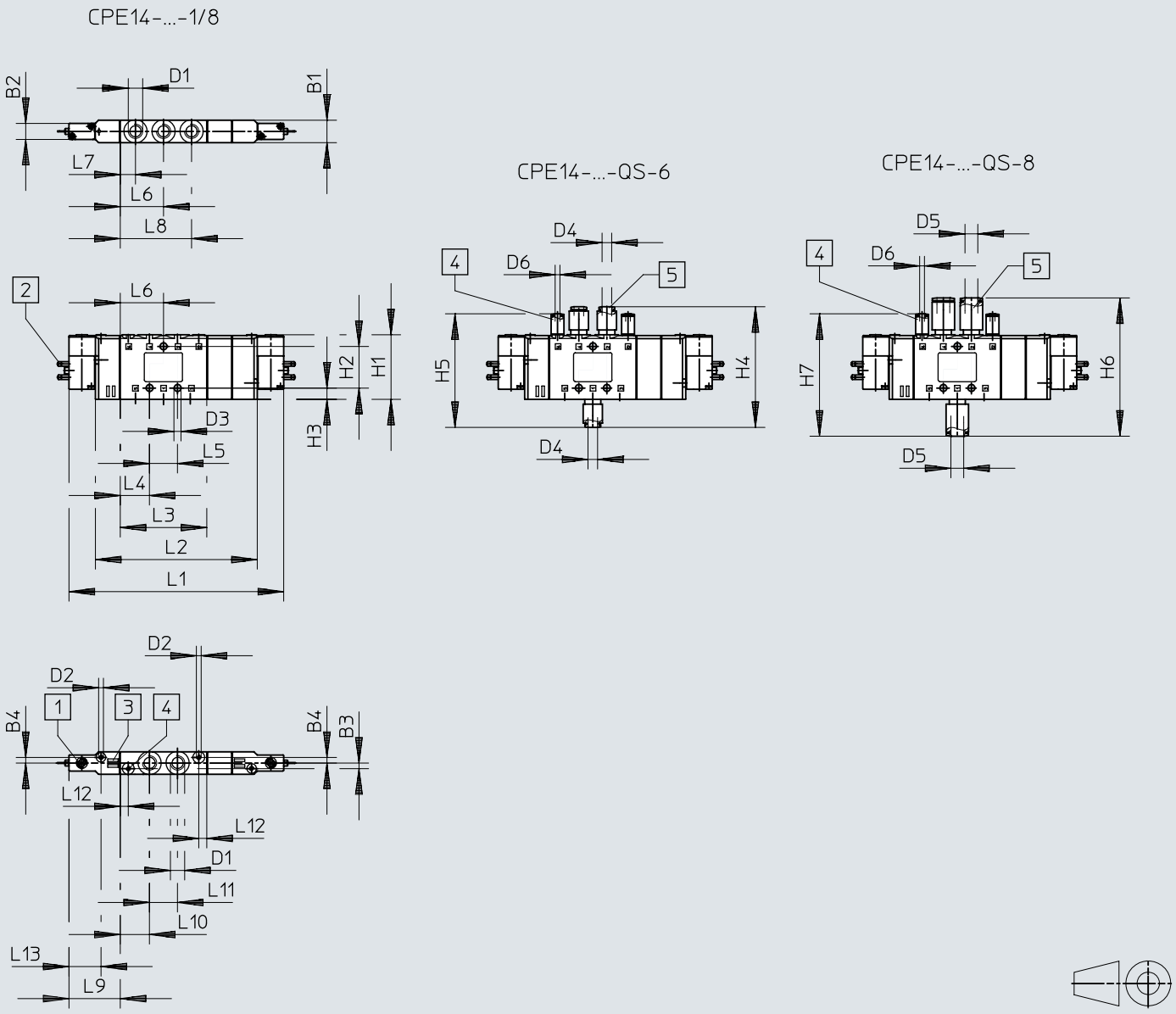
[1] Manual override
[2] Plug pins, connection pattern ZC
[3] Space for inscription label
[4] Port 12/14 for external pilot air supply
[5] QA push-in fitting

	B1	B2	B3	B4	D1	D2	D3 ø	D4 ø	D5 ø	D6 ø	H1	H2	H3	H4	H5	H6	H7
CPE14-...-5J-1/8	14	10	3,5	3,5	G1/8	M3	4,4	6	8	3	40,3	26	7	75,3	70,9	86,3	76,4

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13
CPE14-...-5J-1/8	118	85	54	18,3	17,5	27	9,5	44,5	32	18,3	17,5	5	20

Dimensions

Dimensions – CPE14, 5/3-way valve Download CAD data www.festo.com



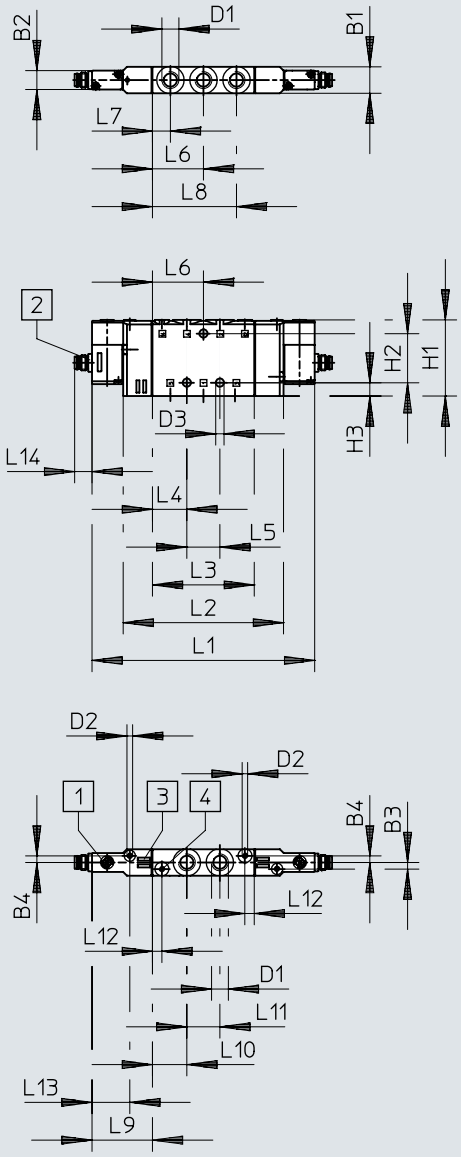
[1] Manual override
[2] Plug pins, connection pattern ZC
[3] Space for inscription label
[4] Port 12/14 for external pilot air supply
[5] QA push-in fitting

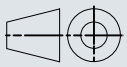
	B1	B2	B3	B4	D1	D2	D3 ø	D4 ø	D5 ø	D6 ø	H1	H2	H3	H4	H5	H6	H7
CPE14-M1BH...-5J CPE14-M1BH...-5/3	14	10	3,5	3,5	G1/8	M3	4,4	6	8	3	40,3	26	7	75,3	70,9	86,3	76,4

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13
CPE14-M1BH...-5J	118	85	46	18,3	17,5	27	9,5	44,5	32	18,3	17,5	5	20
CPE14-M1BH...-5/3	134	101											

Dimensions

Dimensions – CPE14, solenoid valves with round plug M8x1 Download CAD data www.festo.com





[1] Manual override
[2] 1x M8 plug
[3] Space for inscription label
[4] Port 12/14 for external pilot air supply

	B1	B2	B3	B4	D1	D2	D3 ø	H1	H2	H3
CPE14-M1CH-5J-...-1/8	14	10	3,5	3,5	G1/8	M3	4,4	40,4	26	7

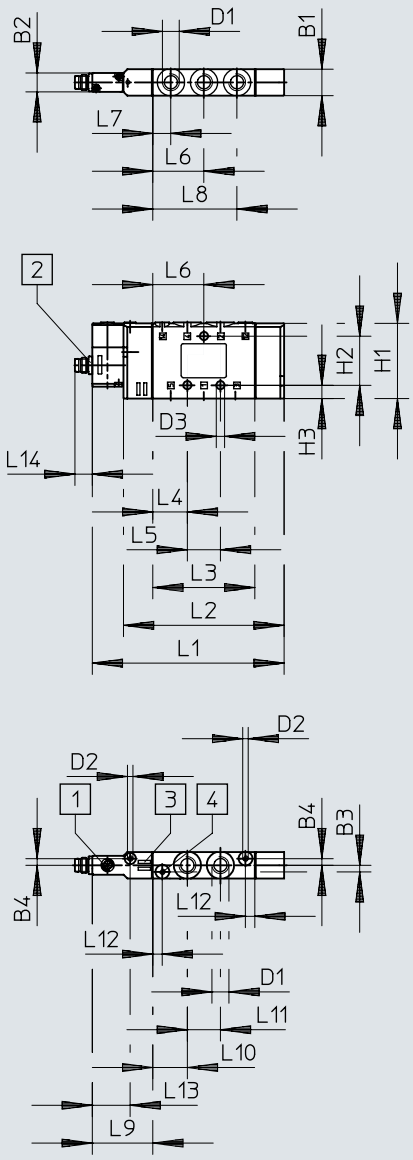
	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14
CPE14-M1CH-5J-...-1/8	118	85	54	18,3	17,5	27	9,5	44,5	32	18,3	17,5	5	20	9,2

Dimensions

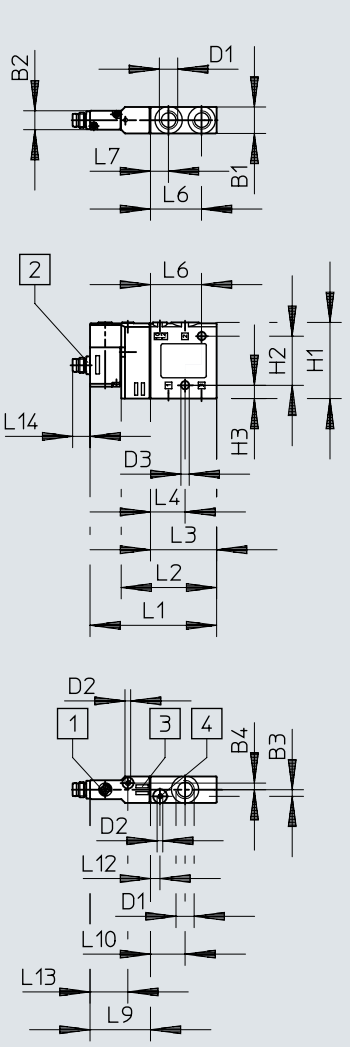
Dimensions – CPE14, solenoid valves with round plug M8x1

Download CAD data www.festo.com

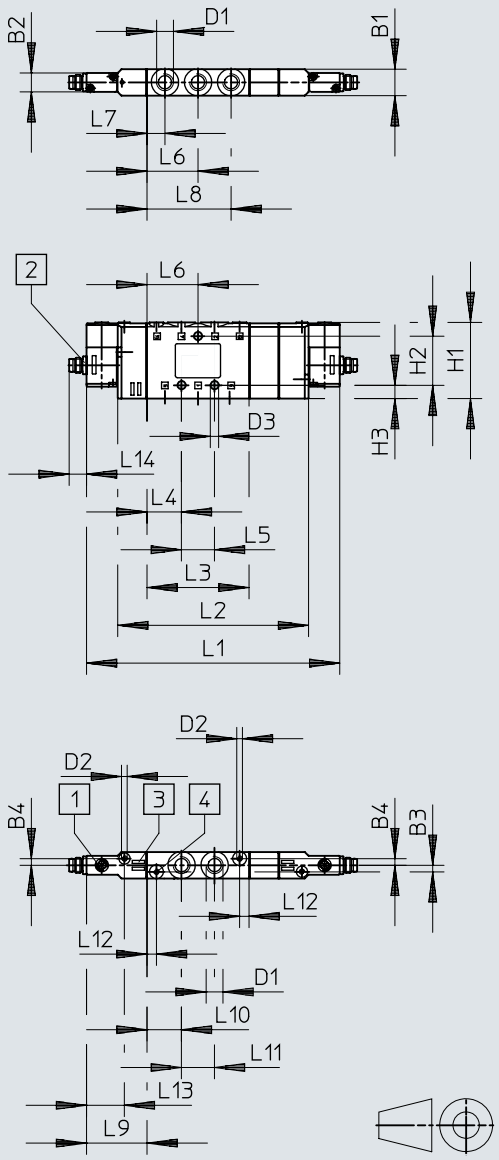
CPE14-M1CH-5L...



CPE14-M1CH-3-...



CPE14-M1...H-5J-...
CPE14-M1...H-5/3-...



[1] Manual override
[2] 1x M8 plug
[3] Space for inscription label
[4] Port 12/14 for external pilot air supply

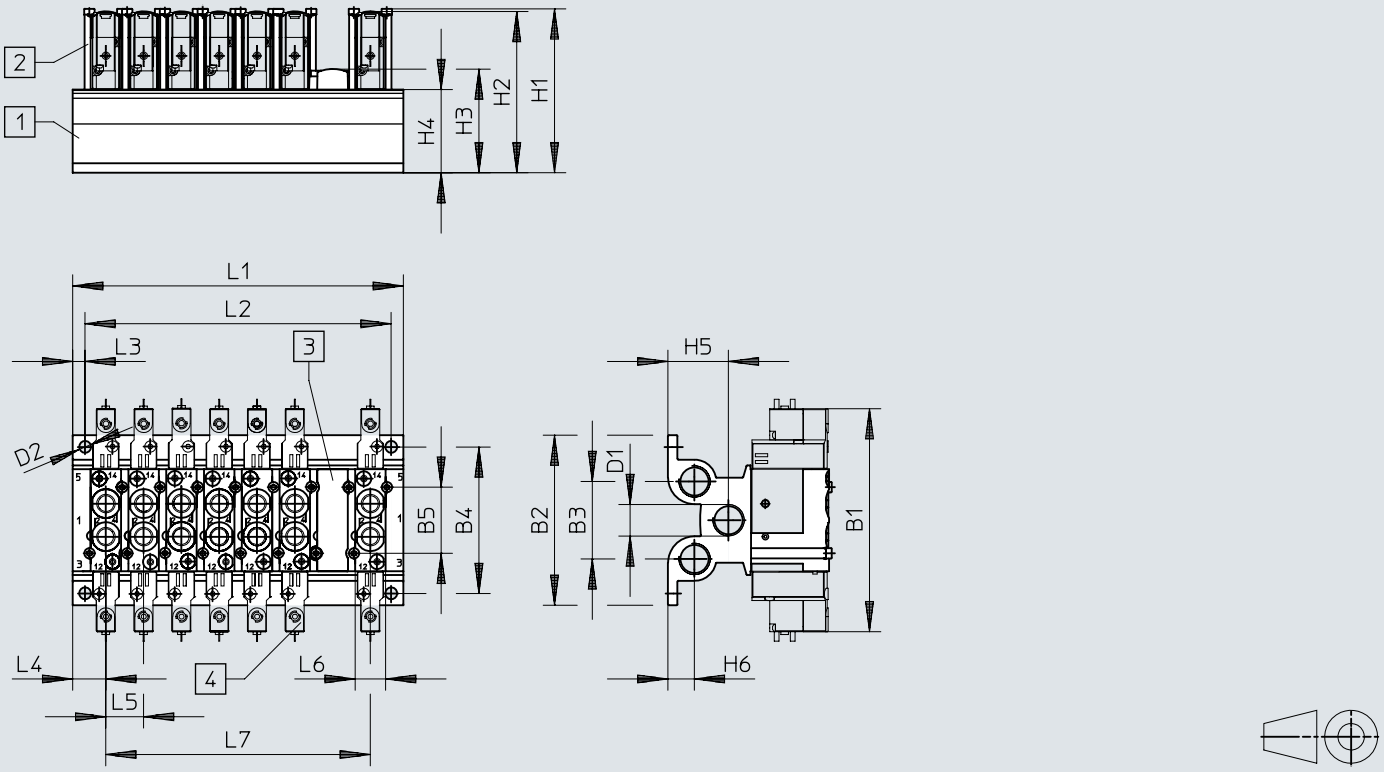
Dimensions

	B1	B2	B3	B4	D1	D2	D3 Ø	H1	H2	H3
CPE14-M1CH-3...	14	10	3,5	3,5	G1/8	M3	4,4	40,3	26	7
CPE14-M1CH-5L...										
CPE14-M1CH-5J...								40,4		
CPE14-M1BH-5J								40,3		
CPE14-M1BH-5/3										

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14
CPE14-M1CH-3...	67	50,5	35	18,3	–	27	9,5	–	32	18,3	–	5	20	9,2
CPE14-M1CH-5L...	101,5	85	54		17,5			44,5			17,5			
CPE14-M1CH-5J...	118													
CPE14-M1BH-5J...														
CPE14-M1BH-5/3...	134	101												

Dimensions

Dimensions – CPE14, connection block, fixed grid manifold 5/2 and 5/3 Download CAD data www.festo.com



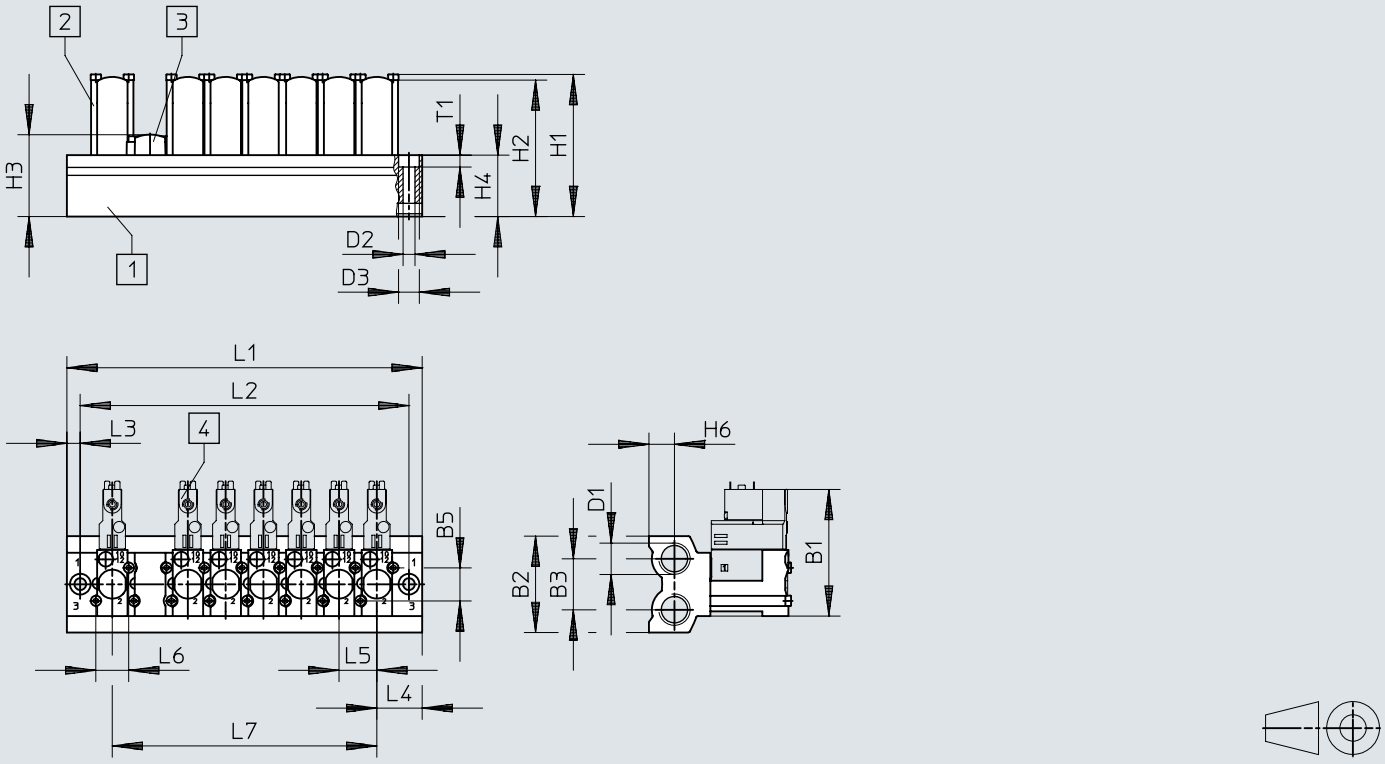
[1] Manifold block grid dimension 16 mm
[2] Retainer
[3] Cover plate
[4] Valves

	B1	B2	B3	B4	B5	D1	D2 ø	H1	H2	H3	H4	H5	H6
CPE14-PRS...	118	90	41	77,5	35	G3/8	6,3	86,7	84,8	54,8	44	32	14

	L1	L2	L3	L4	L5	L6	L7
CPE14-PRS...	35 + (n–1) x 20	L1 – 13 ± 0,1	6,5	17,5	20	17,4	(n–1) x 20

Dimensions

Dimensions – CPE14, connection block, fixed grid manifold 3/2 Download CAD data www.festo.com



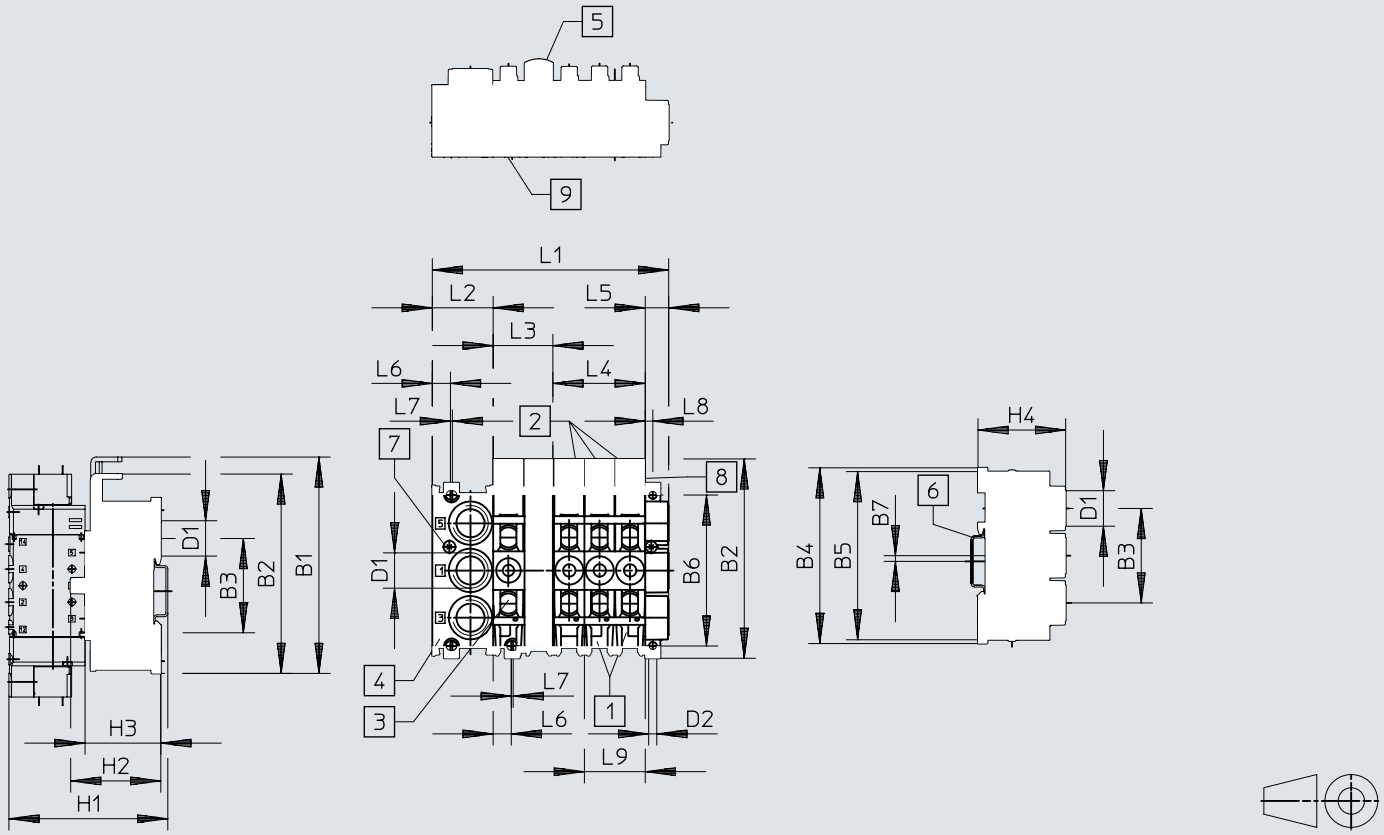
[1] Manifold block grid dimension 20 mm
[2] Retainer
[3] Cover plate
[4] Valves

	B1	B2	B3	B5	D1	D2 ø	D3 ø	H1	H2	H3	H4	H6
CPE14-3/2-PRS...	67	51	27	17,5	G3/8	6,3	11	75,2	72,2	43,3	32,5	13,5

	L1	L2	L3	L4	L5	L6	L7	T1
CPE14-3/2-PRS...	48 + (n–1) x 20	34 + (n–1) x 20	7	24	20	17,4	(n–1) x 20	6,3

Dimensions

Dimensions – CPE14, modular manifold Download CAD data www.festo.com



[1] Manifold block CPE...-PRSG...-2 for 2 valves
[2] Manifold block CPE...-PRSG...-3 for 3 valves
[3] Expansion block CPE...-PRSE...-2 for 2 valves
[4] End block CPE...-PRS-EP
[5] Cover plate CPE...-PRSB
[6] H-rail to EN 50002 for mounting
[7] Clamping screw for H-rail
[8] Location for inscription labels type IBS 6 x 10
[9] Connecting component

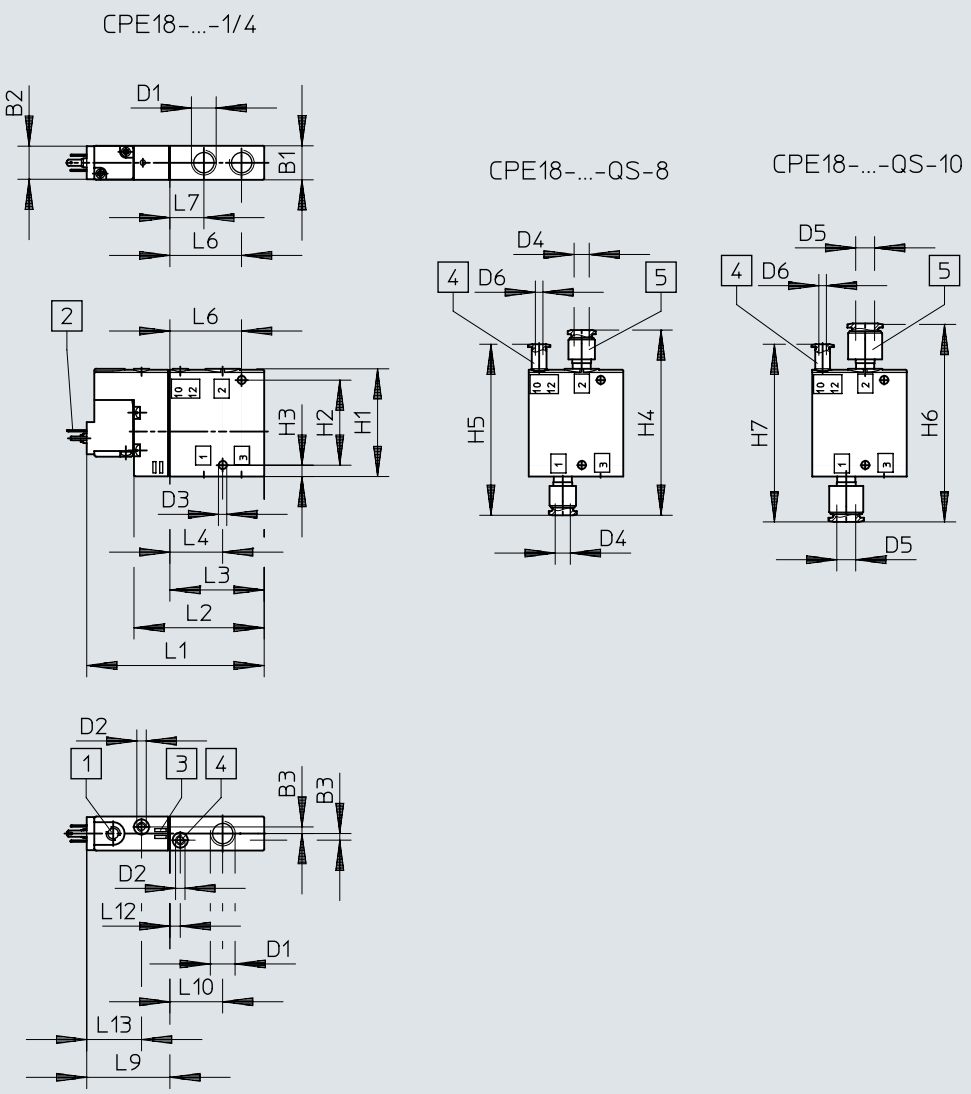
	B1	B2	B3	B4	B5	B6	B7	D1	D2 ø	H1	H2	H3	H4
CPE14	114,6	105,6	50	93	89	80	3	G3/8	4,3	~84	~48	~40	46,4

	L1[1)]	L2	L3	L4	L5	L6	L7	L8	L9
CPE14	32+(nx16)+12,4	32	32	48	12,4	10,1	–	4	32

1) n = number of valve positions

Dimensions

Dimensions – CPE18, 3/2-way valve Download CAD data www.festo.com



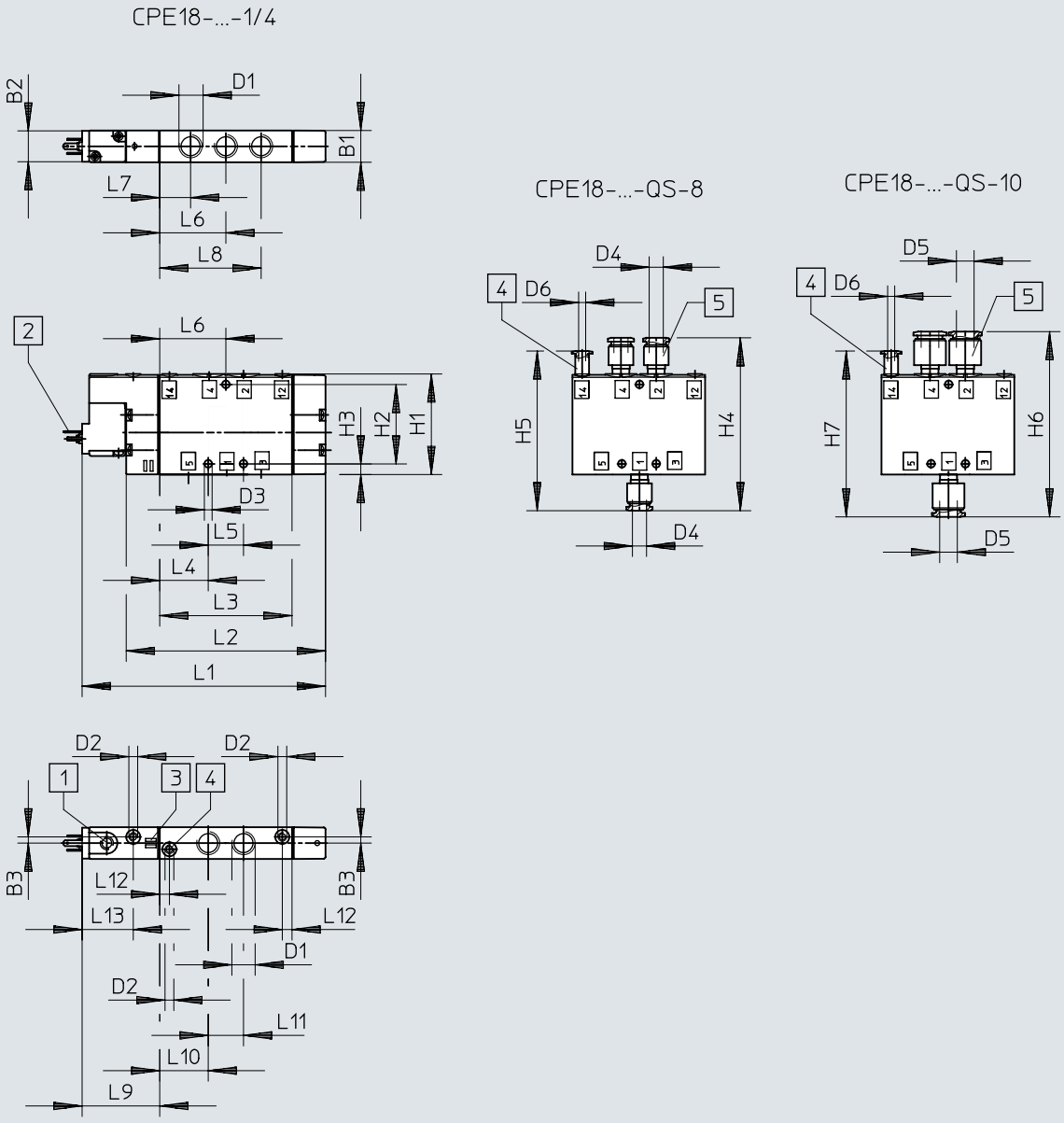
[1] Manual override
[2] Plug type C to DIN EN 175301-803
[3] Space for inscription label
[4] Port 10/12 for external pilot air supply
[5] QA push-in fitting

	B1	B2	B3	D1	D2	D3 ø	D4 ø	D5 ø	D6 ø	H1	H2	H3	H4	H5	H6	H7
CPE18-M1H-3...	18	17,5	3,5	G1/4	M5	4,4	8	10	4	57	45	6	98	90,5	105	94

	L1	L2	L3	L4	L6	L7	L9	L10	L12	L13
CPE18-M1H-3...	94	69	50	28	38	18	44	28	5,5	29

Dimensions

Dimensions – CPE18, 5/2-way valve, single solenoid Download CAD data www.festo.com



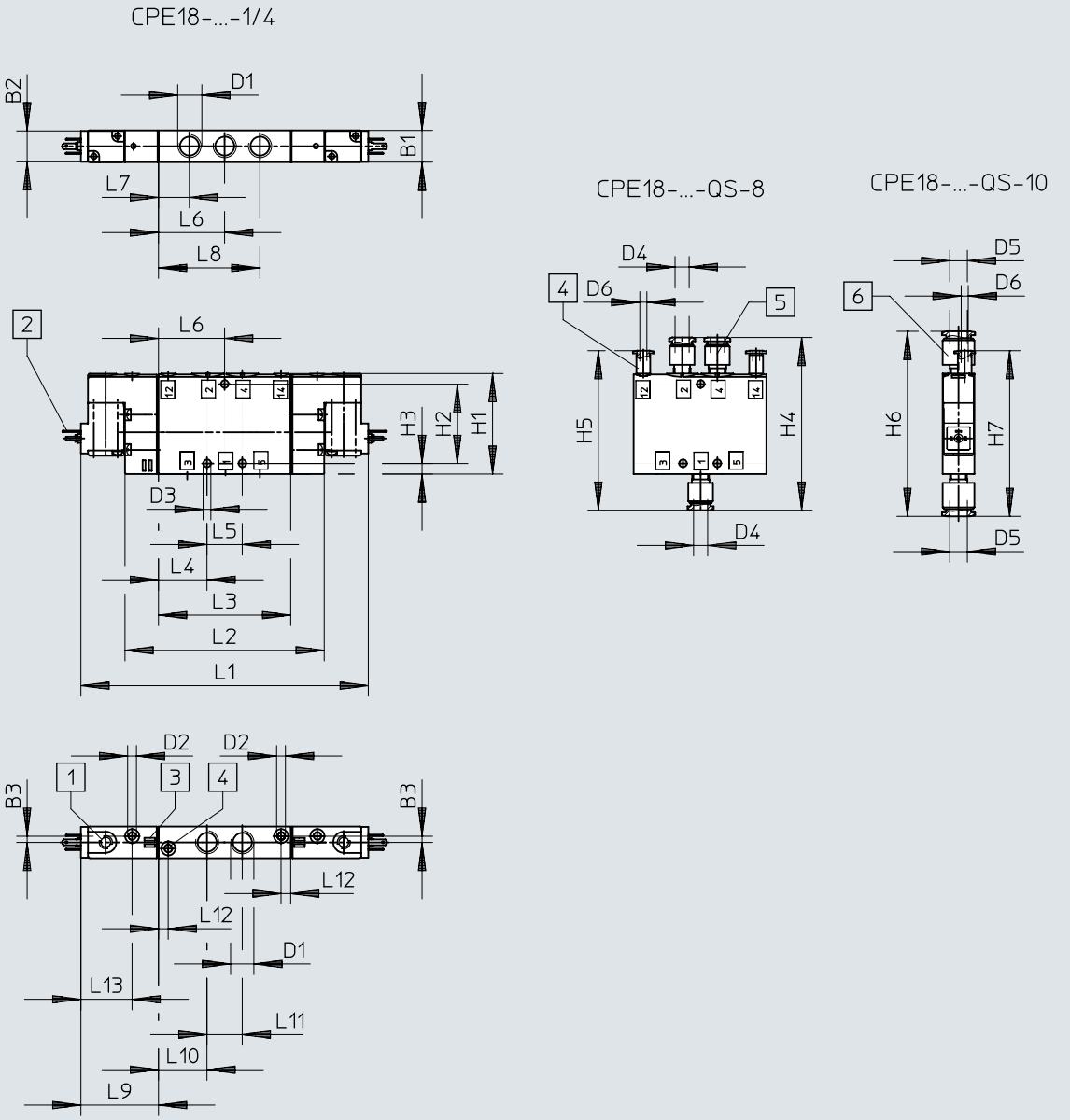
[1] Manual override
[2] Plug type C to DIN EN 175301-803
[3] Space for inscription label
[4] Port 12/14 for external pilot air supply
[5] QA push-in fitting

	B1	B2	B3	D1	D2	D3 ø	D4 ø	D5 ø	D6 ø	H1	H2	H3	H4	H5	H6	H7
CPE18-M1H-5...	18	17,5	3,5	G1/4	M5	4,4	8	10	4	57	45	6	98	90,5	105	94

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13
CPE18-M1H-5...	138	113	75	27,5	20	37,5	17,5	57,5	44	27,5	20	5,5	29

Dimensions

Dimensions – CPE18, 5/2-way valve, double solenoid, double pilot valve Download CAD data www.festo.com



[1] Manual override
[2] Plug type C to DIN EN 175301-803
[3] Space for inscription label
[4] Port 12/14 for external pilot air supply
[5] QS push-in fitting 8
[6] QS push-in fitting 10

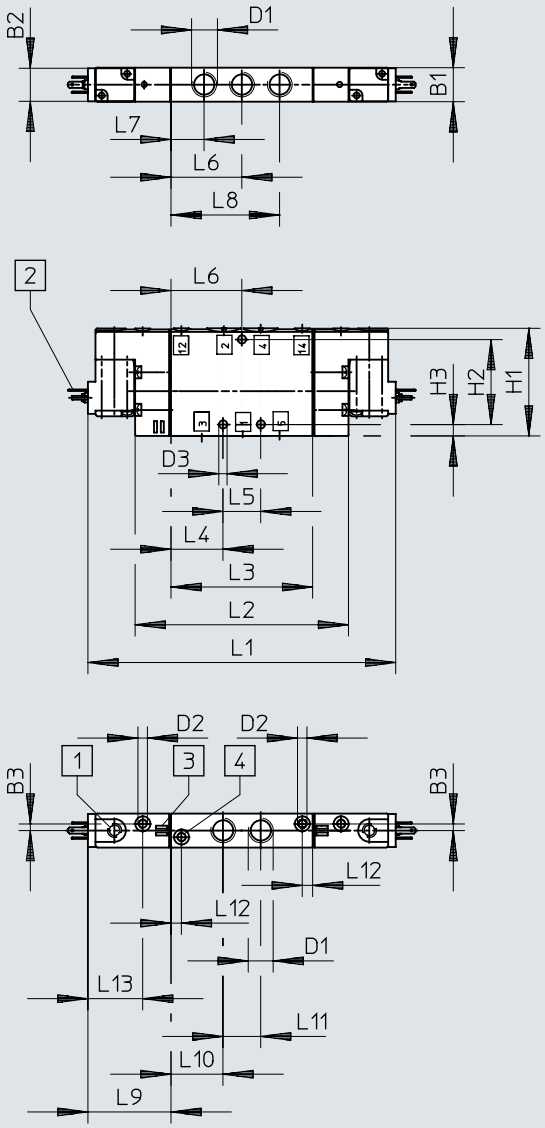
	B1	B2	B3	D1	D2	D3 ø	D4 ø	D5 ø	D6 ø	H1	H2	H3	H4	H5	H6	H7
CPE18-...-5J-1/4	18	17,5	3,5	G1/4	M5	4,4	8	10	4	57	45	6	98	90,5	105	94

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13
CPE18-...-5J-1/4	163	113	75	27,5	20	37,5	17,5	57,5	44	27,5	20	5,5	29

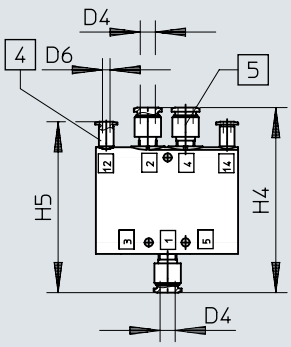
Dimensions

Dimensions – CPE18, 5/3-way valve Download CAD data www.festo.com

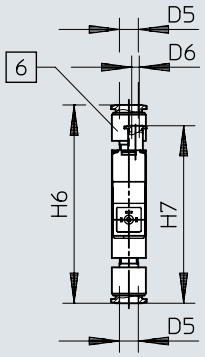
CPE18-...-1/4

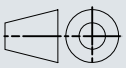


CPE18-...-QS-8



CPE18-...-QS-10





[1] Manual override
[2] Plug type C to DIN EN 175301-803
[3] Space for inscription label
[4] Port 12/14 for external pilot air supply
[5] QA push-in fitting

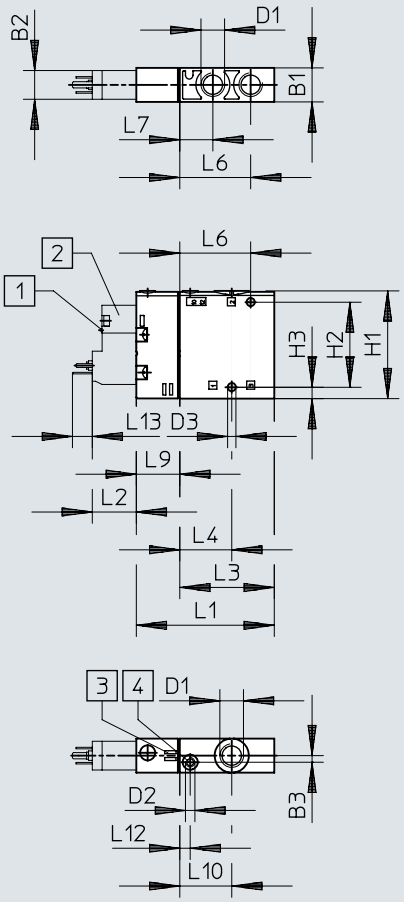
	B1	B2	B3	D1	D2	D3 ø	D4 ø	D5 ø	D6 ø	H1	H2	H3	H4	H5	H6	H7
CPE18-...-5J-1/4	18	17,5	3,5	G1/4	M5	4,4	8	10	4	57	45	6	98	90,5	105	94

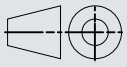
	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13
CPE18-...-5J-1/4	163	113	75	27,5	20	37,5	17,5	57,5	44	27,5	20	5,5	29

Dimensions

Dimensions – CPE18, directional control valves without pilot valve, 3/2-way valve

Download CAD data www.festo.com





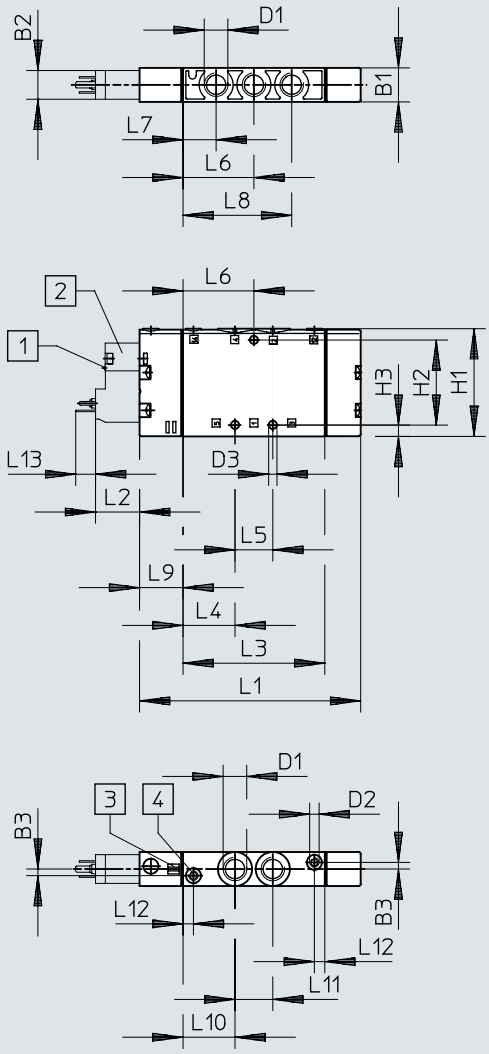
[1] Manual override
[2] Pilot valve with plug type C to EN 175301-803
[3] Space for inscription label
[4] Port 10/12 for external pilot air supply

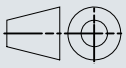
	B1	B2	B3	D1	D2	D3 ø	H1	H2	H3	L1	L2	L3	L4	L6	L7	L9	L10	L12	L13
CPE18-P1-3	18	15,2	3,5	G1/4	M5	4,4	57	45	6	73	23,3	50	27,5	37,5	17,5	23	27,5	5,5	10,5

Dimensions

Dimensions – CPE18, directional control valves without pilot valve, 5/2-way valve

Download CAD data www.festo.com





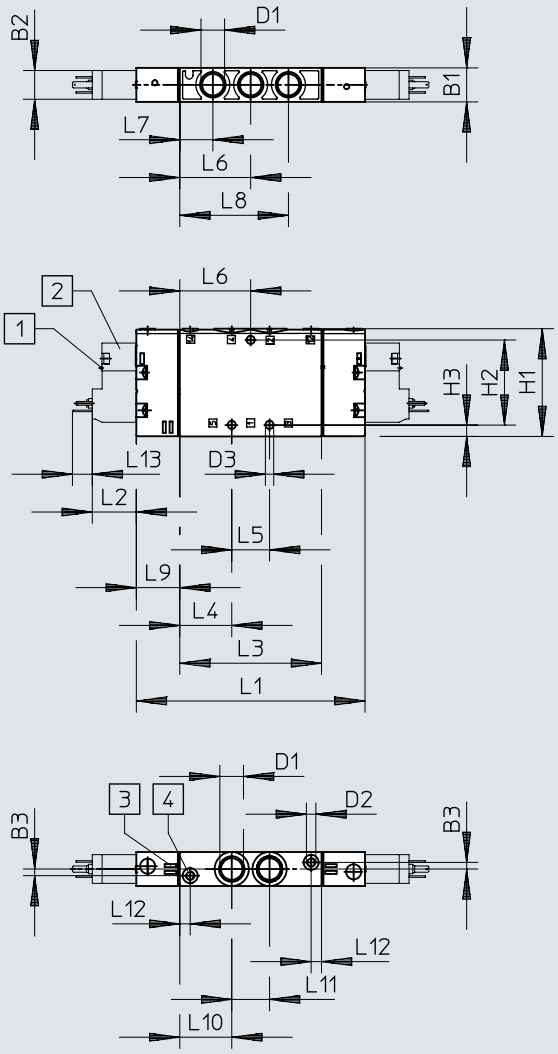
[1] Manual override
[2] Pilot valve with plug type C to EN 175301-803
[3] Space for inscription label
[4] Port 12/14 for external pilot air supply

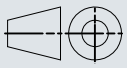
	B1	B2	B3	D1	D2	D3 ø	H1	H2	H3	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13
CPE18-P1-5L	18	15,2	3,5	G1/4	M5	4,4	57	45	6	117	23,3	75	27,5	20	37,5	17,5	57,5	23	27,5	20	5,5	10,5

Dimensions

Dimensions – CPE18, directional control valves without pilot valve, 5/2 double pilot valve

Download CAD data www.festo.com





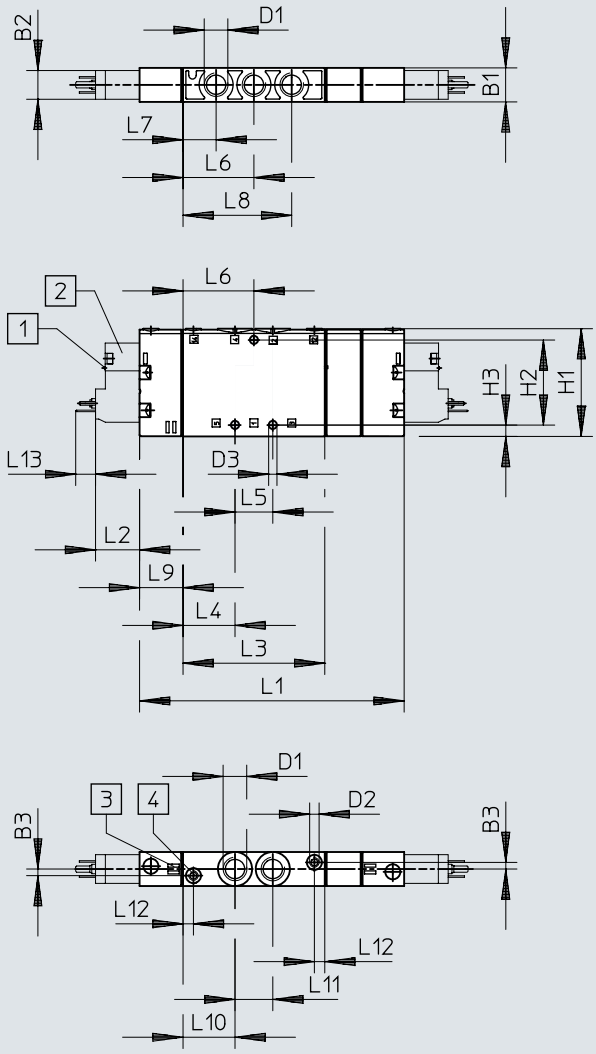
[1] Manual override
[2] Pilot valve with plug type C to EN 175301-803
[3] Space for inscription label
[4] Port 12/14 for external pilot air supply

	B1	B2	B3	D1	D2	D3 ø	H1	H2	H3	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13
CPE18-P1-5J	18	15,2	3,5	G1/4	M5	4,4	57	45	6	121	23,3	75	27,5	20	37,5	17,5	57,5	23	27,5	20	5,5	10,5

Dimensions

Dimensions – CPE18, directional control valves without pilot valve, 5/3-way valve

Download CAD data www.festo.com

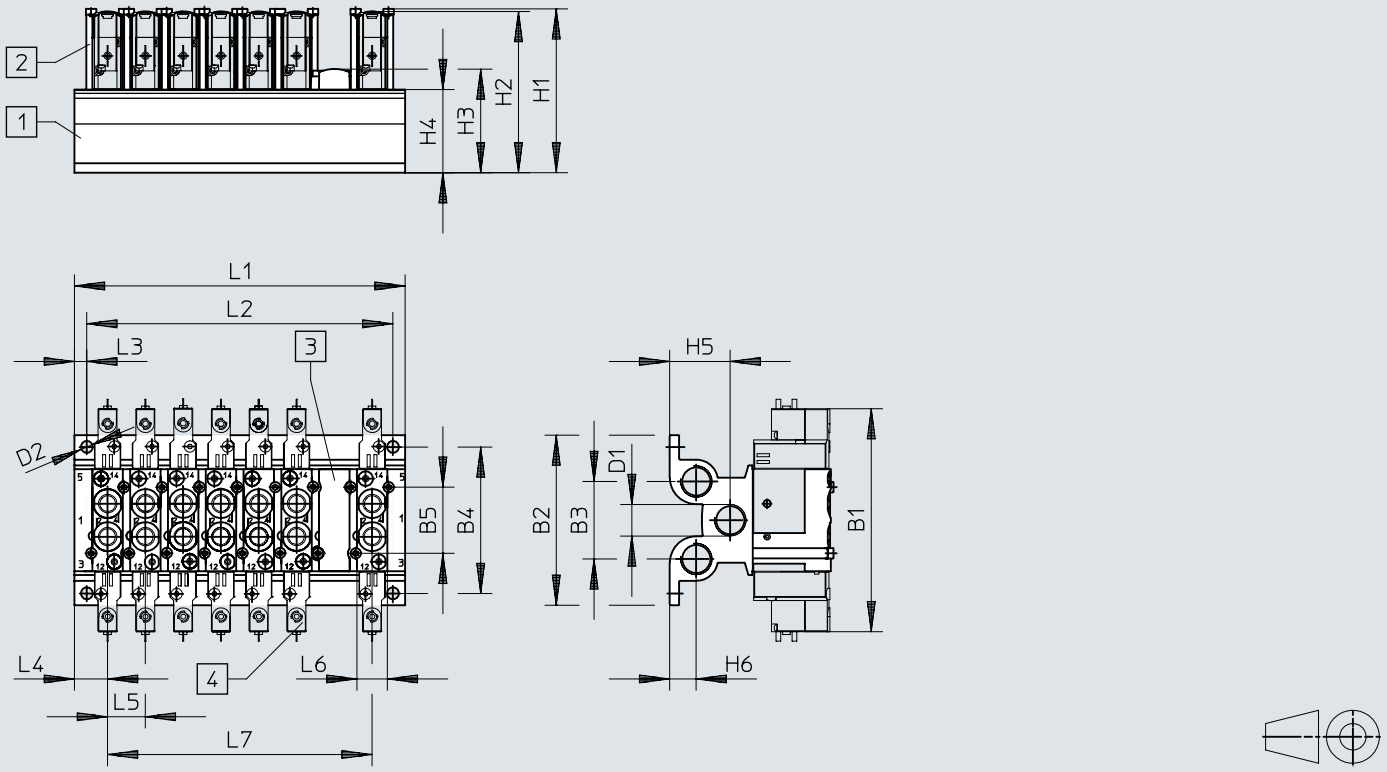


[1] Manual override
[2] Pilot valve with plug type C to EN 175301-803
[3] Space for inscription label
[4] Port 12/14 for external pilot air supply

	B1	B2	B3	D1	D2	D3 ø	H1	H2	H3	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13
CPE18-P1-5J	18	15,2	3,5	G1/4	M5	4,4	57	45	6	121	23,3	75	27,5	20	37,5	17,5	57,5	23	27,5	20	5,5	10,5
CPE18-P1-5/3										140												

Dimensions

Dimensions – CPE18, connection block, fixed grid manifold 5/2 and 5/3 Download CAD data www.festo.com



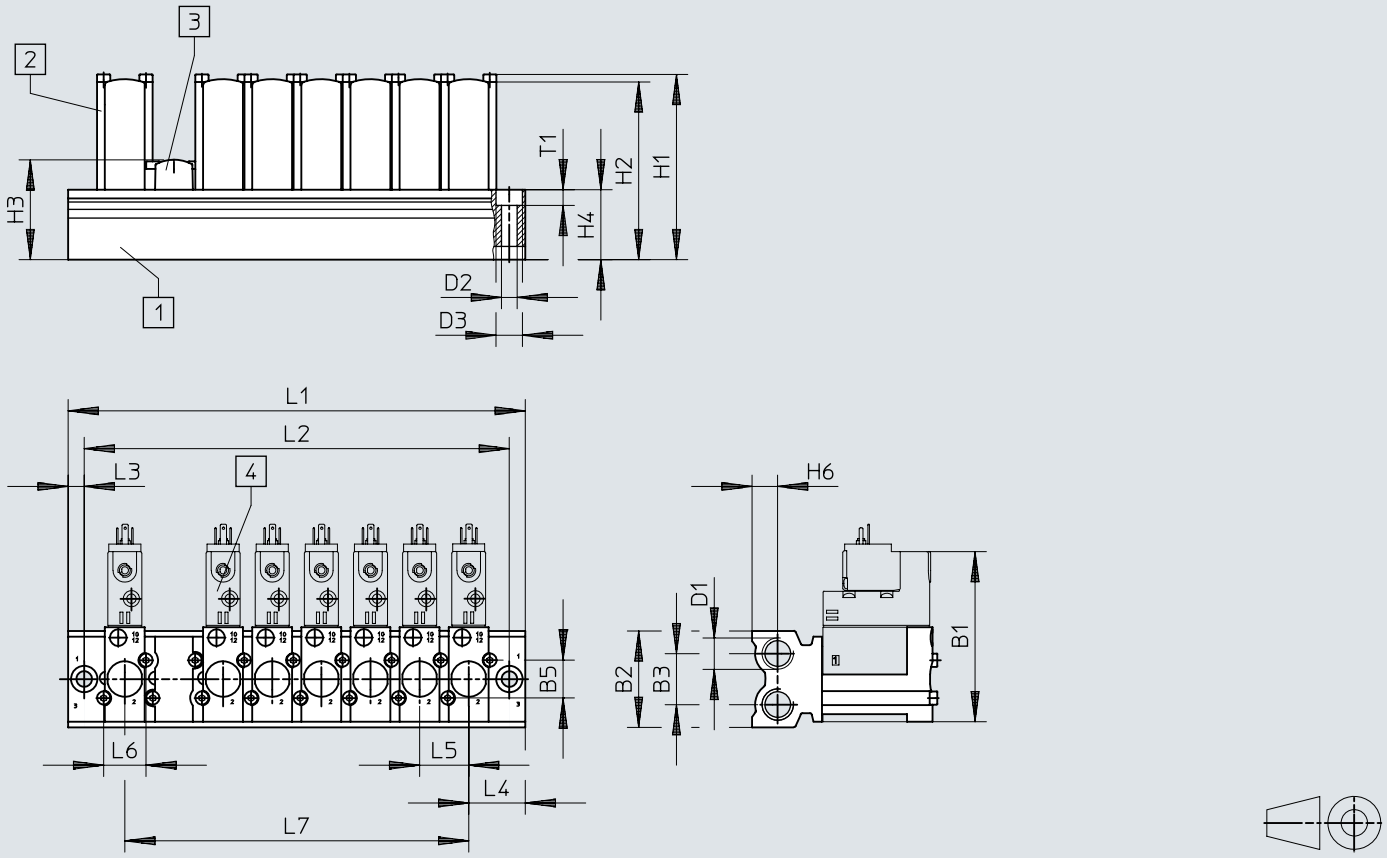
[1] Manifold block grid dimension 26 mm
[2] Retainer
[3] Cover plate
[4] Valves

	B1	B2	B3	B4	B5	D1	D2 ⌀	H1	H2	H3	H4	H5	H6
CPE18-PRS...	155	102	46	86,5	40	G3/8	8,3	105	101,45	59,8	44	30,5	14

	L1	L2	L3	L4	L5	L6	L7
CPE18-PRS...	45 + (n–1) x 26	L1 – 17 ± 0,1	8,5	22,5	26	22,4	(n–1) x 26

Dimensions

Dimensions – CPE18, connection block, fixed grid manifold 3/2 Download CAD data www.festo.com



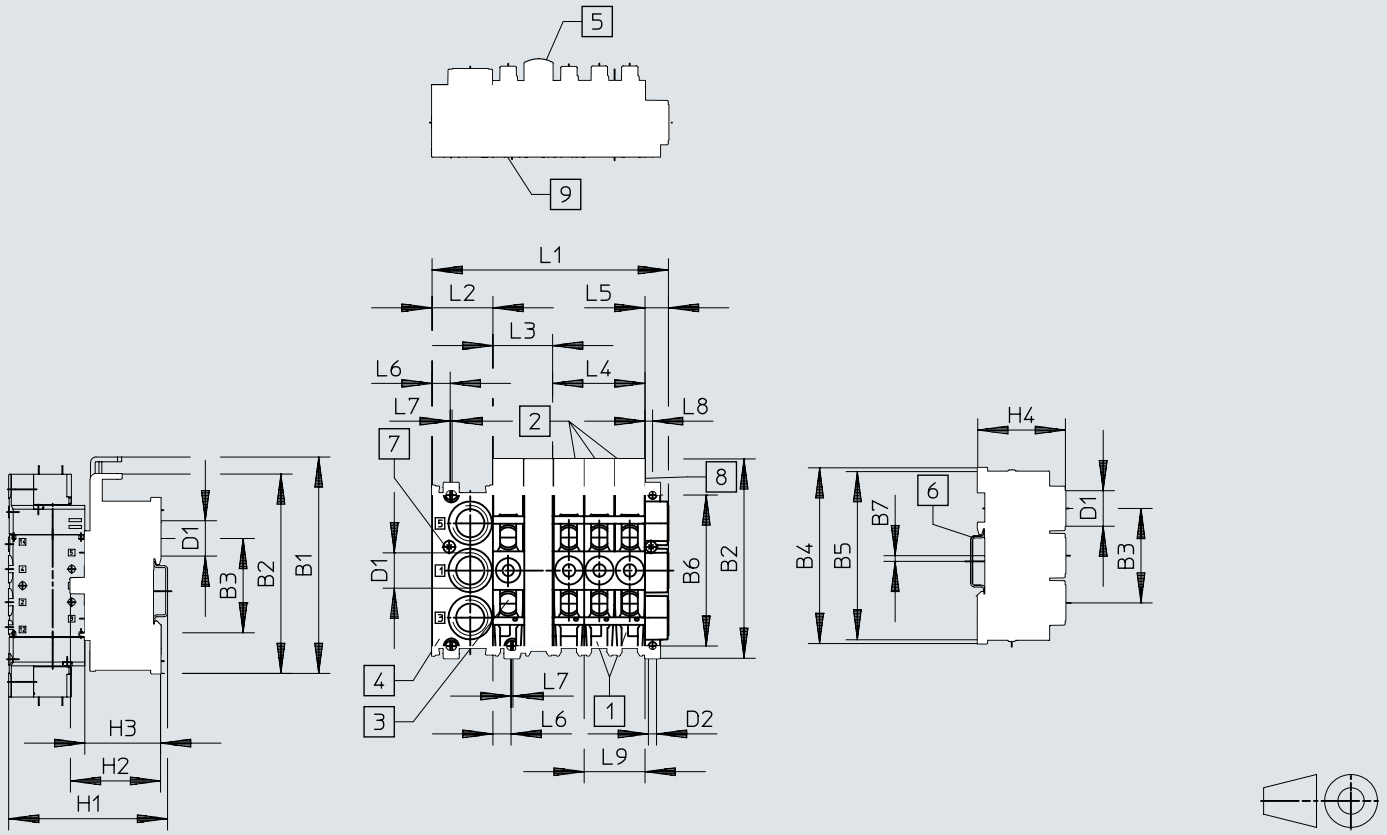
[1] Manifold block grid dimension 26 mm
[2] Retainer
[3] Cover plate
[4] Valves

	B1	B2	B3	B5	D1	D2 ø	D3 ø	H1	H2	H3	H4	H6
CPE18-3/2-PRS...	90	51	27	200	G3/8	8,3	14	98	94	52,8	37	13,5

	L1	L2	L3	L4	L5	L6	L7	T1
CPE18-3/2-PRS...	60 + (n–1) x 26	43 + (n–1) x 26	8,5	24	26	22,4	(n–1) x 26	8,3

Dimensions

Dimensions – CPE18, modular manifold Download CAD data www.festo.com



[1] Manifold block CPE...-PRSG...-2 for 2 valves
[2] Manifold block CPE...-PRSG...-3 for 3 valves
[3] Expansion block CPE...-PRSE...-2 for 2 valves
[4] End block CPE...-PRS-EP
[5] Cover plate CPE...-PRSB
[6] H-rail to EN 50002 for mounting
[7] Clamping screw for H-rail
[8] Location for inscription labels type IBS 6 x 10
[9] Connecting component

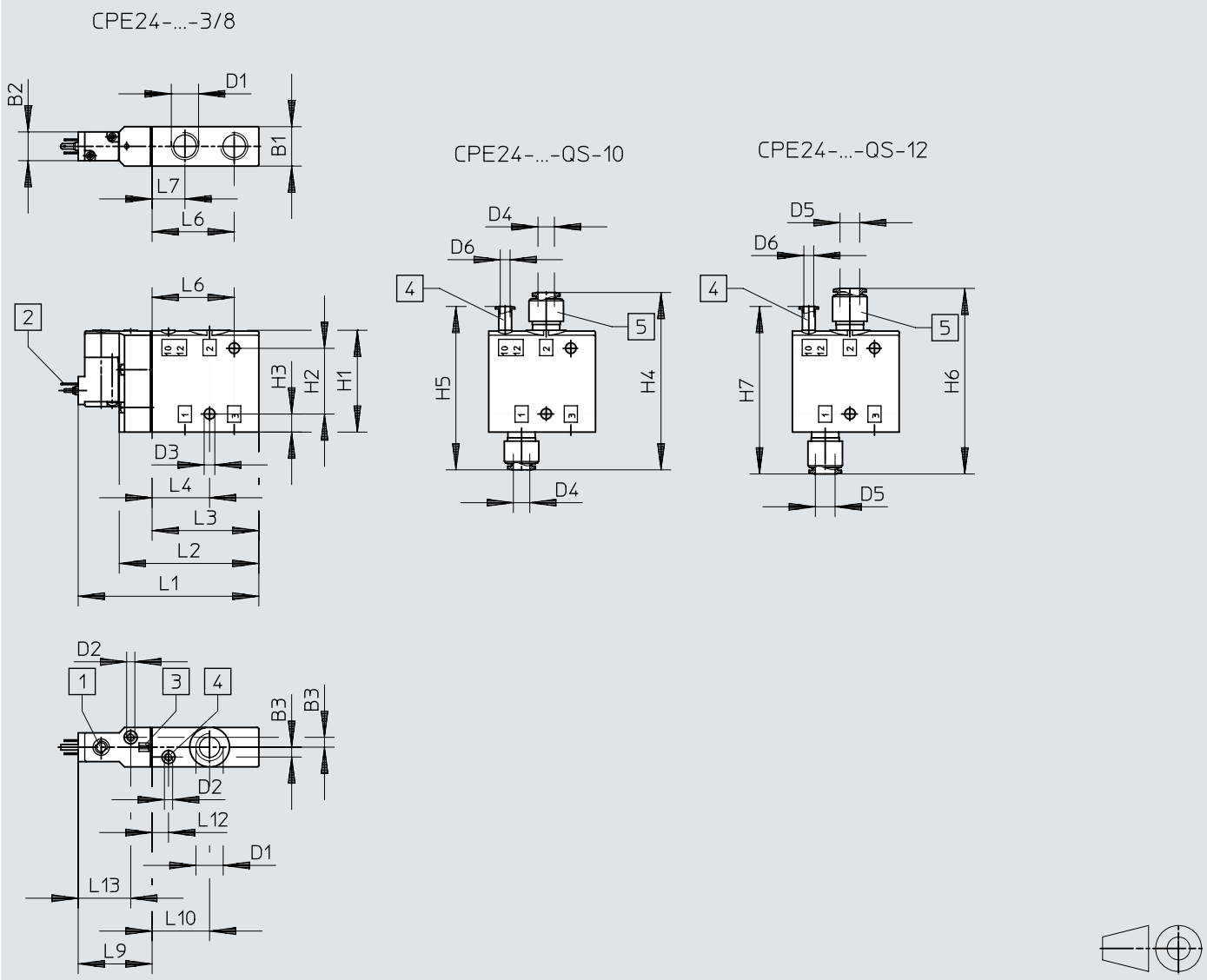
	B1	B2	B3	B4	B5	B6	B7	D1	D2 ⌀	H1	H2	H3	H4
CPE18	151,6	136,5	59	113	–	100	2,75	G1/2	5,3	~106	~58	~46	51,4

	L1[1)]	L2	L3	L4	L5	L6	L7	L8	L9
CPE18	40+(nx20)+16,4	40	40	60	16,4	12,6	1	5,2	40

1) n = number of valve positions

Dimensions

Dimensions – CPE24, 3/2-way valve Download CAD data www.festo.com



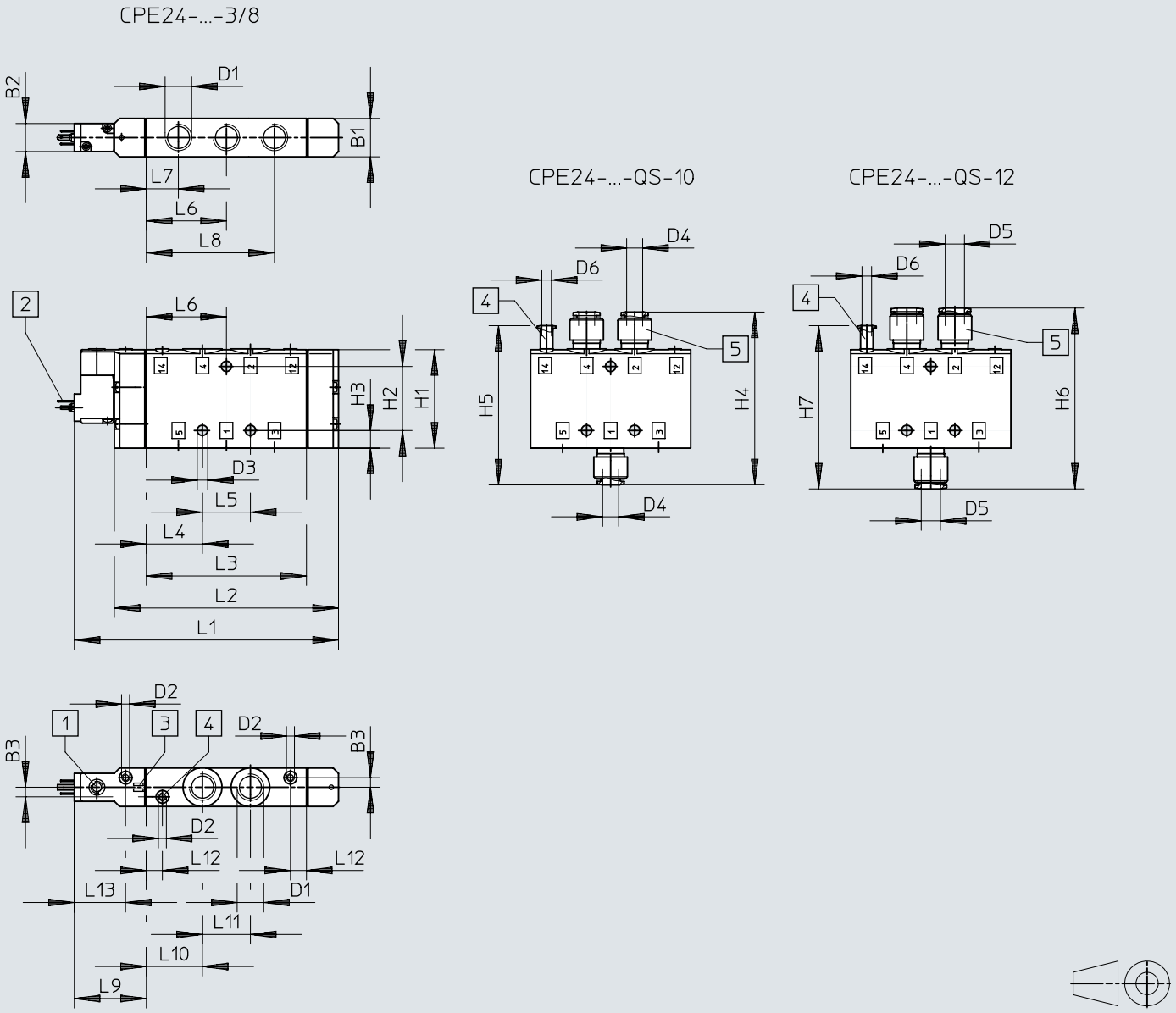
[1] Manual override
[2] Plug type C to DIN EN 175301-803
[3] Space for inscription label
[4] Port 10/12 for external pilot air supply
[5] QA push-in fitting

	B1 ±0,1	B2 - 0,5	B3	D1	D2	D3 ø	D4 ø	D5 ø	D6 ø	H1 ±0,25	H2	H3 ±0,1	H4	H5	H6	H7
CPE24-M1H-3...	24	17,5	6	G3/8	M5	6,5	10	12	6	62	40	11	108	99,5	113	102

	L1	L2	L3 ±0,2	L4 ±0,12	L6 ±0,15	L7 ±0,12	L9	L10	L12 ±0,12	L13
CPE124-M1H-3...	110	85	65	35	50	20	45	35	10	32

Dimensions

Dimensions – CPE24, 5/2-way valve, single solenoid Download CAD data www.festo.com



[1] Manual override
[2] Plug type C to DIN EN 175301-803
[3] Space for inscription label
[4] Port 12/14 for external pilot air supply
[5] QA push-in fitting

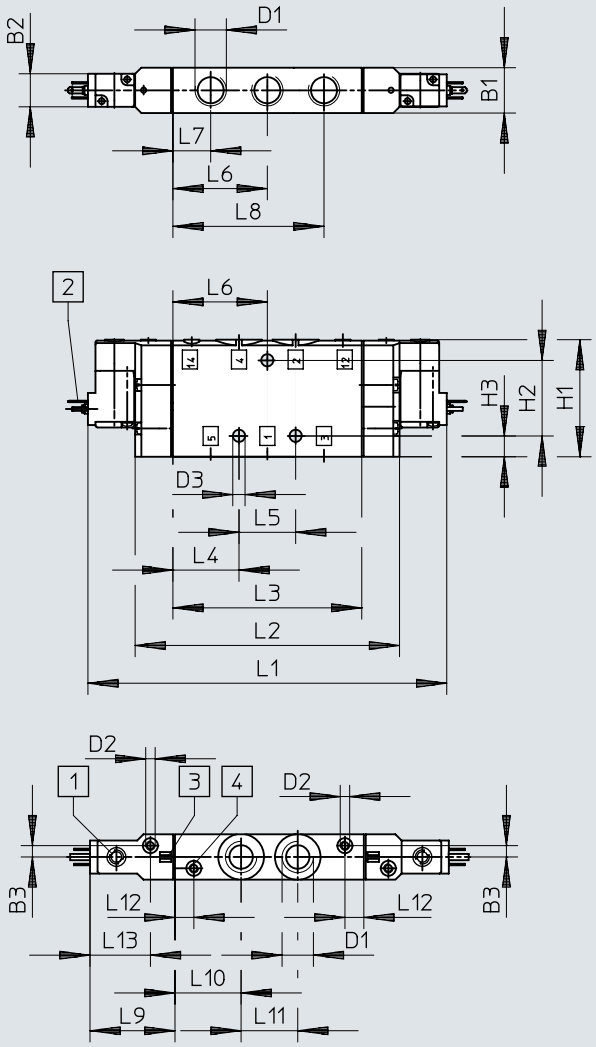
	B1	B2	B3	D1	D2	D3 ø	D4 ø	D5 ø	D6 ø	H1	H2	H3	H4	H5	H6	H7
CPE24-M1H-5L...	24	17,5	6	G3/8	M5	6,5	10	12	6	62	40	11	108	99,5	113	102

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13
CPE24-M1H-5L...	165	140	100	35	30	50	20	80	45	35	30	10	32

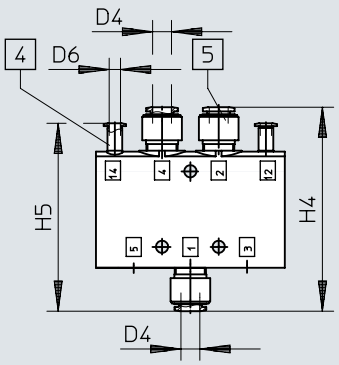
Dimensions

Dimensions – CPE24, 5/2-way valve, double solenoid Download CAD data www.festo.com

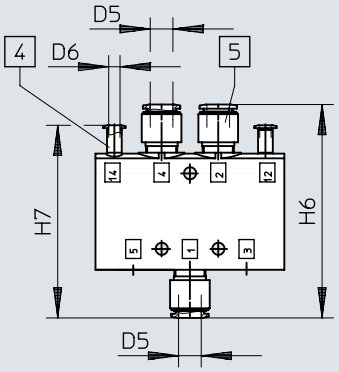
CPE24-...-5J-3/8

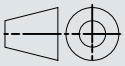


CPE24-...-QS-10



CPE24-...-QS-12





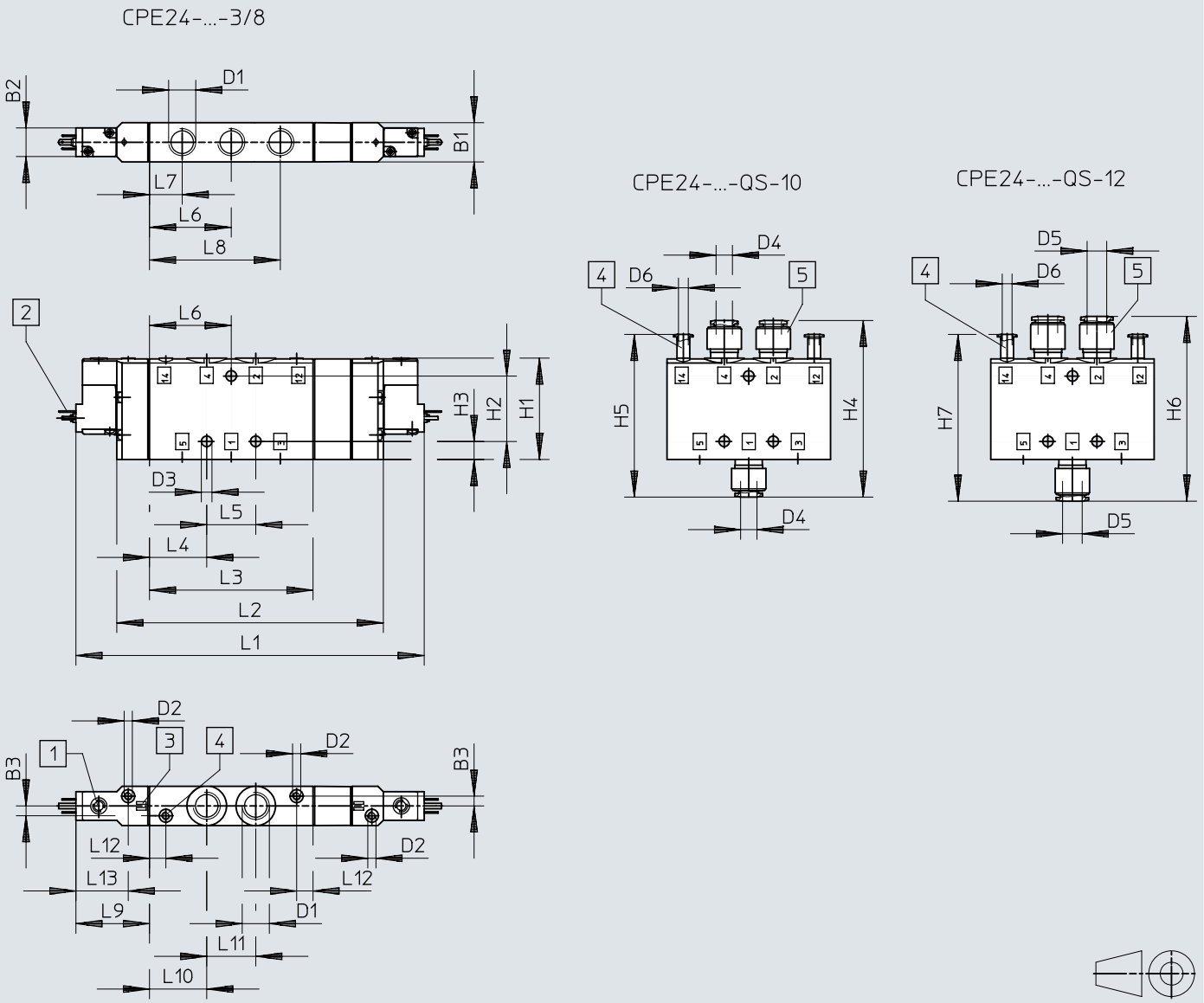
[1] Manual override
[2] Plug type C to DIN EN 175301-803
[3] Space for inscription label
[4] Port 12/14 for external pilot air supply
[5] QA push-in fitting

	B1	B2	B3	D1	D2	D3 ø	D4 ø	D5 ø	D6 ø	H1	H2	H3	H4	H5	H6	H7
CPE24-...-5J-3/8	24	17,5	6	G3/8	M5	6,5	10	12	6	62	40	11	108	99,5	113	102

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13
CPE24-...-5J-3/8	190	140	100	35	30	50	20	80	45	35	30	10	32

Dimensions

Dimensions – CPE24, 5/3-way valve Download CAD data www.festo.com



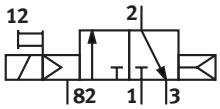
[1] Manual override
[2] Plug type C to DIN EN 175301-803
[3] Space for inscription label
[4] Port 12/14 for external pilot air supply
[5] QA push-in fitting

	B1 ±0,1	B2 - 0,5	B3	D1	D2	D3 ø	D4 ø	D5 ø	D6 ø	H1 ±0,25	H2	H3 ±0,1	H4	H5	H6	H7
CPE24-M1H...-5	24	17,5	6	G3/8	M5	6,5	10	12	6	62	40	11	108	99,5	113	102
CPE24-M1H...-5/3																

	L1	L2	L3 ±0,2	L4 ±0,2	L5	L6	L7 ±0,12	L8 ±0,2	L9	L10 ±0,12	L11	L12 ±0,12	L13
CPE24-M1H...-5J	190	140	100	35	30	50	20	80	45	35	30	10	32
CPE24-M1H...-5/3	213	163											

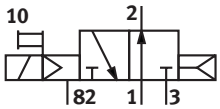
Ordering data

CPE10, 3/2-way valve, normally closed, internal pilot air supply



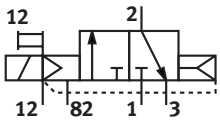
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	M5		190 l/min	**196845**	**CPE10-M1BH-3GL-M5**
	M7	40 g	400 l/min	**196915**	**CPE10-M1BH-3GL-M7**
	QS-4		190 l/min	**196846**	**CPE10-M1BH-3GL-QS-4**
	QS-6		300 l/min	**196847**	**CPE10-M1BH-3GL-QS-6**
4-pin, M8x1	M7	40 g	400 l/min	**550233**	**CPE10-M1CH-3GL-M7**

CPE10, 3/2-way valve, normally open, internal pilot air supply



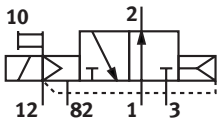
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	M5		190 l/min	**196851**	**CPE10-M1BH-3OL-M5**
	M7	40 g	400 l/min	**196917**	**CPE10-M1BH-3OL-M7**
	QS-4		190 l/min	**196852**	**CPE10-M1BH-3OL-QS-4**
	QS-6		300 l/min	**196853**	**CPE10-M1BH-3OL-QS-6**
4-pin, M8x1	M7	40 g	400 l/min	**550235**	**CPE10-M1CH-3OL-M7**

CPE10, 3/2-way valve, normally closed, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	M5		190 l/min	**196848**	**CPE10-M1BH-3GLS-M5**
	M7	40 g	400 l/min	**196916**	**CPE10-M1BH-3GLS-M7**
	QS-4		190 l/min	**196849**	**CPE10-M1BH-3GLS-QS-4**
	QS-6		300 l/min	**196850**	**CPE10-M1BH-3GLS-QS-6**
4-pin, M8x1	M7	40 g	400 l/min	**550234**	**CPE10-M1CH-3GLS-M7**

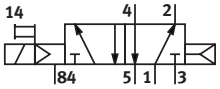
CPE10, 3/2-way valve, normally open, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	M5		190 l/min	**196854**	**CPE10-M1BH-3OLS-M5**
	M7	40 g	400 l/min	**196918**	**CPE10-M1BH-3OLS-M7**
	QS-4		190 l/min	**196855**	**CPE10-M1BH-3OLS-QS-4**
	QS-6		300 l/min	**196856**	**CPE10-M1BH-3OLS-QS-6**
4-pin, M8x1	M7	40 g	400 l/min	**550236**	**CPE10-M1CH-3OLS-M7**

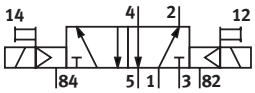
Ordering data

CPE10, 5/2-way single solenoid valve, internal pilot air supply



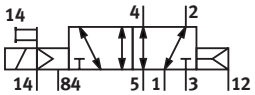
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	M5		180 l/min	**196881**	**CPE10-M1BH-5L-M5**
	M7	56 g	350 l/min	**196927**	**CPE10-M1BH-5L-M7**
	QS-4		180 l/min	**196882**	**CPE10-M1BH-5L-QS-4**
	QS-6		320 l/min	**196883**	**CPE10-M1BH-5L-QS-6**
4-pin, M8x1	M7	56 g	350 l/min	**550223**	**CPE10-M1CH-5L-M7**

CPE10, 5/2 double pilot valve, internal pilot air supply



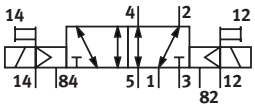
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	M5		180 l/min	**196875**	**CPE10-M1BH-5J-M5**
	M7	68 g	350 l/min	**196925**	**CPE10-M1BH-5J-M7**
	QS-4		180 l/min	**196876**	**CPE10-M1BH-5J-QS-4**
	QS-6		320 l/min	**196877**	**CPE10-M1BH-5J-QS-6**
4-pin, M8x1	M7	68 g	350 l/min	**550225**	**CPE10-M1CH-5J-M7**

CPE10, 5/2-way single solenoid valve, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	M5		180 l/min	**196884**	**CPE10-M1BH-5LS-M5**
	M7	56 g	350 l/min	**196928**	**CPE10-M1BH-5LS-M7**
	QS-4		180 l/min	**196885**	**CPE10-M1BH-5LS-QS-4**
	QS-6		320 l/min	**196886**	**CPE10-M1BH-5LS-QS-6**
4-pin, M8x1	M7	56 g	350 l/min	**550224**	**CPE10-M1CH-5LS-M7**

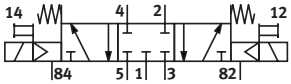
CPE10, 5/2 double pilot valve, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	M5		180 l/min	**196878**	**CPE10-M1BH-5JS-M5**
	M7	68 g	350 l/min	**196926**	**CPE10-M1BH-5JS-M7**
	QS-4		180 l/min	**196879**	**CPE10-M1BH-5JS-QS-4**
	QS-6		320 l/min	**196880**	**CPE10-M1BH-5JS-QS-6**
4-pin, M8x1	M7	68 g	350 l/min	**550226**	**CPE10-M1CH-5JS-M7**

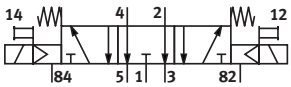
Ordering data

CPE10, 5/3 mid-position valve, normally closed, internal pilot air supply



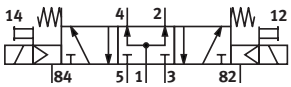
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	M5		180 l/min	**533159**	**CPE10-M1BH-5/3G-M5-B**
	M7	68 g	350 l/min	**533141**	**CPE10-M1BH-5/3G-M7-B**
	QS-4		180 l/min	**533147**	**CPE10-M1BH-5/3G-QS4-B**
	QS-6		300 l/min	**533153**	**CPE10-M1BH-5/3G-QS6-B**
4-pin, M8x1	M7	68 g	350 l/min	**550227**	**CPE10-M1CH-5/3G-M7**

CPE10, 5/3 mid-position valve, normally exhausted, internal pilot air supply



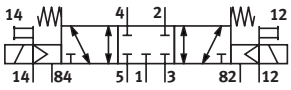
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	M5		180 l/min	**533161**	**CPE10-M1BH-5/3E-M5-B**
	M7	68 g	250 l/min	**533143**	**CPE10-M1BH-5/3E-M7-B**
	QS-4		180 l/min	**533149**	**CPE10-M1BH-5/3E-QS4-B**
	QS-6		250 l/min	**533155**	**CPE10-M1BH-5/3E-QS6-B**
4-pin, M8x1	M7	68 g		**550229**	**CPE10-M1CH-5/3E-M7**

CPE10, 5/3 mid-position valve, normally open, internal pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	M5		180 l/min	**533163**	**CPE10-M1BH-5/3B-M5-B**
	M7	68 g	300 l/min	**533145**	**CPE10-M1BH-5/3B-M7-B**
	QS-4		180 l/min	**533151**	**CPE10-M1BH-5/3B-QS4-B**
	QS-6		300 l/min	**533157**	**CPE10-M1BH-5/3B-QS6-B**
4-pin, M8x1	M7	68 g		**550231**	**CPE10-M1CH-5/3B-M7**

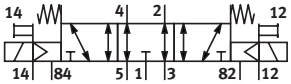
CPE10, 5/3 mid-position valve, normally closed, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	M5		180 l/min	**533160**	**CPE10-M1BH-5/3GS-M5-B**
	M7	68 g	350 l/min	**533142**	**CPE10-M1BH-5/3GS-M7-B**
	QS-4		180 l/min	**533148**	**CPE10-M1BH-5/3GS-QS4-B**
	QS-6		300 l/min	**533154**	**CPE10-M1BH-5/3GS-QS6-B**
4-pin, M8x1	M7	68 g	350 l/min	**550228**	**CPE10-M1CH-5/3GS-M7**

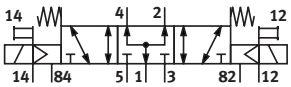
Ordering data

CPE10, 5/3 mid-position valve, normally exhausted, external pilot air supply



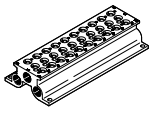
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	M5		180 l/min	**533162**	**CPE10-M1BH-5/3ES-M5-B**
	M7	68 g	250 l/min	**533144**	**CPE10-M1BH-5/3ES-M7-B**
	QS-4		180 l/min	**533150**	**CPE10-M1BH-5/3ES-QS4-B**
	QS-6		250 l/min	**533156**	**CPE10-M1BH-5/3ES-QS6-B**
4-pin, M8x1	M7	68 g		**550230**	**CPE10-M1CH-5/3ES-M7**

CPE10, 5/3 mid-position valve, normally open, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	M5		180 l/min	**533164**	**CPE10-M1BH-5/3BS-M5-B**
	M7	68 g	300 l/min	**533146**	**CPE10-M1BH-5/3BS-M7-B**
	QS-4		180 l/min	**533152**	**CPE10-M1BH-5/3BS-QS4-B**
	QS-6		300 l/min	**533158**	**CPE10-M1BH-5/3BS-QS6-B**
4-pin, M8x1	M7	68 g		**550232**	**CPE10-M1CH-5/3BS-M7**

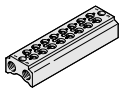
CPE10, manifold block for 5/2- and 5/3-way valves



Max. number of valve positions	Corrosion resistance class CRC [1]	Max. tightening torque for valve mounting	Product weight	Part no.	Type
2	2 - Moderate corrosion stress	1.2 Nm	131 g	**543821**	**CPE10-PRS-1/4-2**
3			179 g	**543822**	**CPE10-PRS-1/4-3**
4			227 g	**543823**	**CPE10-PRS-1/4-4**
5			275 g	**543824**	**CPE10-PRS-1/4-5**
6			323 g	**543825**	**CPE10-PRS-1/4-6**
7			371 g	**543826**	**CPE10-PRS-1/4-7**
8			419 g	**543827**	**CPE10-PRS-1/4-8**
9			467 g	**543828**	**CPE10-PRS-1/4-9**
10			515 g	**543829**	**CPE10-PRS-1/4-10**

1) More information www.festo.com/x/topic/kbk

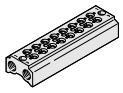
CPE10, manifold block for 3/2-way valves



Max. number of valve positions	Corrosion resistance class CRC [1]	Max. tightening torque for valve mounting	Product weight	Part no.	Type
2	2 - Moderate corrosion stress	1.2 Nm	128 g	**550550**	**CPE10-3/2-PRS-1/4-2**
3			164 g	**550551**	**CPE10-3/2-PRS-1/4-3**
4			201 g	**550552**	**CPE10-3/2-PRS-1/4-4**
5			237 g	**550553**	**CPE10-3/2-PRS-1/4-5**
6			274 g	**550554**	**CPE10-3/2-PRS-1/4-6**
7			310 g	**550555**	**CPE10-3/2-PRS-1/4-7**
8			347 g	**550556**	**CPE10-3/2-PRS-1/4-8**
9			383 g	**550557**	**CPE10-3/2-PRS-1/4-9**

Ordering data

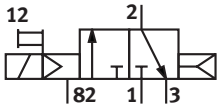
CPE10, manifold block for 3/2-way valves



Max. number of valve positions	Corrosion resistance class CRC [1]	Max. tightening torque for valve mounting	Product weight	Part no.	Type
10	2 - Moderate corrosion stress	1.2 Nm	420 g	**550558**	**CPE10-3/2-PRS-1/4-10**

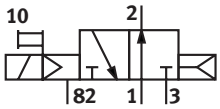
1) More information www.festo.com/x/topic/kbk

CPE14, 3/2-way valve, normally closed, internal pilot air supply



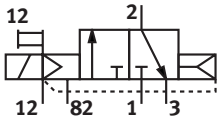
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	G1/8	60 g	900 l/min	**196929**	**CPE14-M1BH-3GL-1/8**
	QS-6		510 l/min	**196887**	**CPE14-M1BH-3GL-QS-6**
	QS-8		810 l/min	**196888**	**CPE14-M1BH-3GL-QS-8**
4-pin, M8x1	G1/8	60 g	900 l/min	**550247**	**CPE14-M1CH-3GL-1/8**

CPE14, 3/2-way valve, normally open, internal pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	G1/8	60 g	900 l/min	**196931**	**CPE14-M1BH-3OL-1/8**
	QS-6		510 l/min	**196891**	**CPE14-M1BH-3OL-QS-6**
	QS-8		810 l/min	**196892**	**CPE14-M1BH-3OL-QS-8**
4-pin, M8x1	G1/8	60 g	900 l/min	**550249**	**CPE14-M1CH-3OL-1/8**

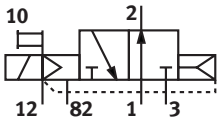
CPE14, 3/2-way valve, normally closed, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	G1/8	60 g	900 l/min	**196930**	**CPE14-M1BH-3GLS-1/8**
	QS-6		510 l/min	**196889**	**CPE14-M1BH-3GLS-QS-6**
	QS-8		810 l/min	**196890**	**CPE14-M1BH-3GLS-QS-8**
4-pin, M8x1	G1/8	60 g	900 l/min	**550248**	**CPE14-M1CH-3GLS-1/8**

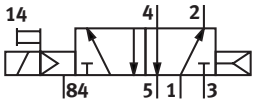
Ordering data

CPE14, 3/2-way valve, normally open, external pilot air supply



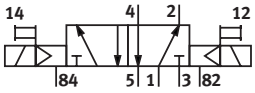
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	G1/8	60 g	900 l/min	**196932**	**CPE14-M1BH-3OLS-1/8**
	QS-6		510 l/min	**196893**	**CPE14-M1BH-3OLS-QS-6**
	QS-8		810 l/min	**196894**	**CPE14-M1BH-3OLS-QS-8**
4-pin, M8x1	G1/8	60 g	900 l/min	**550250**	**CPE14-M1CH-3OLS-1/8**

CPE14, 5/2-way single solenoid valve, internal pilot air supply



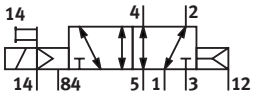
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	G1/8	95 g	800 l/min	**196941**	**CPE14-M1BH-5L-1/8**
	QS-6		400 l/min	**196911**	**CPE14-M1BH-5L-QS-6**
	QS-8		680 l/min	**196912**	**CPE14-M1BH-5L-QS-8**
4-pin, M8x1	G1/8	95 g	800 l/min	**550237**	**CPE14-M1CH-5L-1/8**

CPE14, 5/2 double pilot valve, internal pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	G1/8	115 g	800 l/min	**196939**	**CPE14-M1BH-5J-1/8**
	QS-6		400 l/min	**196907**	**CPE14-M1BH-5J-QS-6**
	QS-8		680 l/min	**196908**	**CPE14-M1BH-5J-QS-8**
4-pin, M8x1	G1/8	115 g	800 l/min	**550239**	**CPE14-M1CH-5J-1/8**

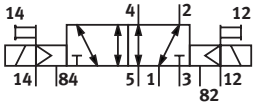
CPE14, 5/2-way single solenoid valve, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	G1/8	95 g	800 l/min	**196942**	**CPE14-M1BH-5LS-1/8**
	QS-6		400 l/min	**196913**	**CPE14-M1BH-5LS-QS-6**
	QS-8		680 l/min	**196914**	**CPE14-M1BH-5LS-QS-8**
4-pin, M8x1	G1/8	95 g	800 l/min	**550238**	**CPE14-M1CH-5LS-1/8**

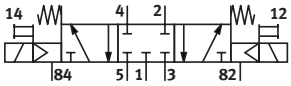
Ordering data

CPE14, 5/2 double pilot valve, external pilot air supply



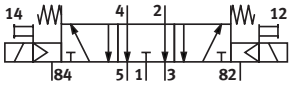
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	G1/8	115 g	800 l/min	**196940**	**CPE14-M1BH-5JS-1/8**
	QS-6		400 l/min	**196909**	**CPE14-M1BH-5JS-QS-6**
	QS-8		680 l/min	**196910**	**CPE14-M1BH-5JS-QS-8**
4-pin, M8x1	G1/8	115 g	800 l/min	**550240**	**CPE14-M1CH-5JS-1/8**

CPE14, 5/3 mid-position valve, normally closed, internal pilot air supply



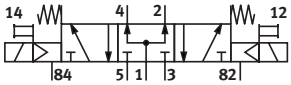
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	G1/8	120 g	750 l/min	**196937**	**CPE14-M1BH-5/3G-1/8**
	QS-6		410 l/min	**196903**	**CPE14-M1BH-5/3G-QS-6**
	QS-8		720 l/min	**196904**	**CPE14-M1BH-5/3G-QS-8**
4-pin, M8x1	G1/8	120 g	750 l/min	**550241**	**CPE14-M1CH-5/3G-1/8**

CPE14, 5/3 mid-position valve, normally exhausted, internal pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	G1/8	120 g	700 l/min	**196935**	**CPE14-M1BH-5/3E-1/8**
	QS-6		370 l/min	**196899**	**CPE14-M1BH-5/3E-QS-6**
	QS-8		570 l/min	**196900**	**CPE14-M1BH-5/3E-QS-8**
4-pin, M8x1	G1/8	120 g	700 l/min	**550243**	**CPE14-M1CH-5/3E-1/8**

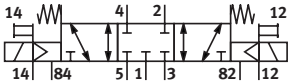
CPE14, 5/3 mid-position valve, normally open, internal pilot air supply



Pilot air supply	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Internal	G1/8	120 g	750 l/min	**196933**	**CPE14-M1BH-5/3B-1/8**
				550245	**CPE14-M1CH-5/3B-1/8**
	QS-6		370 l/min	**196895**	**CPE14-M1BH-5/3B-QS-6**
	QS-8		650 l/min	**196896**	**CPE14-M1BH-5/3B-QS-8**

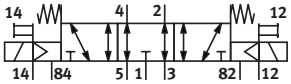
Ordering data

CPE14, 5/3 mid-position valve, normally closed, external pilot air supply



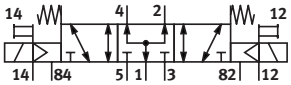
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	G1/8	120 g	750 l/min	**196938**	**CPE14-M1BH-5/3GS-1/8**
	QS-6		410 l/min	**196905**	**CPE14-M1BH-5/3GS-QS-6**
	QS-8		720 l/min	**196906**	**CPE14-M1BH-5/3GS-QS-8**
4-pin, M8x1	G1/8	120 g	750 l/min	**550242**	**CPE14-M1CH-5/3GS-1/8**

CPE14, 5/3 mid-position valve, normally exhausted, external pilot air supply



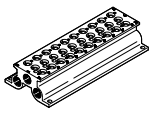
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	G1/8	120 g	700 l/min	**196936**	**CPE14-M1BH-5/3ES-1/8**
	QS-6		370 l/min	**196901**	**CPE14-M1BH-5/3ES-QS-6**
	QS-8		570 l/min	**196902**	**CPE14-M1BH-5/3ES-QS-8**
4-pin, M8x1	G1/8	120 g	700 l/min	**550244**	**CPE14-M1CH-5/3ES-1/8**

CPE14, 5/3 mid-position valve, normally open, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
2-pin	G1/8	120 g	750 l/min	**196934**	**CPE14-M1BH-5/3BS-1/8**
	QS-6		370 l/min	**196897**	**CPE14-M1BH-5/3BS-QS-6**
	QS-8		650 l/min	**196898**	**CPE14-M1BH-5/3BS-QS-8**
4-pin, M8x1	G1/8	120 g	750 l/min	**550246**	**CPE14-M1CH-5/3BS-1/8**

CPE14, manifold block for 5/2- and 5/3-way valves

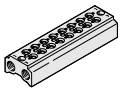


Max. number of valve positions	Corrosion resistance class CRC [1]	Max. tightening torque for valve mounting	Product weight	Part no.	Type
2	2 - Moderate corrosion stress	1.2 Nm	239 g	**543830**	**CPE14-PRS-3/8-2**
3			326 g	**543831**	**CPE14-PRS-3/8-3**
4			412 g	**543832**	**CPE14-PRS-3/8-4**
5			498 g	**543833**	**CPE14-PRS-3/8-5**
6			584 g	**543834**	**CPE14-PRS-3/8-6**
7			671 g	**543835**	**CPE14-PRS-3/8-7**
8			757 g	**543836**	**CPE14-PRS-3/8-8**
9			843 g	**543837**	**CPE14-PRS-3/8-9**
10			930 g	**543838**	**CPE14-PRS-3/8-10**

1) More information www.festo.com/x/topic/kbk

Ordering data

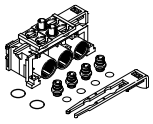
CPE14, manifold block for 3/2-way valves



Max. number of valve positions	Corrosion resistance class CRC [1]	Max. tightening torque for valve mounting	Product weight	Part no.	Type
2	2 - Moderate corrosion stress	1.2 Nm	176 g	**550559**	**CPE14-3/2-PRS-3/8-2**
3			228 g	**550560**	**CPE14-3/2-PRS-3/8-3**
4			280 g	**550561**	**CPE14-3/2-PRS-3/8-4**
5			332 g	**550562**	**CPE14-3/2-PRS-3/8-5**
6			384 g	**550563**	**CPE14-3/2-PRS-3/8-6**
7			436 g	**550564**	**CPE14-3/2-PRS-3/8-7**
8			488 g	**550565**	**CPE14-3/2-PRS-3/8-8**
9			540 g	**550566**	**CPE14-3/2-PRS-3/8-9**
10			592 g	**550567**	**CPE14-3/2-PRS-3/8-10**

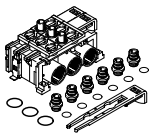
1) More information www.festo.com/x/topic/kbk

CPE14, manifold block PRSG for 2 valves



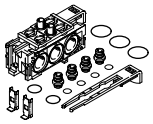
Pneumatic connection, port 1	Product weight	Part no.	Type
G3/8	950 g	**164965**	**CPE14-PRSG-2**
		187829	**CPE14-PRSGO-2**

CPE14, manifold block PRSG for 3 valves



Pneumatic connection, port 1	Product weight	Part no.	Type
G3/8	130 g	**187820**	**CPE14-PRSGO-3**
		187824	**CPE14-PRSG-3**

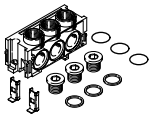
CPE14, manifold block PRSE for 2 valves



Product weight	Part no.	Type
85 g	**187830**	**CPE14-PRSEO-2**
	164967	**CPE14-PRSE-2**

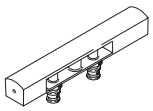
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CPE14, modular manifold, end plate for battery



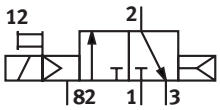
Pneumatic connection, port 1	Product weight	Part no.	Type
G3/8	80 g	**164969**	**CPE14-PRS-EP**

CPE14, modular manifold, cover plate for vacant position



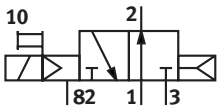
Product weight	Part no.	Type
15 g	**164968**	**CPE14-PRSB**

CPE18, 3/2-way valve, normally closed, internal pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G1/4	150 g	1,300 l/min	**163141**	**CPE18-M1H-3GL-1/4**
				163761	**CPE18-M2H-3GL-1/4**
				163785	**CPE18-M3H-3GL-1/4**
	QS-8		850 l/min	**163149**	**CPE18-M1H-3GL-QS-8**
				163793	**CPE18-M3H-3GL-QS-8**
				163769	**CPE18-M2H-3GL-QS-8**
	QS-10		1,000 l/min	**163801**	**CPE18-M3H-3GL-QS-10**
				163777	**CPE18-M2H-3GL-QS-10**
				163157	**CPE18-M1H-3GL-QS-10**

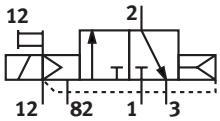
CPE18, 3/2-way valve, normally open, internal pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G1/4	150 g	1,700 l/min	**163760**	**CPE18-M2H-3OL-1/4**
				163784	**CPE18-M3H-3OL-1/4**
				163140	**CPE18-M1H-3OL-1/4**
	QS-8		850 l/min	**163792**	**CPE18-M3H-3OL-QS-8**
				163768	**CPE18-M2H-3OL-QS-8**
				163148	**CPE18-M1H-3OL-QS-8**
	QS-10		1,000 l/min	**163776**	**CPE18-M2H-3OL-QS-10**
				163800	**CPE18-M3H-3OL-QS-10**
				163156	**CPE18-M1H-3OL-QS-10**

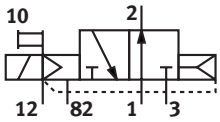
Ordering data

CPE18, 3/2-way valve, normally closed, external pilot air supply



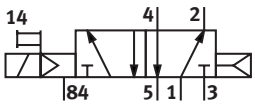
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G1/4	150 g	1,300 l/min	163145	CPE18-M1H-3GLS-1/4
				163765	CPE18-M2H-3GLS-1/4
				163789	CPE18-M3H-3GLS-1/4
	QS-8		850 l/min	163773	CPE18-M2H-3GLS-QS-8
				163797	CPE18-M3H-3GLS-QS-8
				163153	CPE18-M1H-3GLS-QS-8
	QS-10		1,000 l/min	163781	CPE18-M2H-3GLS-QS-10
				163805	CPE18-M3H-3GLS-QS-10
				163161	CPE18-M1H-3GLS-QS-10

CPE18, 3/2-way valve, normally open, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G1/4	150 g	1,700 l/min	163788	CPE18-M3H-3OLS-1/4
				163764	CPE18-M2H-3OLS-1/4
				163144	CPE18-M1H-3OLS-1/4
	QS-8		850 l/min	163772	CPE18-M2H-3OLS-QS-8
				163152	CPE18-M1H-3OLS-QS-8
				163796	CPE18-M3H-3OLS-QS-8
	QS-10		1,000 l/min	163804	CPE18-M3H-3OLS-QS-10
				163780	CPE18-M2H-3OLS-QS-10
				163160	CPE18-M1H-3OLS-QS-10

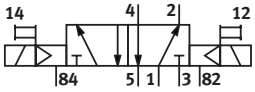
CPE18, 5/2-way single solenoid valve, internal pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G1/4	220 g	1,500 l/min	163142	CPE18-M1H-5L-1/4
				163786	CPE18-M3H-5L-1/4
				163762	CPE18-M2H-5L-1/4
	QS-8		850 l/min	163150	CPE18-M1H-5L-QS-8
				163794	CPE18-M3H-5L-QS-8
				163770	CPE18-M2H-5L-QS-8
	QS-10		1,000 l/min	163158	CPE18-M1H-5L-QS-10
				163778	CPE18-M2H-5L-QS-10
				163802	CPE18-M3H-5L-QS-10

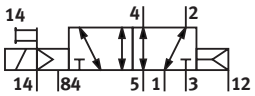
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CPE18, 5/2 double pilot valve, internal pilot air supply



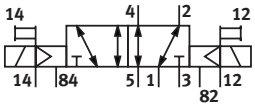
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G1/4	270 g	1,500 l/min	**163787**	**CPE18-M3H-5J-1/4**
				163763	**CPE18-M2H-5J-1/4**
				163143	**CPE18-M1H-5J-1/4**
	QS-8		850 l/min	**163151**	**CPE18-M1H-5J-QS-8**
				163795	**CPE18-M3H-5J-QS-8**
				163771	**CPE18-M2H-5J-QS-8**
	QS-10		1,000 l/min	**163159**	**CPE18-M1H-5J-QS-10**
				163779	**CPE18-M2H-5J-QS-10**
				163803	**CPE18-M3H-5J-QS-10**

CPE18, 5/2-way single solenoid valve, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G1/4	220 g	1,500 l/min	**163146**	**CPE18-M1H-5LS-1/4**
				163790	**CPE18-M3H-5LS-1/4**
				163766	**CPE18-M2H-5LS-1/4**
	QS-8		850 l/min	**163154**	**CPE18-M1H-5LS-QS-8**
				163798	**CPE18-M3H-5LS-QS-8**
				163774	**CPE18-M2H-5LS-QS-8**
	QS-10		1,000 l/min	**163806**	**CPE18-M3H-5LS-QS-10**
				163162	**CPE18-M1H-5LS-QS-10**
				163782	**CPE18-M2H-5LS-QS-10**

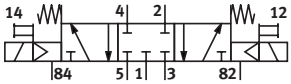
CPE18, 5/2 double pilot valve, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G1/4	270 g	1,500 l/min	**163147**	**CPE18-M1H-5JS-1/4**
				163791	**CPE18-M3H-5JS-1/4**
				163767	**CPE18-M2H-5JS-1/4**
	QS-8		850 l/min	**163775**	**CPE18-M2H-5JS-QS-8**
				163155	**CPE18-M1H-5JS-QS-8**
				163799	**CPE18-M3H-5JS-QS-8**
	QS-10		1,000 l/min	**163783**	**CPE18-M2H-5JS-QS-10**
				163163	**CPE18-M1H-5JS-QS-10**
				163807	**CPE18-M3H-5JS-QS-10**

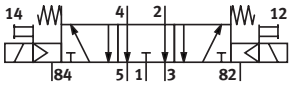
Ordering data

CPE18, 5/3 mid-position valve, normally closed, internal pilot air supply



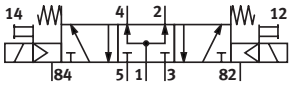
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G1/4	280 g	1,450 l/min	170319	CPE18-M3H-5/3G-1/4
				170247	CPE18-M1H-5/3G-1/4
				170283	CPE18-M2H-5/3G-1/4
	QS-8		850 l/min	170289	CPE18-M2H-5/3G-QS-8
				170325	CPE18-M3H-5/3G-QS-8
				170253	CPE18-M1H-5/3G-QS-8
	QS-10		1,050 l/min	170331	CPE18-M3H-5/3G-QS-10
				170295	CPE18-M2H-5/3G-QS-10
				170259	CPE18-M1H-5/3G-QS-10

CPE18, 5/3 mid-position valve, normally exhausted, internal pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G1/4	280 g	1,200 l/min	170285	CPE18-M2H-5/3E-1/4
				170249	CPE18-M1H-5/3E-1/4
				170321	CPE18-M3H-5/3E-1/4
	QS-8		780 l/min	170255	CPE18-M1H-5/3E-QS-8
				170291	CPE18-M2H-5/3E-QS-8
				170327	CPE18-M3H-5/3E-QS-8
	QS-10		1,000 l/min	170297	CPE18-M2H-5/3E-QS-10
				170333	CPE18-M3H-5/3E-QS-10
				170261	CPE18-M1H-5/3E-QS-10

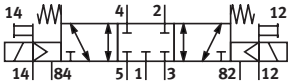
CPE18, 5/3 mid-position valve, normally open, internal pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G1/4	280 g	1,300 l/min	170251	CPE18-M1H-5/3B-1/4
				170323	CPE18-M3H-5/3B-1/4
				170287	CPE18-M2H-5/3B-1/4
	QS-8		780 l/min	170329	CPE18-M3H-5/3B-QS-8
				170257	CPE18-M1H-5/3B-QS-8
				170293	CPE18-M2H-5/3B-QS-8
	QS-10		1,000 l/min	170263	CPE18-M1H-5/3B-QS-10
				170299	CPE18-M2H-5/3B-QS-10
				170335	CPE18-M3H-5/3B-QS-10

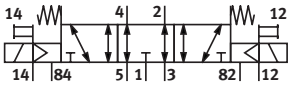
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CPE18, 5/3 mid-position valve, normally closed, external pilot air supply



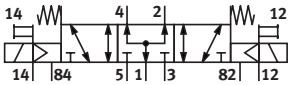
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G1/4	280 g	1,450 l/min	170248	CPE18-M1H-5/3GS-1/4
				170320	CPE18-M3H-5/3GS-1/4
				170284	CPE18-M2H-5/3GS-1/4
	QS-8		850 l/min	170290	CPE18-M2H-5/3GS-QS-8
				170326	CPE18-M3H-5/3GS-QS-8
				170254	CPE18-M1H-5/3GS-QS-8
	QS-10		1,050 l/min	170296	CPE18-M2H-5/3GS-QS-10
				170260	CPE18-M1H-5/3GS-QS-10
				170332	CPE18-M3H-5/3GS-QS-10

CPE18, 5/3 mid-position valve, normally exhausted, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G1/4	280 g	1,200 l/min	170250	CPE18-M1H-5/3ES-1/4
				170286	CPE18-M2H-5/3ES-1/4
				170322	CPE18-M3H-5/3ES-1/4
	QS-8		780 l/min	170292	CPE18-M2H-5/3ES-QS-8
				170256	CPE18-M1H-5/3ES-QS-8
				170328	CPE18-M3H-5/3ES-QS-8
	QS-10		1,000 l/min	170334	CPE18-M3H-5/3ES-QS-10
				170262	CPE18-M1H-5/3ES-QS-10
				170298	CPE18-M2H-5/3ES-QS-10

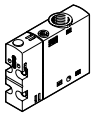
CPE18, 5/3 mid-position valve, normally open, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G1/4	280 g	1,300 l/min	170252	CPE18-M1H-5/3BS-1/4
				170288	CPE18-M2H-5/3BS-1/4
				170324	CPE18-M3H-5/3BS-1/4
	QS-8		780 l/min	170330	CPE18-M3H-5/3BS-QS-8
				170258	CPE18-M1H-5/3BS-QS-8
				170294	CPE18-M2H-5/3BS-QS-8
	QS-10		1,000 l/min	170300	CPE18-M2H-5/3BS-QS-10
				170336	CPE18-M3H-5/3BS-QS-10
				170264	CPE18-M1H-5/3BS-QS-10

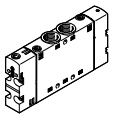
Ordering data

CPE18, 3/2-way valve without pilot valves



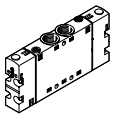
Valve function	Pilot air supply	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
3/2-way, single solenoid, closed	External	110 g	1,300 l/min	**550164**	**CPE18-P1-3GLS-1/4**
	Internal			**550163**	**CPE18-P1-3GL-1/4**
3/2-way, single solenoid, open	External		1,700 l/min	**550166**	**CPE18-P1-3OLS-1/4**
	Internal			**550165**	**CPE18-P1-3OL-1/4**

CPE18, 5/2-way single solenoid valve without pilot valve



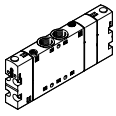
Valve function	Pilot air supply	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
5/2-way, single solenoid	External	180 g	1,500 l/min	**550154**	**CPE18-P1-5LS-1/4**
	Internal			**550153**	**CPE18-P1-5L-1/4**

CPE18, 5/2 double pilot valve without pilot valve



Valve function	Pilot air supply	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
5/2-way, double solenoid	External	190 g	1,500 l/min	**550156**	**CPE18-P1-5JS-1/4**
	Internal			**550155**	**CPE18-P1-5J-1/4**

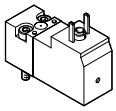
CPE18, 5/3 mid-position valve, single solenoid, without pilot valve



Valve function	Pilot air supply	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
5/3-way, pressurised	External	200 g	1,300 l/min	**550162**	**CPE18-P1-5/3BS-1/4**
	Internal			**550161**	**CPE18-P1-5/3B-1/4**
5/3 exhausted	External		1,200 l/min	**550160**	**CPE18-P1-5/3ES-1/4**
	Internal			**550159**	**CPE18-P1-5/3E-1/4**
5/3-way, closed	External		1,450 l/min	**550158**	**CPE18-P1-5/3GS-1/4**
	Internal			**550157**	**CPE18-P1-5/3G-1/4**

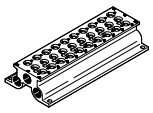
Ordering data

CPE18, pilot valve according to ISO 15218



Electrical connection	Characteristic coil data	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C, To DIN EN 175301-803	110 V AC: 50/60 Hz, pick-up power 2.9 VA, holding power 2.1 VA	18 l/min	**546259**	**VSCS-B-M32-MH-WA-2AC1**
	12 V DC: 1.8 W		**546257**	**VSCS-B-M32-MH-WA-5C1**
	230 V AC: 50/60 Hz, pick-up power 2.9 VA, holding power 2.1 VA		**546260**	**VSCS-B-M32-MH-WA-3AC1**
	24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA		**546258**	**VSCS-B-M32-MH-WA-1AC1**
	24 V DC: 1.8 W		**546256**	**VSCS-B-M32-MH-WA-1C1**

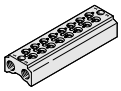
CPE18, manifold block for 5/2- and 5/3-way valves



Max. number of valve positions	Corrosion resistance class CRC [1]	Max. tightening torque for valve mounting	Product weight	Part no.	Type
2	2 - Moderate corrosion stress	2 Nm	353 g	**543839**	**CPE18-PRS-3/8-2**
3			482 g	**543840**	**CPE18-PRS-3/8-3**
4			611 g	**543841**	**CPE18-PRS-3/8-4**
5			740 g	**543842**	**CPE18-PRS-3/8-5**
6			870 g	**543843**	**CPE18-PRS-3/8-6**
7			999 g	**543844**	**CPE18-PRS-3/8-7**
8			1,128 g	**543845**	**CPE18-PRS-3/8-8**
9			1,257 g	**543846**	**CPE18-PRS-3/8-9**
10			1,386 g	**543847**	**CPE18-PRS-3/8-10**

1) More information www.festo.com/x/topic/kbk

CPE18, manifold block for 3/2-way valves

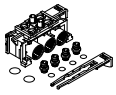


Max. number of valve positions	Corrosion resistance class CRC [1]	Max. tightening torque for valve mounting	Product weight	Part no.	Type
2	2 - Moderate corrosion stress	2 Nm	266 g	**550568**	**CPE18-3/2-PRS-3/8-2**
3			346 g	**550569**	**CPE18-3/2-PRS-3/8-3**
4			426 g	**550570**	**CPE18-3/2-PRS-3/8-4**
5			507 g	**550571**	**CPE18-3/2-PRS-3/8-5**
6			587 g	**550572**	**CPE18-3/2-PRS-3/8-6**
7			667 g	**550573**	**CPE18-3/2-PRS-3/8-7**
8			748 g	**550574**	**CPE18-3/2-PRS-3/8-8**
9			828 g	**550575**	**CPE18-3/2-PRS-3/8-9**
10			908 g	**550576**	**CPE18-3/2-PRS-3/8-10**

1) More information www.festo.com/x/topic/kbk

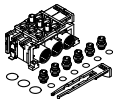
Ordering data

CPE18, manifold block PRSG for 2 valves



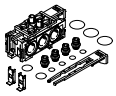
Pneumatic connection, port 1	Pneumatic connection, port 3	Pneumatic connection, port 5	Product weight	Part no.	Type
G1/2			170 g	**164970**	**CPE18-PRSG-2**
				187831	**CPE18-PRSGO-2**

CPE18, manifold block PRSG for 3 valves



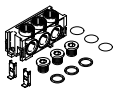
Pneumatic connection, port 1	Pneumatic connection, port 3	Pneumatic connection, port 5	Product weight	Part no.	Type
G1/2			225 g	**187821**	**CPE18-PRSGO-3**
				187825	**CPE18-PRSG-3**

CPE18, manifold block PRSE for 2 valves



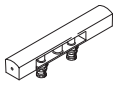
Product weight	Part no.	Type
145 g	**187832**	**CPE18-PRSEO-2**
	164972	**CPE18-PRSE-2**

CPE18, modular manifold, end plate for battery



Pneumatic connection, port 1	Pneumatic connection, port 3	Pneumatic connection, port 5	Product weight	Part no.	Type
G1/2			125 g	**164973**	**CPE18-PRS-EP**

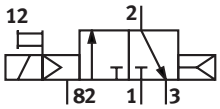
CPE18, modular manifold, cover plate for vacant position



Product weight	Part no.	Type
28 g	**164974**	**CPE18-PRSB**

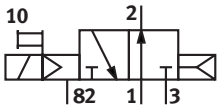
Ordering data

CPE24, 3/2-way valve, normally closed, internal pilot air supply



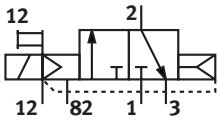
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G3/8	220 g	2,500 l/min	163809	CPE24-M2H-3GL-3/8
				163165	CPE24-M1H-3GL-3/8
				163833	CPE24-M3H-3GL-3/8
	QS-10		1,250 l/min	163841	CPE24-M3H-3GL-QS-10
				163173	CPE24-M1H-3GL-QS-10
				163817	CPE24-M2H-3GL-QS-10
	QS-12		1,650 l/min	163849	CPE24-M3H-3GL-QS-12
				163825	CPE24-M2H-3GL-QS-12
				163181	CPE24-M1H-3GL-QS-12

CPE24, 3/2-way valve, normally open, internal pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G3/8	220 g	3,000 l/min	163164	CPE24-M1H-3OL-3/8
				163832	CPE24-M3H-3OL-3/8
				163808	CPE24-M2H-3OL-3/8
	QS-10		1,250 l/min	163816	CPE24-M2H-3OL-QS-10
				163840	CPE24-M3H-3OL-QS-10
				163172	CPE24-M1H-3OL-QS-10
	QS-12		1,650 l/min	163848	CPE24-M3H-3OL-QS-12
				163824	CPE24-M2H-3OL-QS-12
				163180	CPE24-M1H-3OL-QS-12

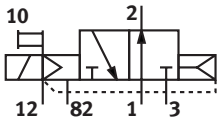
CPE24, 3/2-way valve, normally closed, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G3/8	220 g	2,500 l/min	163169	CPE24-M1H-3GLS-3/8
				163813	CPE24-M2H-3GLS-3/8
				163837	CPE24-M3H-3GLS-3/8
	QS-10		1,250 l/min	163821	CPE24-M2H-3GLS-QS-10
				163177	CPE24-M1H-3GLS-QS-10
				163845	CPE24-M3H-3GLS-QS-10
	QS-12		1,650 l/min	163829	CPE24-M2H-3GLS-QS-12
				163853	CPE24-M3H-3GLS-QS-12
				163185	CPE24-M1H-3GLS-QS-12

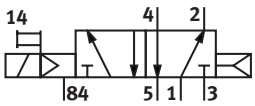
Ordering data

CPE24, 3/2-way valve, normally open, external pilot air supply



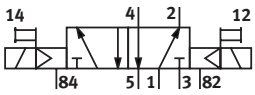
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G3/8	220 g	3,000 l/min	**163836**	**CPE24-M3H-3OLS-3/8**
				163812	**CPE24-M2H-3OLS-3/8**
				163168	**CPE24-M1H-3OLS-3/8**
	QS-10		1,250 l/min	**163176**	**CPE24-M1H-3OLS-QS-10**
				163820	**CPE24-M2H-3OLS-QS-10**
				163844	**CPE24-M3H-3OLS-QS-10**
	QS-12		1,650 l/min	**163184**	**CPE24-M1H-3OLS-QS-12**
				163828	**CPE24-M2H-3OLS-QS-12**
				163852	**CPE24-M3H-3OLS-QS-12**

CPE24, 5/2-way single solenoid valve, internal pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G3/8	360 g	2,900 l/min	**163166**	**CPE24-M1H-5L-3/8**
				163810	**CPE24-M2H-5L-3/8**
				163834	**CPE24-M3H-5L-3/8**
	QS-10		1,250 l/min	**163174**	**CPE24-M1H-5L-QS-10**
				163842	**CPE24-M3H-5L-QS-10**
				163818	**CPE24-M2H-5L-QS-10**
	QS-12		1,650 l/min	**163826**	**CPE24-M2H-5L-QS-12**
				163850	**CPE24-M3H-5L-QS-12**
				163182	**CPE24-M1H-5L-QS-12**

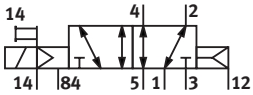
CPE24, 5/2 double pilot valve, internal pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G3/8	390 g	3,200 l/min	**163811**	**CPE24-M2H-5J-3/8**
				163835	**CPE24-M3H-5J-3/8**
				163167	**CPE24-M1H-5J-3/8**
	QS-10		1,250 l/min	**163819**	**CPE24-M2H-5J-QS-10**
				163843	**CPE24-M3H-5J-QS-10**
				163175	**CPE24-M1H-5J-QS-10**
	QS-12		1,650 l/min	**163827**	**CPE24-M2H-5J-QS-12**
				163183	**CPE24-M1H-5J-QS-12**
				163851	**CPE24-M3H-5J-QS-12**

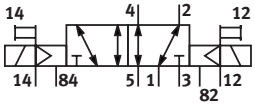
Ordering data

CPE24, 5/2-way single solenoid valve, external pilot air supply



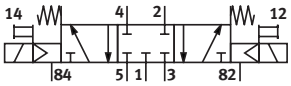
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G3/8	360 g	2,900 l/min	**163170**	**CPE24-M1H-5LS-3/8**
				163814	**CPE24-M2H-5LS-3/8**
				163838	**CPE24-M3H-5LS-3/8**
	QS-10		1,250 l/min	**163822**	**CPE24-M2H-5LS-QS-10**
				163846	**CPE24-M3H-5LS-QS-10**
				163178	**CPE24-M1H-5LS-QS-10**
	QS-12		1,650 l/min	**163186**	**CPE24-M1H-5LS-QS-12**
				163854	**CPE24-M3H-5LS-QS-12**
				163830	**CPE24-M2H-5LS-QS-12**

CPE24, 5/2 double pilot valve, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G3/8	390 g	3,200 l/min	**163839**	**CPE24-M3H-5JS-3/8**
				163815	**CPE24-M2H-5JS-3/8**
				163171	**CPE24-M1H-5JS-3/8**
	QS-10		1,250 l/min	**163847**	**CPE24-M3H-5JS-QS-10**
				163823	**CPE24-M2H-5JS-QS-10**
				163179	**CPE24-M1H-5JS-QS-10**
	QS-12		1,650 l/min	**163855**	**CPE24-M3H-5JS-QS-12**
				163831	**CPE24-M2H-5JS-QS-12**
				163187	**CPE24-M1H-5JS-QS-12**

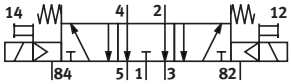
CPE24, 5/3 mid-position valve, normally closed, internal pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G3/8	430 g	3,000 l/min	**170265**	**CPE24-M1H-5/3G-3/8**
				170301	**CPE24-M2H-5/3G-3/8**
				170337	**CPE24-M3H-5/3G-3/8**
	QS-10		1,250 l/min	**170343**	**CPE24-M3H-5/3G-QS-10**
				170307	**CPE24-M2H-5/3G-QS-10**
				170271	**CPE24-M1H-5/3G-QS-10**
	QS-12		1,650 l/min	**170277**	**CPE24-M1H-5/3G-QS-12**
				170349	**CPE24-M3H-5/3G-QS-12**
				170313	**CPE24-M2H-5/3G-QS-12**

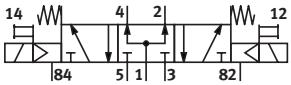
Ordering data

CPE24, 5/3 mid-position valve, normally exhausted, internal pilot air supply



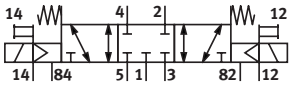
Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G3/8	430 g	2,650 l/min	**170267**	**CPE24-M1H-5/3E-3/8**
				170339	**CPE24-M3H-5/3E-3/8**
				170303	**CPE24-M2H-5/3E-3/8**
	QS-10		1,250 l/min	**170273**	**CPE24-M1H-5/3E-QS-10**
				170345	**CPE24-M3H-5/3E-QS-10**
				170309	**CPE24-M2H-5/3E-QS-10**
	QS-12		1,600 l/min	**170315**	**CPE24-M2H-5/3E-QS-12**
				170351	**CPE24-M3H-5/3E-QS-12**
				170279	**CPE24-M1H-5/3E-QS-12**

CPE24, 5/3 mid-position valve, normally open, internal pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G3/8	430 g	2,600 l/min	**170305**	**CPE24-M2H-5/3B-3/8**
				170341	**CPE24-M3H-5/3B-3/8**
				170269	**CPE24-M1H-5/3B-3/8**
	QS-10		1,250 l/min	**170311**	**CPE24-M2H-5/3B-QS-10**
				170275	**CPE24-M1H-5/3B-QS-10**
				170347	**CPE24-M3H-5/3B-QS-10**
	QS-12		1,600 l/min	**170353**	**CPE24-M3H-5/3B-QS-12**
				170317	**CPE24-M2H-5/3B-QS-12**
				170281	**CPE24-M1H-5/3B-QS-12**

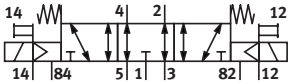
CPE24, 5/3 mid-position valve, normally closed, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G3/8	430 g	3,000 l/min	**170302**	**CPE24-M2H-5/3GS-3/8**
				170266	**CPE24-M1H-5/3GS-3/8**
				170338	**CPE24-M3H-5/3GS-3/8**
	QS-10		1,250 l/min	**170344**	**CPE24-M3H-5/3GS-QS-10**
				170272	**CPE24-M1H-5/3GS-QS-10**
				170308	**CPE24-M2H-5/3GS-QS-10**
	QS-12		1,650 l/min	**170278**	**CPE24-M1H-5/3GS-QS-12**
				170350	**CPE24-M3H-5/3GS-QS-12**
				170314	**CPE24-M2H-5/3GS-QS-12**

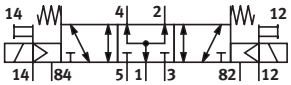
Ordering data

CPE24, 5/3 mid-position valve, normally exhausted, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G3/8	430 g	2,650 l/min	**170340**	**CPE24-M3H-5/3ES-3/8**
				170304	**CPE24-M2H-5/3ES-3/8**
				170268	**CPE24-M1H-5/3ES-3/8**
	QS-10		1,250 l/min	**170346**	**CPE24-M3H-5/3ES-QS-10**
				170310	**CPE24-M2H-5/3ES-QS-10**
				170274	**CPE24-M1H-5/3ES-QS-10**
	QS-12		1,600 l/min	**170280**	**CPE24-M1H-5/3ES-QS-12**
				170316	**CPE24-M2H-5/3ES-QS-12**
				170352	**CPE24-M3H-5/3ES-QS-12**

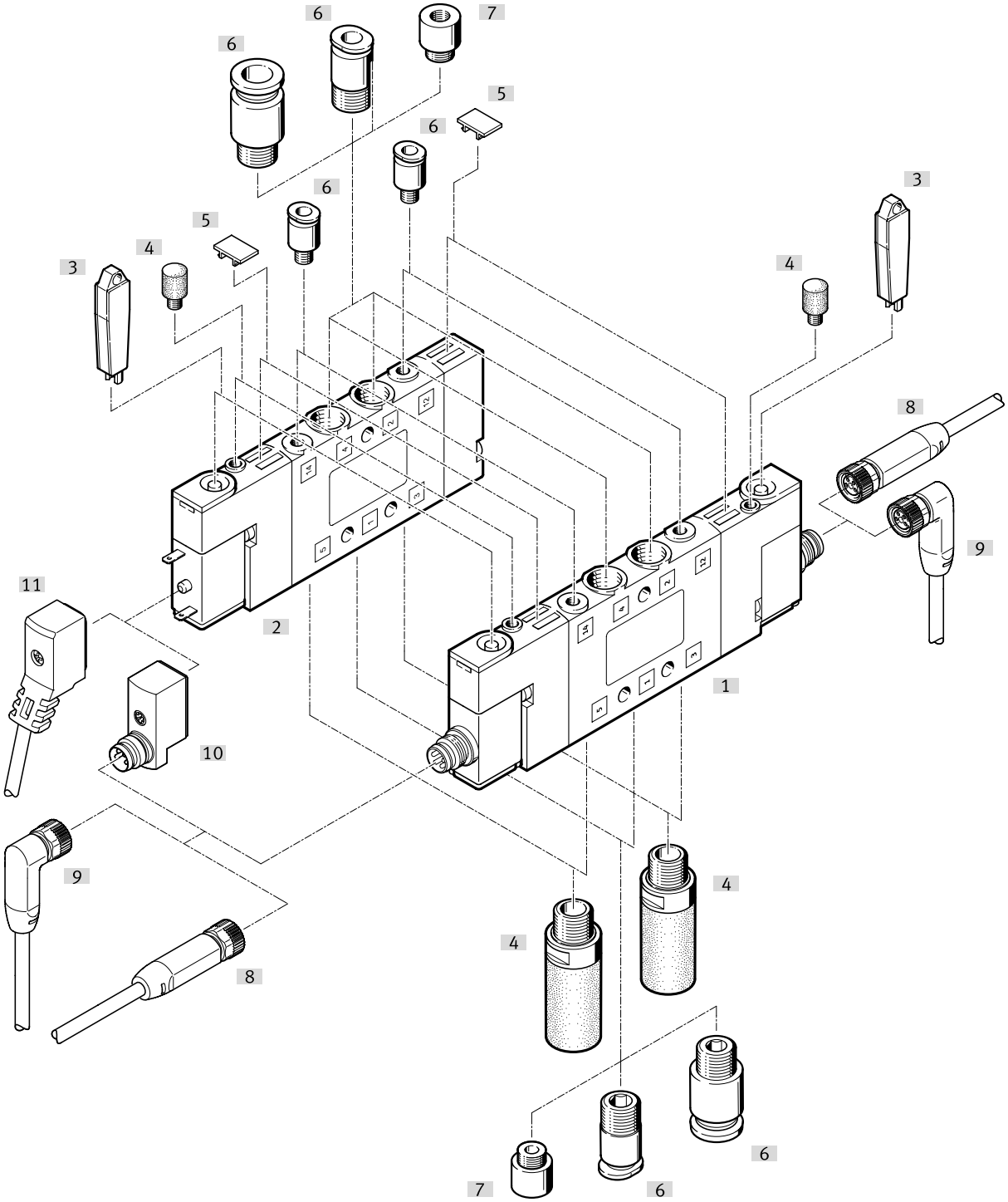
CPE24, 5/3 mid-position valve, normally open, external pilot air supply



Electrical connection	Pneumatic connection, port 1	Product weight	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
Type C	G3/8	430 g	2,600 l/min	**170306**	**CPE24-M2H-5/3BS-3/8**
				170342	**CPE24-M3H-5/3BS-3/8**
				170270	**CPE24-M1H-5/3BS-3/8**
	QS-10		1,250 l/min	**170276**	**CPE24-M1H-5/3BS-QS-10**
				170312	**CPE24-M2H-5/3BS-QS-10**
				170348	**CPE24-M3H-5/3BS-QS-10**
	QS-12		1,600 l/min	**170354**	**CPE24-M3H-5/3BS-QS-12**
				170282	**CPE24-M1H-5/3BS-QS-12**
				170318	**CPE24-M2H-5/3BS-QS-12**

Peripherals

Individual valve – CPE10 and CPE14



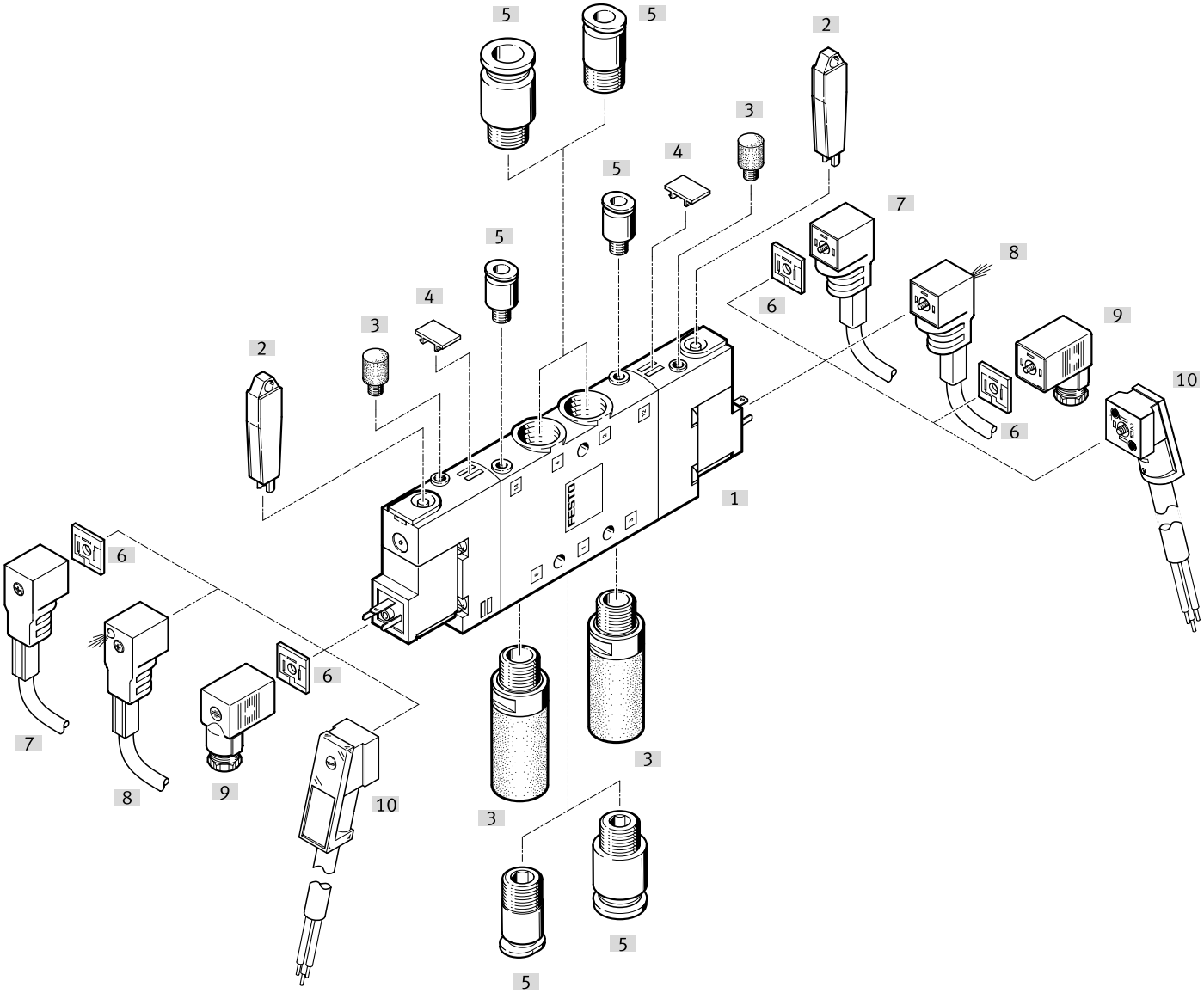
Accessories			→ Link
	Type/order code	Description	
[1]	Solenoid valve CPE10 and CPE14	–	cpe
[2]	Solenoid valve CPE10 and CPE14	–	cpe
[3]	Manual override tool AHB	–	78
[4]	Silencer UC	For connection 3, 5, 82 or 84	78
[5]	Inscription label IBS-6x10	–	78
[6]	Push-in fittings QS	For barbed tubing connectors	qs
[7]	Reducer M7 on M5	Included in the scope of delivery	–
[8]	Connecting cable NEBA-M8G	Socket M8x1, straight	75
[9]	Connecting cable NEBA-M8W	Socket M8x1, angled	75

Peripherals

Accessories			→ Link
	Type/order code	Description	
[10]	Adapter VAVE-C8	Plug pattern ZC to M8, with signal status display	75
[11]	Connecting cable NEBV-Z4	Plug pattern ZC with holding current reduction, protective circuit, signal status display	74

Peripherals

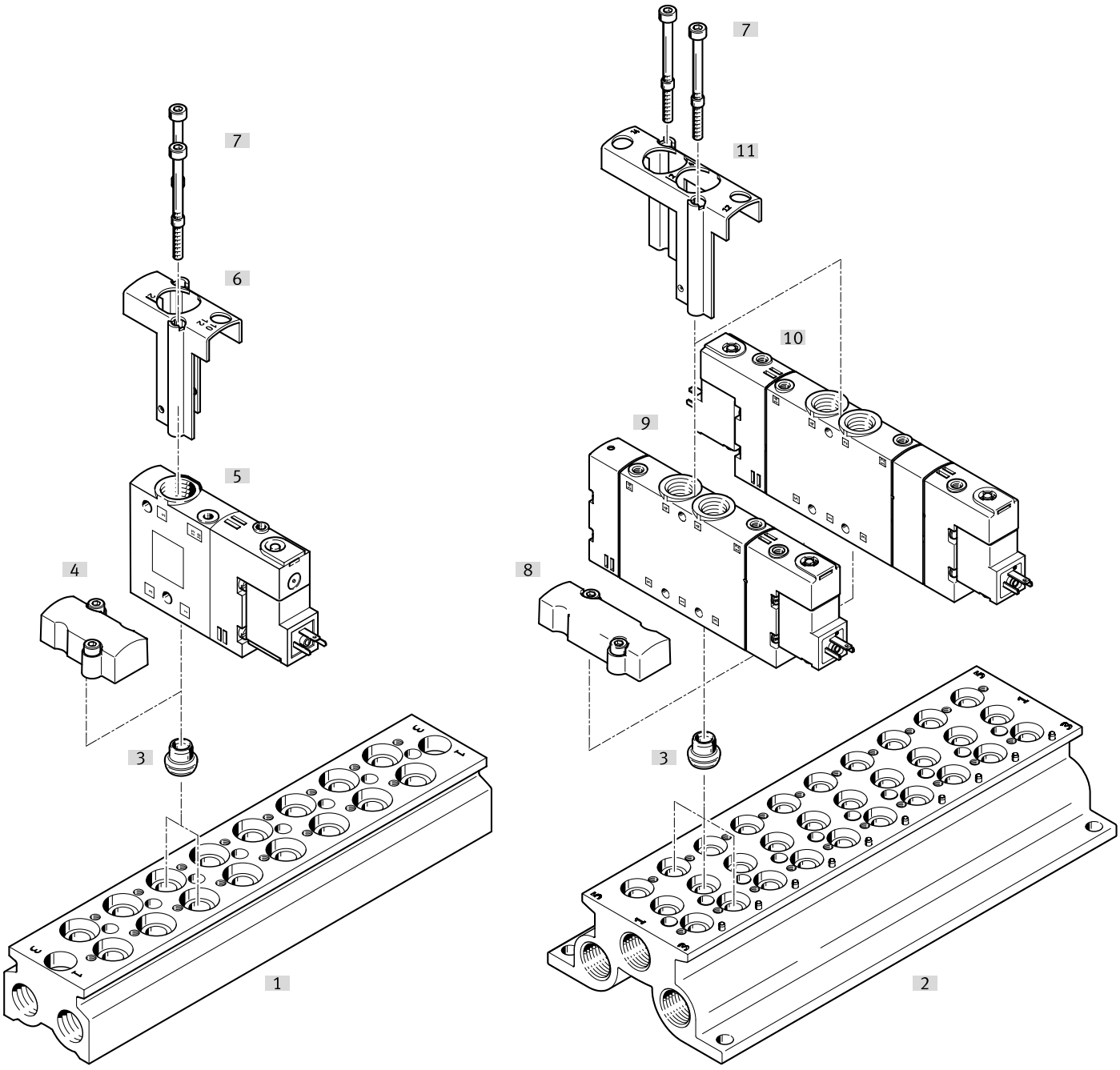
Individual valve – CPE18 and CPE24



Accessories			→ Link
	Type/order code	Description	
[1]	Solenoid valve CPE18 and CPE24		cpe
[2]	Manual override tool AHB		78
[3]	Silencer UC	For connection 3, 5, 82 or 84	78
[4]	Inscription label IBS-6x10	–	78
[5]	Push-in fittings QS	For barbed tubing connectors	qs
[6]	Illuminating seal MEB-LD	For 0 ... 230 V AC	77
[7]	Plug socket with cable KMEB-1...	Cable sheath PVC, up to 240 V, without signal status display	77
[8]	Plug socket with cable KMEB-1...	Cable sheath PVC, 24 V DC, with signal status display	77
[9]	Plug socket MSSD-EB...	Without signal status display	77
[10]	Plug socket with cable KMEB-2...	Cable sheath PUR	77

Peripherals

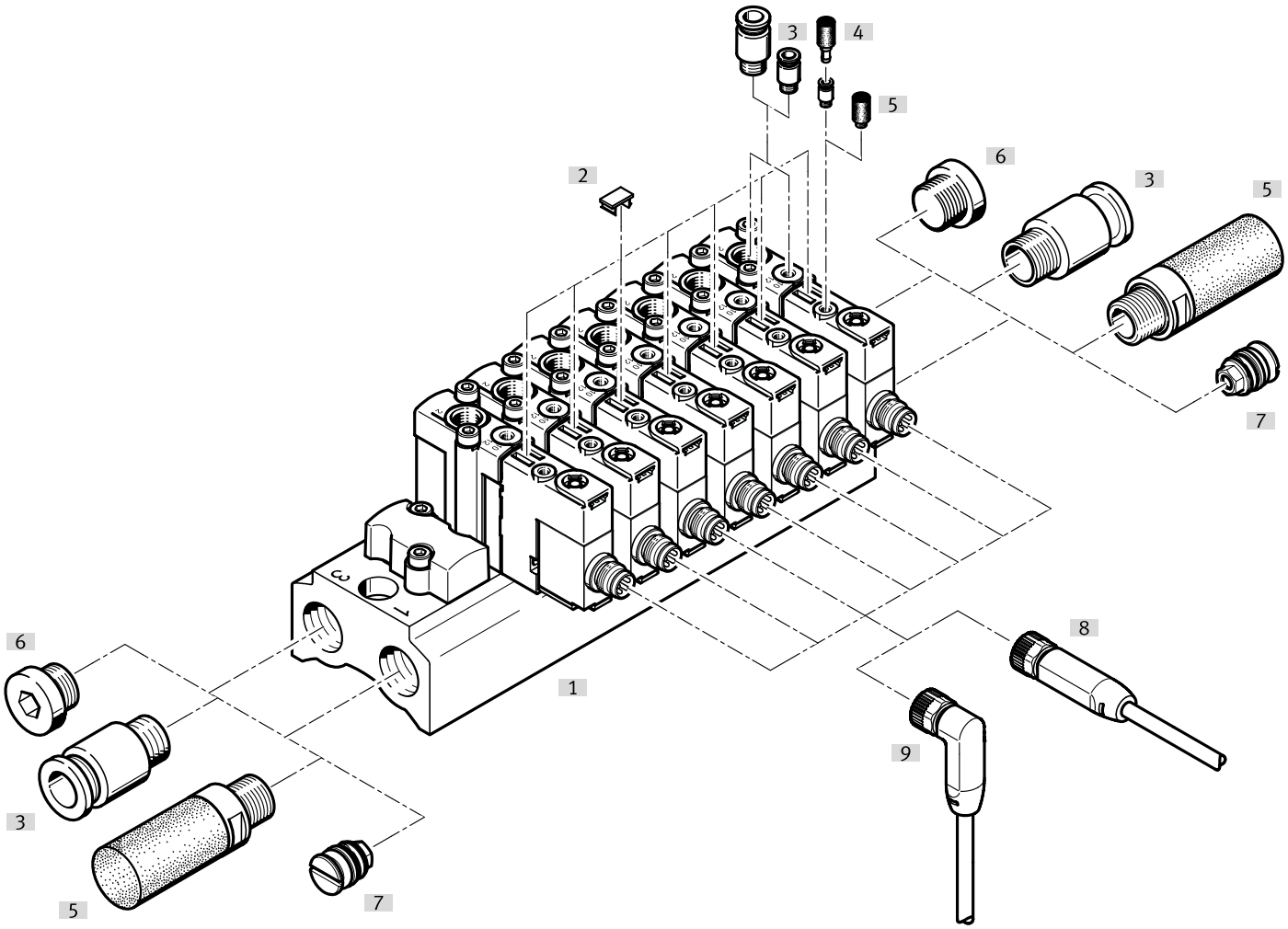
Fixed-grid manifold assembly



Accessories			→ Link
	Type/order code	Description	
[1]	Manifold block CPE18-3/2-PRS	For 3/2-way valves	cpe
[2]	Manifold block CPE18-PRS...	For 5/2- and 5/3-way valves	cpe
[3]	Seal CPV18-VI-P.1/4-150	–	–
[4]	Cover plate CPE18-RP3	For mounting on vacant positions for 3/2-way valves	76
[5]	3/2-way valve CPE18...	–	cpe
[6]	Retainer CPE18-H3-50	Retainer for 3/2-way valve	76
[7]	Screw M4X65-8.8-VS-100	–	76
[8]	Cover plate CPE18-RP	For mounting on vacant positions for 5/2- and 5/3-way valves	75
[9]	5/2-way valve CPE18...	–	cpe
[10]	5/3-way valve CPE18...	–	cpe
[11]	Retainer CPE18-H5-50	Retainer bracket for 5/2- and 5/3-way valve	75

Peripherals

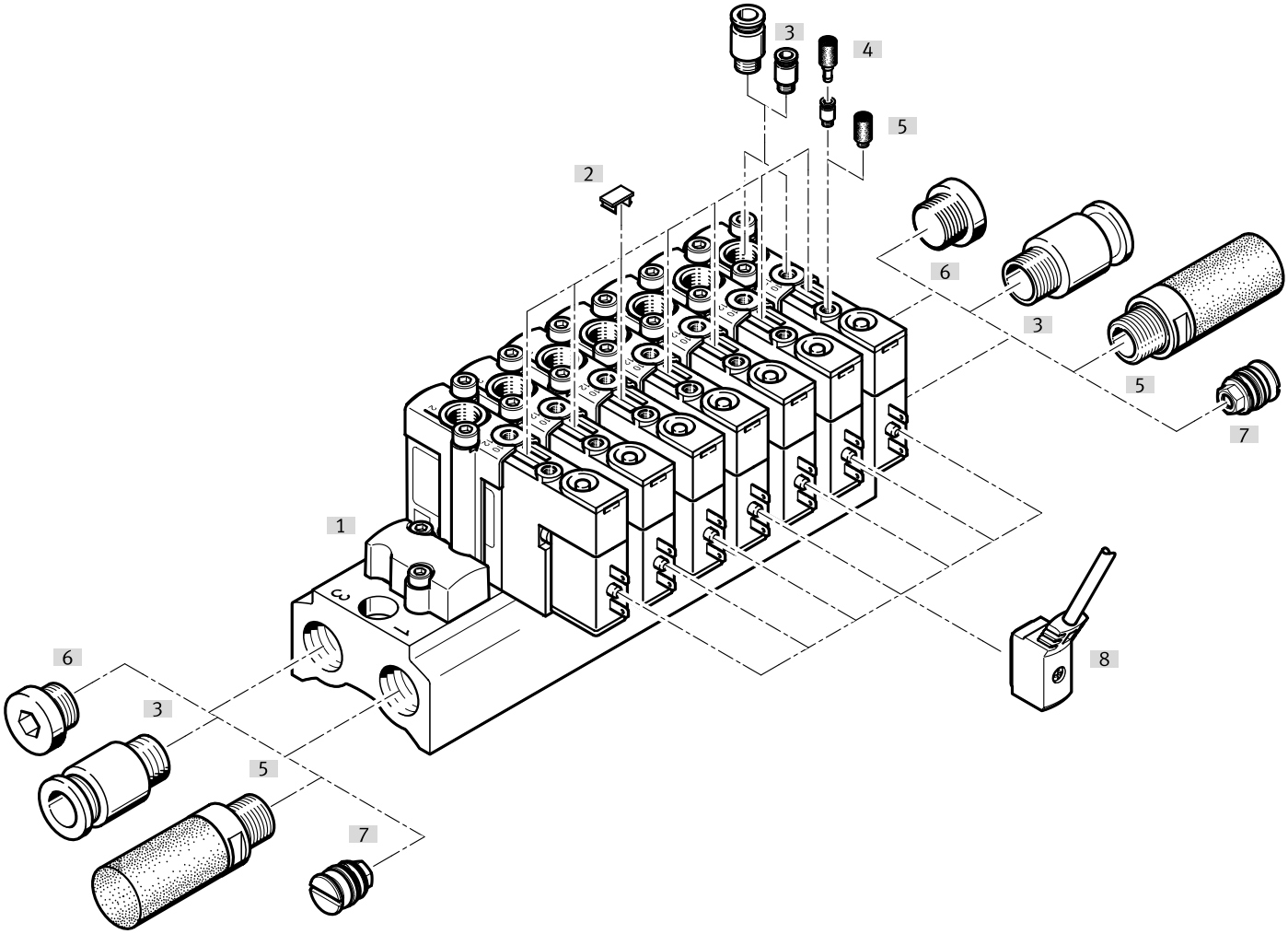
Accessories – Fixed-grid manifold assembly CPE10 and CPE14



Accessories			➔ Link
	Type/order code	Description	
[1]	Solenoid valve CPE10 and CPE14	–	cpe
[2]	Inscription label IBS-6x10	–	78
[3]	Push-in fittings QS	For barbed tubing connectors	qs
[4]	Reducer M7 on M5	Included in the scope of delivery	–
[5]	Silencer UC	For connection 3, 5, 82 or 84	78
[6]	Blanking plug B	–	78
[7]	Separator VABD..., PRSV...	For mounting on a manifold block	78
[8]	Connecting cables NEBA-M8W...	Socket M8x1, angled	neba
[9]	Connecting cables NEBA-M8G...	Socket M8x1, straight	neba

Peripherals

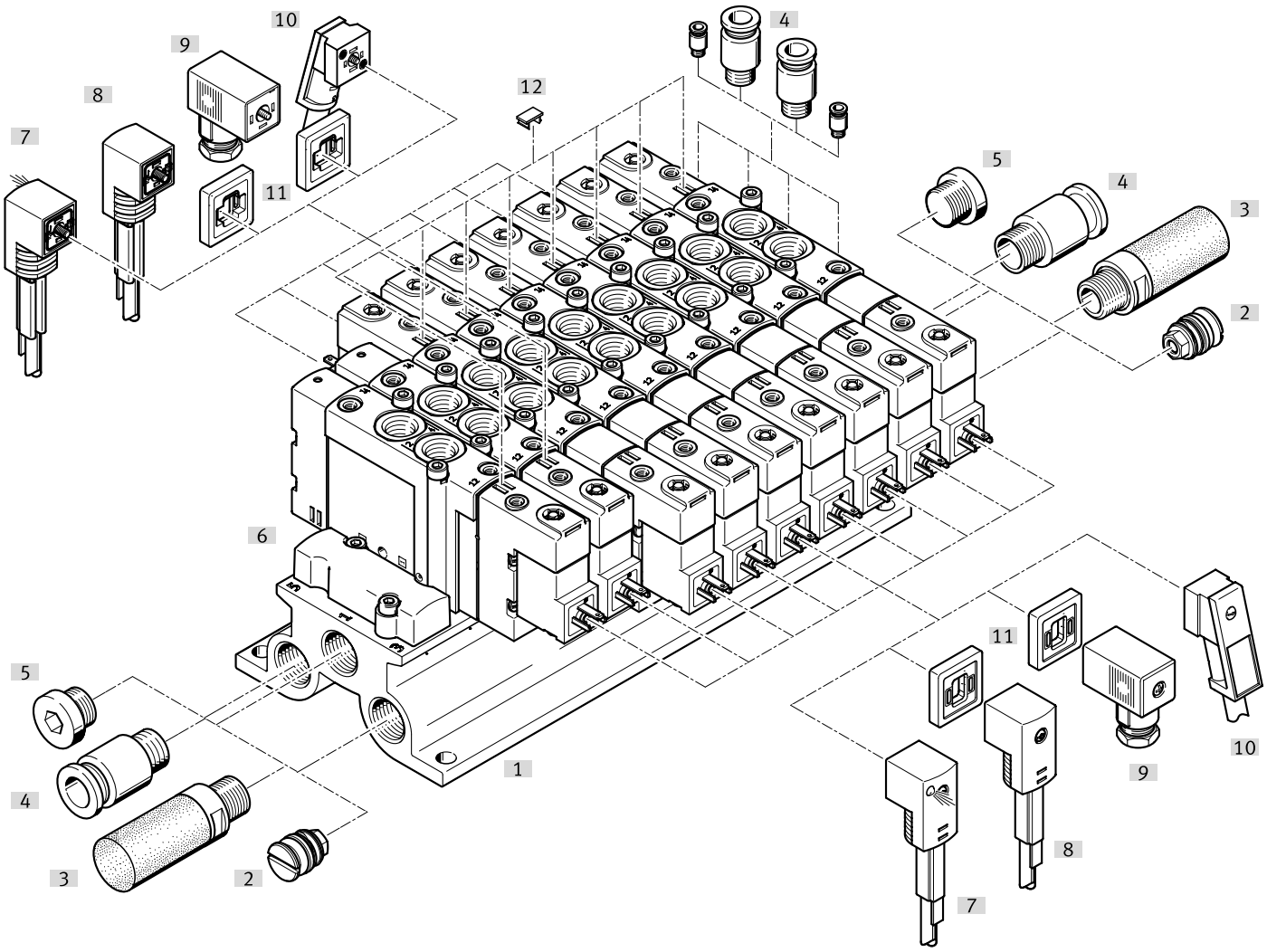
Accessories – Battery mounting fixed grid CPE10 and CPE14, connection diagram ZC



Accessories			→ Link
	Type/order code	Description	
[1]	Solenoid valve CPE10 and CPE14	–	cpe
[2]	Inscription label IBS-6x10	–	78
[3]	Push-in fittings QS	For barbed tubing connectors	qs
[4]	Reducer M7 to M5	Included in the scope of delivery	–
[5]	Silencer UC	For ports 3, 5, 82 or 84	78
[6]	Blanking plug B	–	78
[7]	Separator VABD..., PRSV...	For mounting on a manifold block	78
[8]	Connecting cable NEBV-Z4...	Plug pattern ZC with holding current reduction, protective circuit, signal status display	74

Peripherals

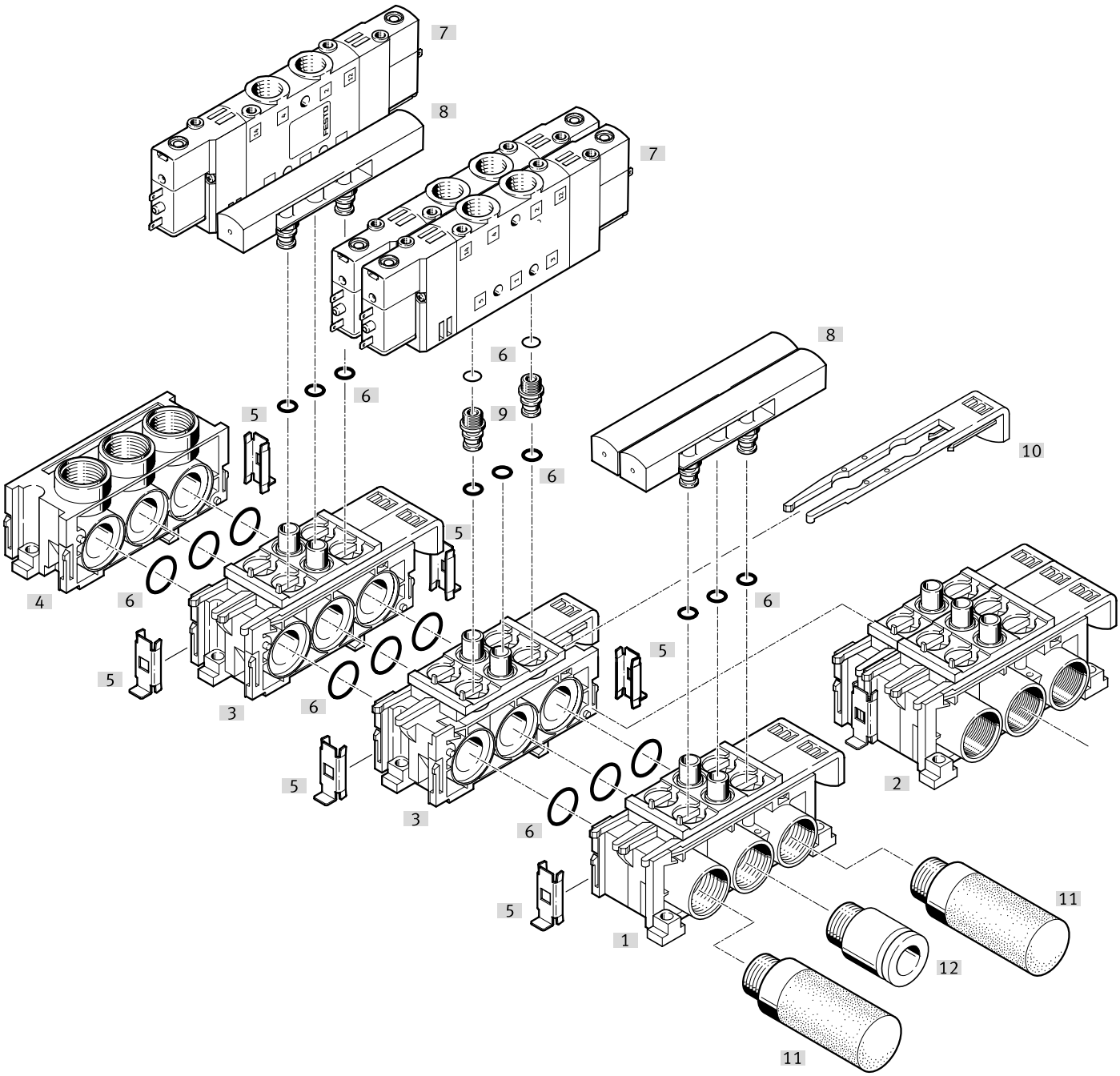
Accessories – Fixed-grid manifold assembly CPE18



Accessories			→ Link
	Type/order code	Description	
[1]	Solenoid valve CPE18	–	cpe
[1]	Manifold block CPE18-PRS...	For 5/2- and 5/3-way valves	cpe
[1]	Manifold block CPE18-3/2-PRS...	For 3/2-way valves	cpe
[2]	Separator for pressure zones VABD..., PRSV...	For mounting on a manifold block	78
[3]	Silencer UC	For fitting in exhaust ports	78
[4]	Push-in fittings QS	For barbed tubing connectors	qs
[5]	Blanking plug B	–	78
[6]	Cover plate CPE18-RP3	For mounting on vacant positions for 3/2-way valves	76
[6]	Cover plate CPE18-RP	For mounting on vacant positions for 5/2- and 5/3-way valves	76
[7]	Plug socket with cable KMEB-1...	Cable sheath PVC, up to 240 V, without signal status display	77
[8]	Plug socket with cable KMEB-1...	Cable sheath PVC, 24 V DC, with signal status display	77
[9]	Plug socket MSSD-EB...	Without signal status display	77
[10]	Plug socket with cable KMEB-2...	Cable sheath PUR	77
[11]	Illuminating seal MEB-LD...	For 12 ... 24 V DC and 0 ... 230 V AC	77
[12]	Inscription label IBS-6x10	–	78

Peripherals

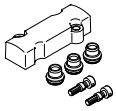
Manifold assembly with modular manifold blocks



Accessories			→ Link
	Type/order code	Description	
[1]	Manifold block CPE...-PRSG-2	For 2 valves	cpe
[2]	Manifold block CPE...-PRSG-3	For 3 valves	cpe
[3]	Extension block CPE...-PRSE-2	For 2 valves	cpe
[4]	End plate CPE...-PRS-EP	–	cpe
[5]	Connecting component	To connect the blocks	–
[6]	Seal	Included in the scope of delivery	–
[7]	Solenoid valve CPE...	–	cpe
[8]	Cover plate CPE...-RP	To seal vacant positions	–
[9]	Fitting	Included in the scope of delivery	–
[10]	Gate valve	For mounting the valve	–
[11]	Silencers UC	–	78
[12]	Push-in fitting QS	For barbed tubing connectors	qs

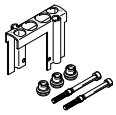
Accessories

CPE10, manifold block for 5/2- and 5/3-way valves, cover plate for vacant position



Material cover plate	Part no.	Type
PA	**544479**	**CPE10-RP**

CPE10, manifold block for 5/2- and 5/3-way valves, retainer set



Material retaining bracket	Material screws	Material seals	Part no.	Type
High-alloy stainless steel	Steel, Galvanised	NBR	**544394**	**CPE10-H5-SET**

CPE10, manifold block for 5/2- and 5/3-way valves, retaining bracket



Material retaining bracket	Part no.	Type
High-alloy stainless steel	**547045**	**CPE10-H5-50**

CPE10, manifold block for 5/2- and 5/3-way valves, screws



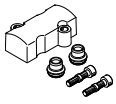
Material screws	Part no.	Type
Steel, Galvanised	**547048**	**M3X40-8.8-VS-100**

CPE10, manifold block for 5/2- and 5/3-way valves, seals



Material seals	Part no.	Type
NBR	**547051**	**CPV10-VI-P.M7-150**

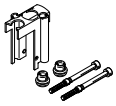
CPE10, manifold block for 3/2-way valves, cover plate for vacant position



Material cover plate	Part no.	Type
PA	**550580**	**CPE10-RP3**

Accessories

CPE10, manifold block for 3/2-way valves, retainer set



Material retaining bracket	Material screws	Material seals	Part no.	Type
High-alloy stainless steel	Steel, Galvanised	NBR	**550577**	**CPE10-H3-SET**

CPE10, manifold block for 3/2-way valves, retaining bracket



Material retaining bracket	Part no.	Type
High-alloy stainless steel	**551490**	**CPE10-H3-50**

CPE10, manifold block for 3/2-way valves, screws



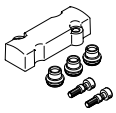
Material screws	Part no.	Type
Steel, Galvanised	**547048**	**M3X40-8.8-VS-100**

CPE10, manifold block for 3/2-way valves, seals



Material seals	Part no.	Type
NBR	**547051**	**CPV10-VI-P.M7-150**

CPE14, manifold block for 5/2- and 5/3-way valves, cover plate for vacant position



Material cover plate	Part no.	Type
PA	**544480**	**CPE14-RP**

CPE14, manifold block for 5/2- and 5/3-way valves, retainer set



Material retaining bracket	Material screws	Material seals	Part no.	Type
High-alloy stainless steel	Steel, Galvanised	NBR	**544395**	**CPE14-H5-SET**

Accessories

CPE14, manifold block for 5/2- and 5/3-way valves, retaining bracket



Material retaining bracket	Part no.	Type
High-alloy stainless steel	547046	CPE14-H5-50

CPE14, manifold block for 5/2- and 5/3-way valves, screws



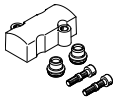
Material screws	Part no.	Type
Steel, Galvanised	547049	M3X45-8.8-VS-100

CPE14, manifold block for 5/2- and 5/3-way valves, seals



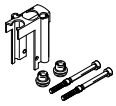
Material seals	Part no.	Type
NBR	547052	CPV14-VI-P.1/8-150

CPE14, manifold block for 3/2-way valves, cover plate for vacant position



Material cover plate	Part no.	Type
PA	550582	CPE18-RP3
	550581	CPE14-RP3

CPE14, manifold block for 3/2-way valves, retainer set



Material retaining bracket	Material screws	Material seals	Part no.	Type
High-alloy stainless steel	Steel, Galvanised	NBR	550579	CPE18-H3-SET
			550578	CPE14-H3-SET

CPE14, manifold block for 3/2-way valves, retaining bracket



Material retaining bracket	Part no.	Type
High-alloy stainless steel	551492	CPE18-H3-50
	551491	CPE14-H3-50

Accessories

CPE14, manifold block for 3/2-way valves, screws



Material screws	Part no.	Type
Steel, Galvanised	547049	M3X45-8.8-VS-100
	547050	M4X65-8.8-VS-100

CPE14, manifold block for 3/2-way valves, seals



Material seals	Part no.	Type
NBR	547053	CPV18-VI-P.1/4-150
	547052	CPV14-VI-P.1/8-150

CPE10 and CPE14, connecting cable, socket plug pattern ZC, open cable end, 2-core



Electrical connection 2, connector system	Electrical connection 2, number of connections/ cores	Material cable sheath	Cable length	Part no.	Type
Open end	2	TPE-U(PUR)	2.5 m	8047679	NEBV-Z4WA2L-R-E-2.5-N-LE2-S1
			5 m	8047680	NEBV-Z4WA2L-R-E-5-N-LE2-S1
			10 m	8047678	NEBV-Z4WA2L-R-E-10-N-LE2-S1

CPE10 and CPE14, connecting cable, socket plug pattern ZC, plug M8x1, 3-pin



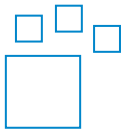
Electrical connection 2, connector system	Electrical connection 2, number of connections/ cores	Material cable sheath	Cable length	Part no.	Type
M8x1, A-coded to EN 61076-2-104	3	TPE-U(PUR)	0.5 m	8047683	NEBV-Z4WA2L-R-E-0.5-N-M8G3-S1
			2.5 m	8047684	NEBV-Z4WA2L-R-E-2.5-N-M8G3-S1

CPE10 and CPE14, distributor 2 to 1



Electrical connection 1, connector system	Electrical connection 1, connection type	Electrical connection 2, connector system	Electrical connection 2, connection type	Part no.	Type
M12x1, A-coded to EN 61076-2-101	Plug	Plug pattern ZC, metric screw	2x socket	8035787	NEDY-L2R1-V1-Z4W2Z-U-0.3L-M12G4-2.5R

CPE10 and CPE14, modular system for any 2 to 1 distributor Link nedy



Cable length 1	Part no.	Type
0.3 ... 30 m	8032867	NEDY-

Accessories

CPE10 and CPE14, adapter



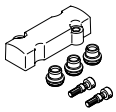
Electrical connection	Signal status display	Part no.	Type
3-pin / 2-pin, M8 / -, Plug connector/socket	LED	**571686**	**VAVE-C8-1R8**
4-pin / 2-pin, M8 / -, Plug connector/socket		**573194**	**VAVE-C8-1R1**

CPE10 and CPE14, connecting cable, socket M8x1



Electrical connection 2, number of connections/ cores	Electrical connection 1, cable outlet	Electrical connection 1, number of connections/ cores	Cable length	Part no.	Type
3	Straight	3	2.5 m	**8078223**	**NEBA-M8G3-U-2.5-N-LE3**
				8078286	**NEBA-M8G3-U-2.5-N-M8G3**
			5 m	**8078287**	**NEBA-M8G3-U-5-N-M8G3**
				8078224	**NEBA-M8G3-U-5-N-LE3**
			10 m	**8078288**	**NEBA-M8G3-U-10-N-M8G3**
	Angled		5 m	**8078231**	**NEBA-M8W3-U-5-N-LE3**
4	Straight	4	2.5 m	**8078227**	**NEBA-M8G4-U-2.5-N-LE4**
			5 m	**8078228**	**NEBA-M8G4-U-5-N-LE4**
	Angled		2.5 m	**8078233**	**NEBA-M8W4-U-2.5-N-LE4**
			5 m	**8078234**	**NEBA-M8W4-U-5-N-LE4**

CPE18, manifold block for 5/2- and 5/3-way valves, cover plate for vacant position



Material cover plate	Part no.	Type
PA	**544481**	**CPE18-RP**

CPE18, manifold block for 5/2- and 5/3-way valves, retainer set



Material retaining bracket	Material screws	Material seals	Part no.	Type
High-alloy stainless steel	Steel, Galvanised	NBR	**544396**	**CPE18-H5-SET**

CPE18, manifold block for 5/2- and 5/3-way valves, retaining bracket



Material retaining bracket	Part no.	Type
High-alloy stainless steel	**547047**	**CPE18-H5-50**

Accessories

CPE18, manifold block for 5/2- and 5/3-way valves, screws



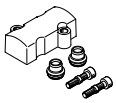
Material screws	Part no.	Type
Steel, Galvanised	**547050**	**M4X65-8.8-VS-100**

CPE18, manifold block for 5/2- and 5/3-way valves, seals



Material seals	Part no.	Type
NBR	**547053**	**CPV18-VI-P.1/4-150**

CPE18, manifold block for 3/2-way valves, cover plate for vacant position



Material cover plate	Part no.	Type
PA	**550582**	**CPE18-RP3**

CPE18, manifold block for 3/2-way valves, retainer set



Material retaining bracket	Material screws	Material seals	Part no.	Type
High-alloy stainless steel	Steel, Galvanised	NBR	**550579**	**CPE18-H3-SET**

CPE18, manifold block for 3/2-way valves, retaining bracket



Material retaining bracket	Part no.	Type
High-alloy stainless steel	**551492**	**CPE18-H3-50**

CPE18, manifold block for 3/2-way valves, screws



Material screws	Part no.	Type
Steel, Galvanised	**547050**	**M4X65-8.8-VS-100**

CPE18, manifold block for 3/2-way valves, seals



Material seals	Part no.	Type
NBR	**547053**	**CPV18-VI-P.1/4-150**

Accessories

CPE18 and CPE24, plug socket with cable, socket type C according to EN 175301-803, cable sheath PVC



Material cable sheath	Signal status display	Nominal operating voltage DC	Cable length	Part no.	Type
PVC			2.5 m	**151690**	**KMEB-1-230AC-2.5**
			5 m	**151691**	**KMEB-1-230AC-5**
	Yellow LED	24 V	2.5 m	**151688**	**KMEB-1-24-2.5-LED**
			5 m	**151689**	**KMEB-1-24-5-LED**
			10 m	**193457**	**KMEB-1-24-10-LED**

CPE18 and CPE24, plug socket with cable, socket type C, according to EN 175301-803, cable sheath PUR



Material cable sheath	Signal status display	Nominal operating voltage DC	Cable length	Part no.	Type
TPE-U(PUR)			2.5 m	**174846**	**KMEB-2-230-2,5**
			5 m	**174847**	**KMEB-2-230-5**
		24 V	2.5 m	**174844**	**KMEB-2-24-2,5-LED**
			5 m	**174845**	**KMEB-2-24-5-LED**

CPE18 and CPE24, plug socket



Electrical connection	Electrical connection 2	Operational voltage range DC	Part no.	Type
		0 ... 300 V	**539712**	**MSSD-EB-M12**
3-pin, Socket, Angled socket, Type C, To DIN EN 175301-803, To DIN EN 61984, Square design MSEB, Square design MSN2	Screw terminal		**151687**	**MSSD-EB**

CPE18 and CPE24, illuminating seal



Electrical connection	Operational voltage range DC	Part no.	Type
Type C, To DIN EN 175301-803, Square design MSEB		**151718**	**MEB-LD-230AC**
	12 ... 24 V	**151717**	**MEB-LD-12-24DC**

General accessories, blanking plug, for manifold block CPE10



Pneumatic connection, port 1	Size of pack	Part no.	Type
Male thread G1/4	10	**3569**	**B-1/4**
Male thread G3/8		**3570**	**B-3/8**

Accessories

General accessories, blanking plug, for manifold block CPE14, CPE18



Pneumatic connection, port 1	Size of pack	Part no.	Type
Male thread G3/8	10	**3570**	**B-3/8**

General accessories, separator for pressure zones, for manifold block CPE14, CPE18



LABS (PWIS) conformity	Part no.	Type
VDMA24364-B1/B2-L	**160997**	**PRSV-1/8**

General accessories, silencers



Pneumatic connection	Size of pack	Part no.	Type
M3	20	**1231120**	**AMTE-M-LH-M3**
M5	1	**165003**	**UC-M5**
M7		**161418**	**UC-M7**
G1/8		**161419**	**UC-1/8**
G1/4		**165004**	**UC-1/4**

General accessories, manual override, for CPE 10 and CPE14 with plug pattern ZC



Type of mounting	Part no.	Type
Latching	**157600**	**AHB-MZB**

General accessories, manual override, for CPE 18 and CPE24 with plug type C



Type of mounting	Part no.	Type
Latching	**157601**	**AHB-MEB**

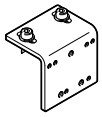
General accessories, inscription labels



Size	Size of pack	Part no.	Type
10x6 mm	64	**18576**	**IBS-6X10**

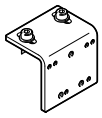
Accessories

General accessories, mounting kit with bracket for lateral valve mounting, for standards-based cylinder DSBC-32...40, for CPE14



Product weight	Part no.	Type
76 g	**2568514**	**DAVM-MW-V1-32-V**

General accessories, mounting kit with bracket for mounting the valve on the side, for standards-based cylinder DSBC-50...125, for CPE18 and CPE24



Product weight	Part no.	Type
160 g	**2612128**	**DAVM-MW-V1-50-V**