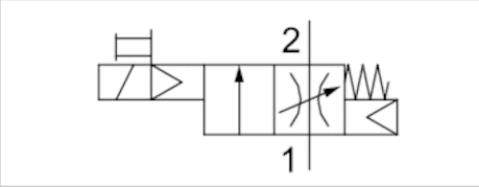
Filling valve, electrically operated, series AS3-SSV

- With electrical priority circuit, adjustable filling time.
- Compressed air connection G 1/2 G 3/8
- Pipe connection
- Electrical connection: Plug, M12x1



Type	Poppet valve with elect. priority circuit, Can be assembled into blocks
Parts	Filling valve
Nominal flow	4500 l/min
Working pressure min./max.	2,5 ... 10 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 ... 50 °C
Ambient temperature min./max.	-10 ... 50 °C
Sealing principle	Soft sealing
Max. particle size	25 µm
Protection class acc. to DIN EN 61140 with plug	IP65
Duty cycle	100 %
Weight	0,43 kg

Technical data

Part No.	Compressed air connection input	Compressed air connection output	Operational voltage
			DC
R412007389	G 1/2	G 1/2	24 V
R412007390	G 3/8	G 3/8	24 V

Part No.	Electrical connection
	Pilot valve
R412007389	Plug, M12x1
R412007390	Plug, M12x1

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Technical information

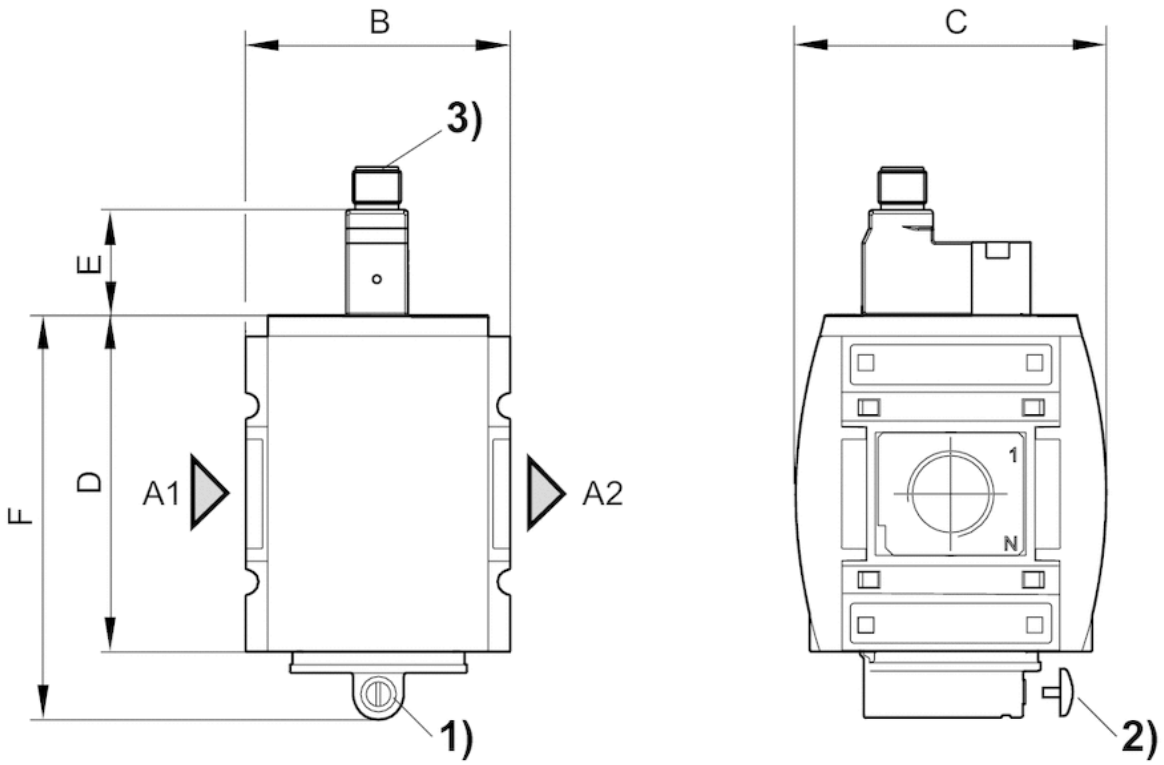
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.
The filling valve builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a recommissioning after a mains pressure failure or avoids emergency OFF switching. This allows dangerous abrupt cylinder motions to be avoided.
Actuating the electric priority circuit disrupts the slow pressure build-up and pressure p1 is immediately applied.
For unthrottled operation, the filling valve must be permanently electrically actuated.

Technical information

Material	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc

Dimensions

Dimensions



A1 = input
A2 = output

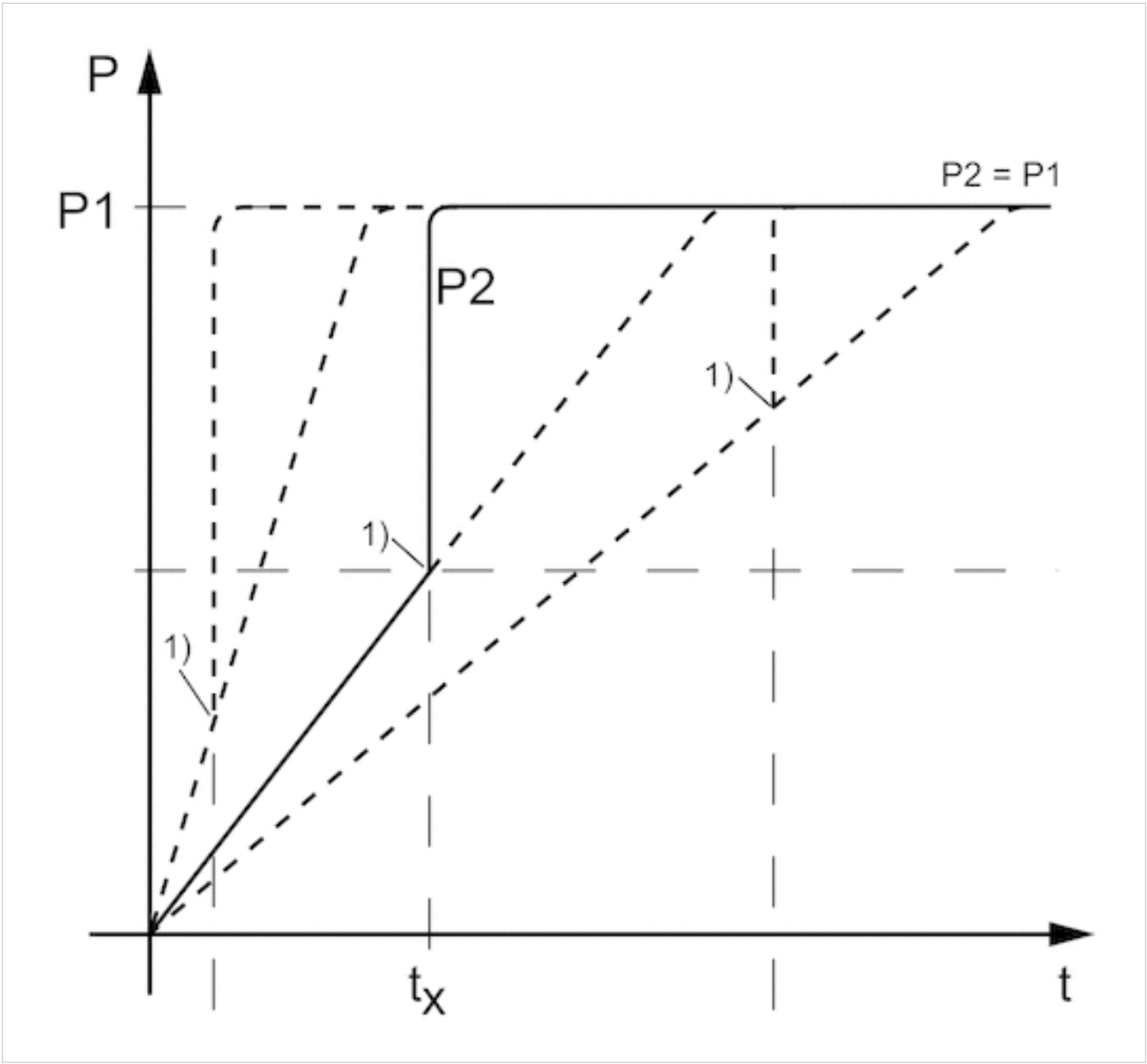
1) Adjustment screw for filling time
2) Adjustment screw lock
3) For valve plug connectors M12x1

Dimensions in mm

A1	A2	B	C	D	E	F
G 1/2	G 1/2	63	74	80	39	96
G 3/8	G 3/8	63	74	80	39	96

Diagrams

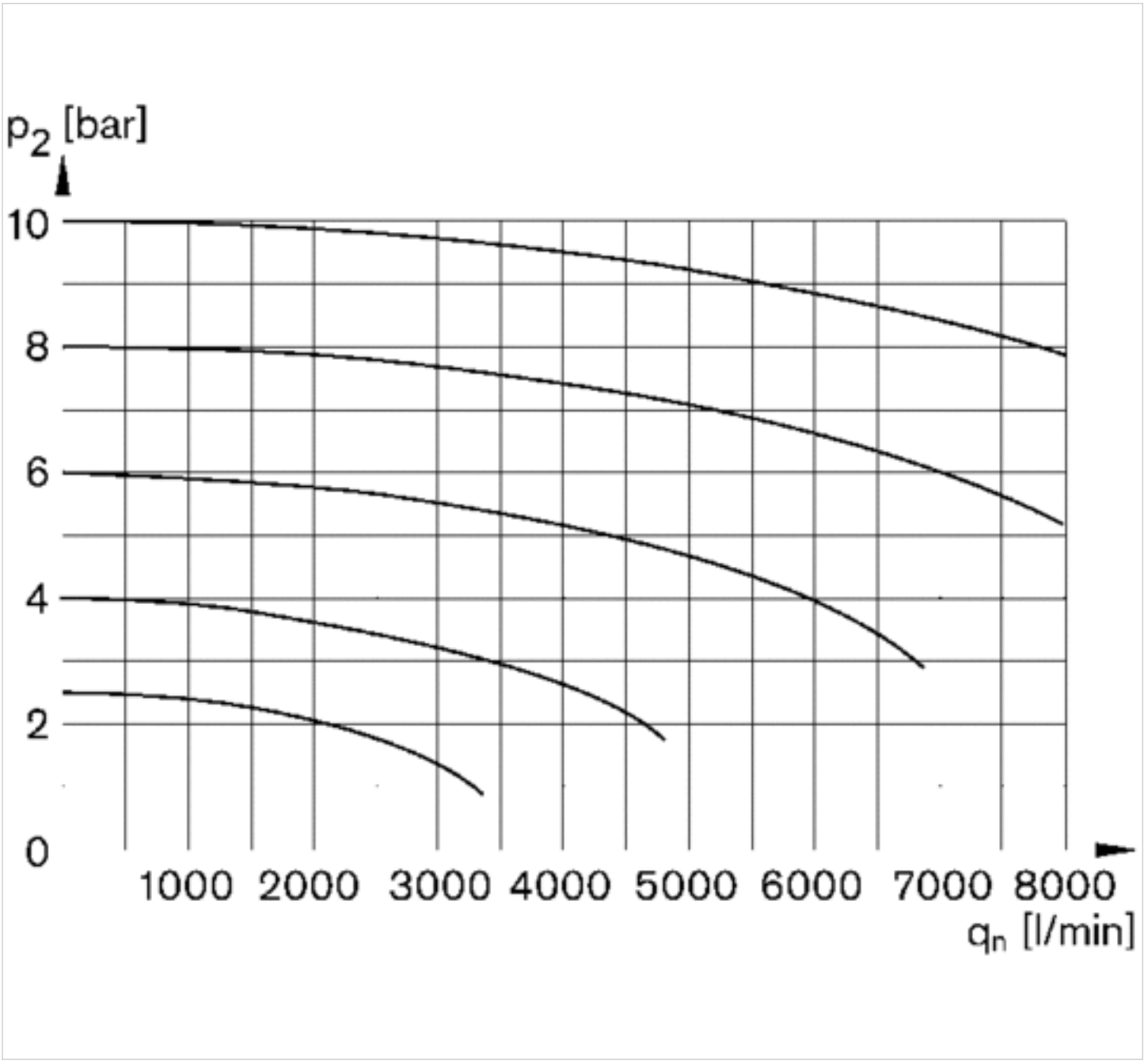
Secondary pressure while filling



p1 = working pressure
p2 = secondary pressure

t = filling time
tx = switchover time
1) Electrically triggered switching point
Filling time adjustable via adjustment screw (throttle)

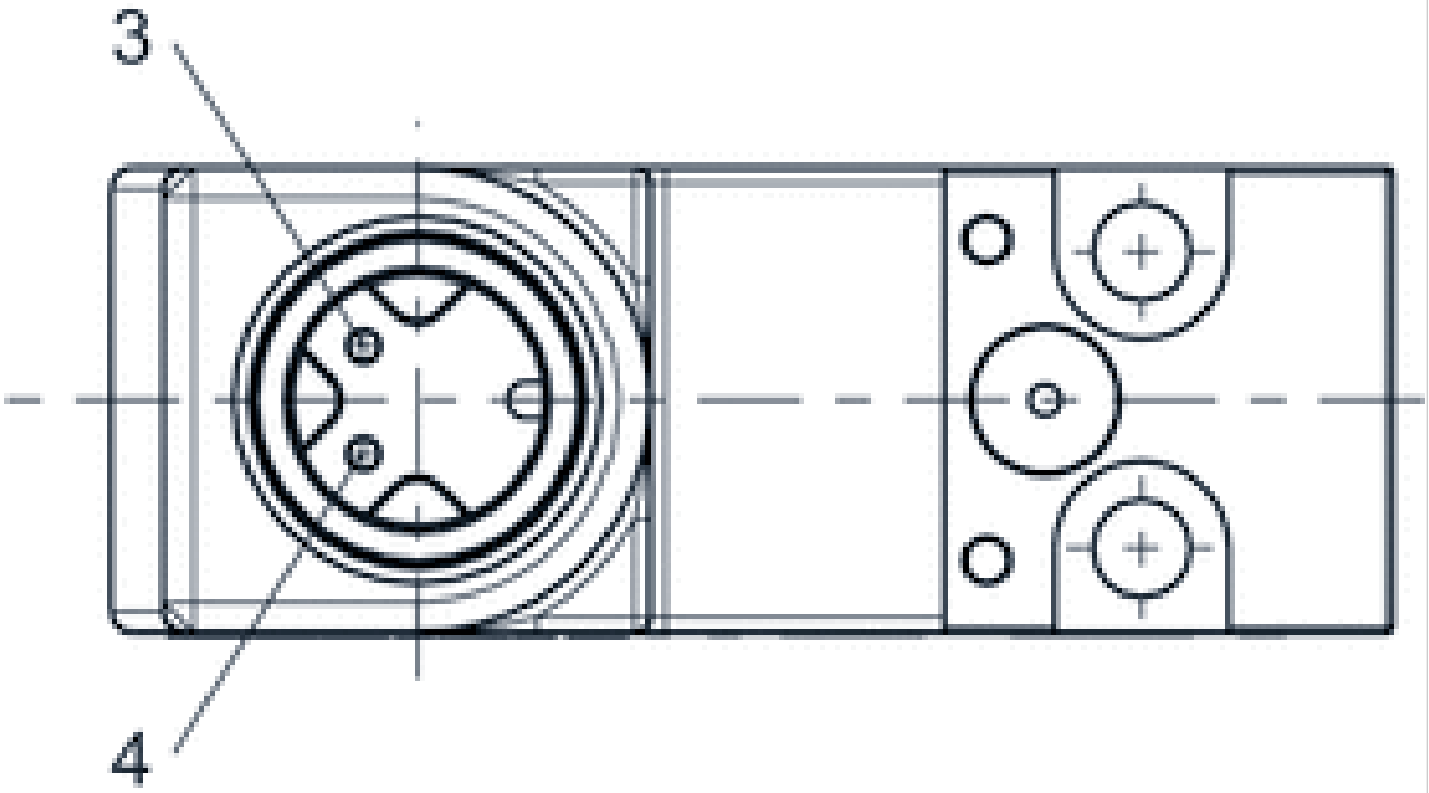
Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

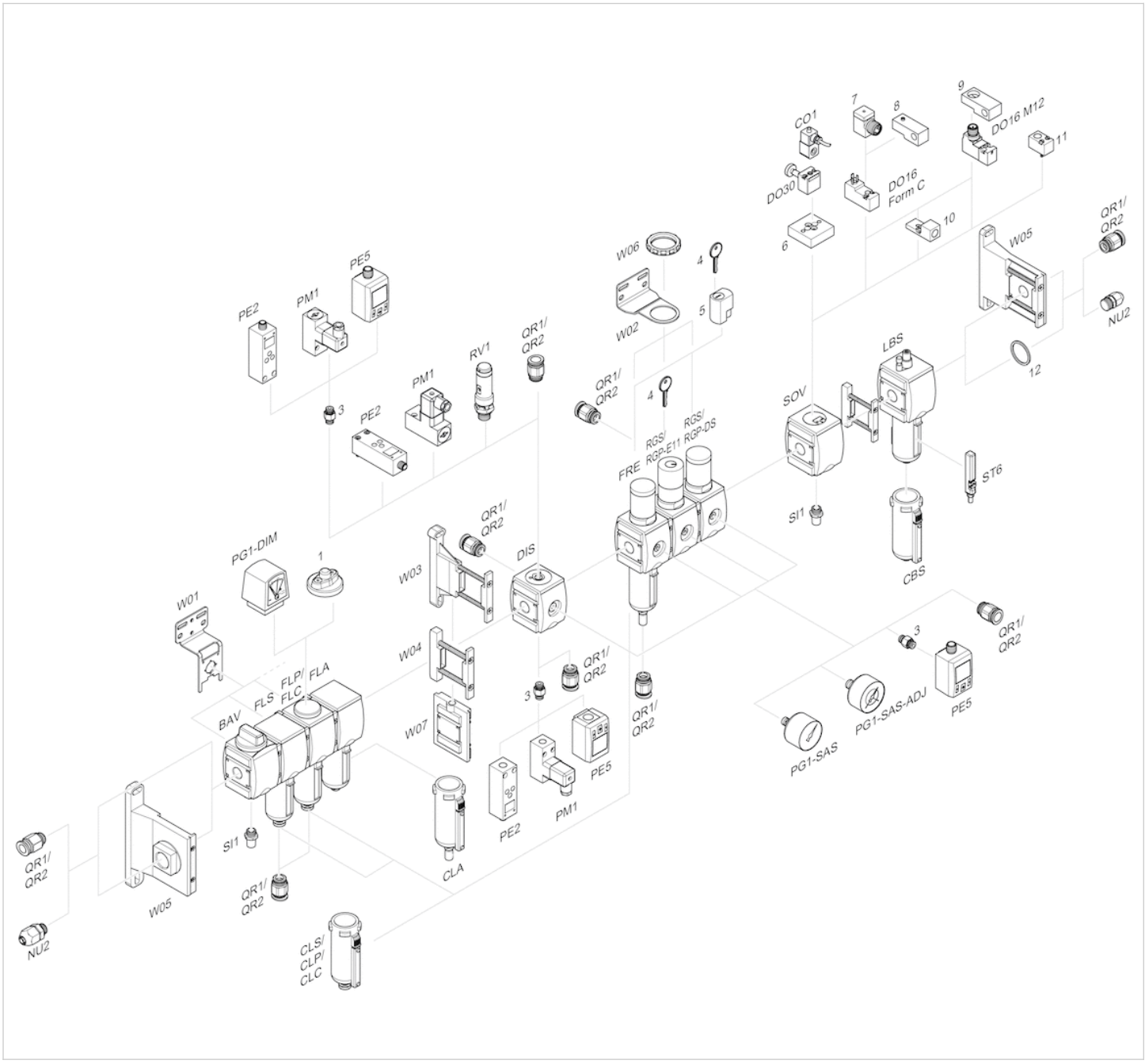
Pin assignments

Pin assignment M12x1



3: +/-
4: +/-

Accessories overview



1 = contamination display
3 = Double nipple
4 = Key for E11 locking
5 = mortise lock
6 = Transition plate DO30
7 = Adapter, Series CON-VP
8 = Mounting aid DO16, form C
9 = Mounting aid DO16, M12
10 = Adapter for external pilot air
11 = Adapter pneumatic operation
12 = Sealing ring

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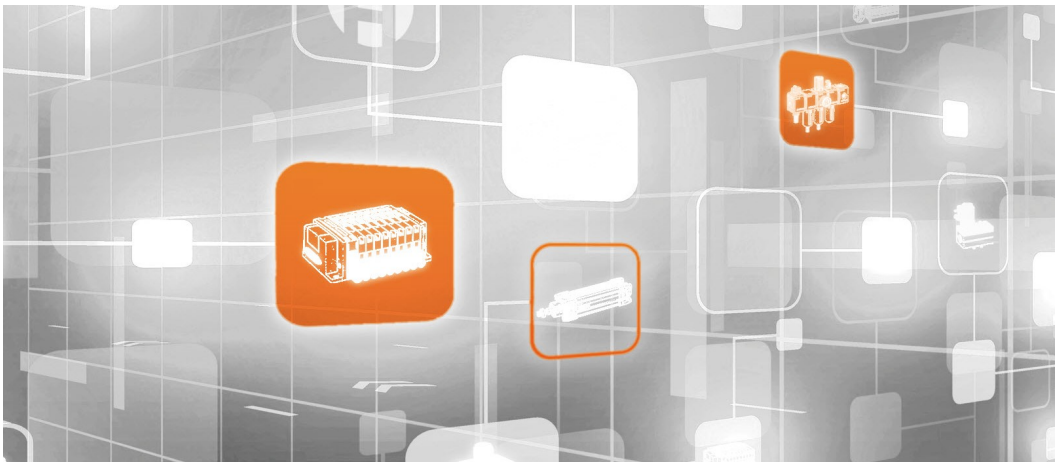

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