

Pressure sensor SPAU

FESTO



Characteristics

At a glance



The pressure sensor SPAU is suitable for monitoring compressed air and non-corrosive gases.

- The variant with display offers the option of reading the pressure and set values on-site. The pressure value is transmitted to the connected control system as a switching signal, as an analogue signal or via IO-Link®.
- The pressure sensor without display transmits the pressure value to the connected control system as an analogue signal. The pressure indicator and sensor are parameterised centrally, for example via a visualisation system as part of a machine controller. The pressure sensor can be parameterised using IO-Link® as a tamper-proof pressure switch without display with up to two switching outputs.

Application areas:

- Mains monitoring (pressure available)
- Controller monitoring (pressure in the target range)
- Vacuum (part aspirated)
- Leak test (pressure drop over time)
- Object detection (back pressure available)

Overview

Variants with display:

- Pressure indicator, pressure switching outputs and analogue value output from a device can be set on-site
- Quick commissioning of the pressure sensor thanks to straightforward menu navigation
- Display colour blue/red as visual feedback about the pressure of the medium
- Min./max. value memory for monitoring compressed air (visualisation of rapid, unnoticeable pressure peaks)
- Adjustable filter evens out the sensor signal generated by pressure peaks
- Scaling the analogue output to increase the signal dynamics
- Switchable pressure units: bar, MPa, PSI and more
- Offset adjustment is possible
- ECO function "Switch off display" available
- Optional security code can be freely chosen (4 digit code)
- All the settings for one sensor (master) can be transferred (replication) to other, identical sensors (device). This can significantly shorten the commissioning time

Variants without display:

- Analogue value output and pressure switching outputs proportional to the pressure
- Switching output behaviour can be set on the machine display using IO-Link®
- Other functions can be set using IO-Link®

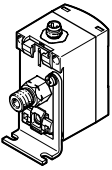
Variants with IO-Link®:

- With and without display
- Serial communication integrated via IO-Link® 1.1
- Analogue process value is provided digitally
- The sensor can be parameterised and maintained remotely at the control level using an IO-Link® master
- Automatic parameterisation following a sensor change means there is no need to repeat the parameterisation and sensor settings after changing the sensor

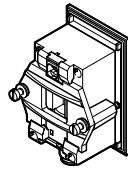
Characteristics

Type of mounting

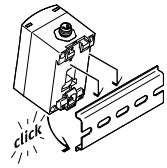
[A] Mounting bracket



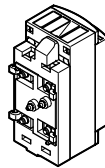
[F] Front panel mounting



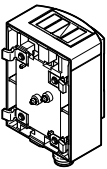
[H] H-rail mounting



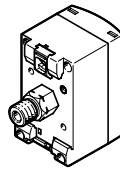
[MS4] Adapter MS4



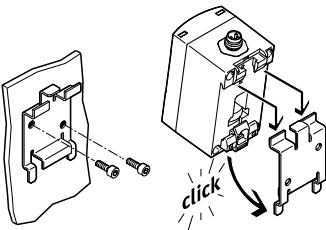
[MS6] Adapter MS6



[T] Threaded mounting



[W] Wall mounting



Electrical output 1

[LK] IO-Link®

[PNLK] PNP/NPN/IO-Link



Electrical output 2

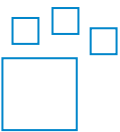
[A] 4 ... 20 mA

[B] 1 ... 5 V

[PNVBA] PNP or NPN or 0 ... 10 V or 1 ... 5 V or 4 ... 20 mA

[V] 0 ... 10 V

Ordering data - modular system



Configurable product

This product and all its product options can be ordered online via the configurator.

Type code

001	Series	
SPAU	Pressure sensor SPAU	

002	Pressure measuring range	
B2	-1 ... 1 bar	
B11	-1 ... 10 bar	
P025	0 ... 0.25 bar	
P05	0 ... 0.5 bar	
P1	0 ... 1 bar	
P2	0 ... 2 bar	
P6	0 ... 6 bar	
P10	0 ... 10 bar	
P12	0 ... 12 bar	
P16	0 ... 16 bar	
V025	0 ... -0.25 bar	
V05	0 ... -0.5 bar	
V1	0 ... -1 bar	

003	Pressure inlet	
R	Relative pressure	

004	Type of mounting	
A	Mounting bracket	
F	Front panel mounting	
H	H-rail mounting	
MS4	Adapter MS4	
MS6	Adapter MS6	
T	Threaded mounting	
W	Wall mounting	

005	Pneumatic connection	
F	Flange/sub-base	
G18	G1/8	
M5	M5	
M7	M7	
N18	1/8 NPT	
Q4	Push-in connector 4 mm	
Q6	Push-in connector 6 mm	
R18	R1/8	
R14	R1/4	

006	Thread type	
	None	
F	Female	
M	Male	

007	Outlet orientation	
	Rear	
D	Underneath	
U	Top	

008	Display	
	None	
L	LCD, backlit	

009	Electrical output 1	
LK	IO-Link®	
PNLK	PNP/NPN/IO-Link	

010	Electrical output 2	
A	4 ... 20 mA	
B	1 ... 5 V	
PNVBA	PNP or NPN or 0 ... 10 V or 1 ... 5 V or 4 ... 20 mA	
V	0 ... 10 V	

011	Electrical connection	
M8	Plug M8, A-coded	
M12	Plug M12, A-coded	

012	Electrical outlet direction	
	Rear	
D	Underneath	
U	Top	

013	Electrical accessories	
	None	
2.5A	Angled socket, cable 2.5 m	
2.5S	Straight socket, cable 2.5 m	
5A	Angled socket, cable 5 m	
5S	Straight socket, cable 5 m	

014	Protective devices	
	None	
G	Protective hood	

015	Certificate	
	None	
T	Test report	

Datasheet

General technical data

Approval	RCM, c UL us - Listed (Oil)
CE mark (see declaration of conformity)	To EU EMC Directive, In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC, To UK RoHS instructions
KC mark	KC-EMV
Note on materials	RoHS compliant

Input signal, measuring element

Pressure measuring range	-1 ... 1 bar [B2]	-1 ... 10 bar [B11]	0 ... 2 bar [P2]	0 ... 6 bar [P6]	0 ... 10 bar [P10]	0 ... 12 bar [P12]	0 ... 16 bar [P16]	0 ... -1 bar [V1]
Measured variable	Relative pressure							
Measurement method	Piezoresistive pressure sensor							
Start value for pressure measuring range	-0.1 MPa		0 MPa					
Start value for pressure measuring range	-1 bar		0 bar					
Start value for pressure measuring range	-14.5 psi		0 psi					
End value for pressure measuring range	0.1 MPa	1 MPa	0.2 MPa	0.6 MPa	1 MPa	1.2 MPa	1.6 MPa	-0.1 MPa
End value for pressure measuring range	1 bar	10 bar	2 bar	6 bar	10 bar	12 bar	16 bar	-1 bar
End value for pressure measuring range	14.5 psi	145 psi	29 psi	87 psi	145 psi	174 psi	232 psi	-14.5 psi
Max. overload pressure	—							
Overload pressure	0.5 MPa	1.5 MPa	0.6 MPa	1.5 MPa			2 MPa	0.5 MPa
Overload pressure	5 bar	15 bar	6 bar	15 bar			20 bar	5 bar
Overload pressure	72.5 psi	217.5 psi	87 psi	217.5 psi			290 psi	72.5 psi
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4], Inert gas							
Note on operating and pilot medium	Lubricated operation possible							
Media temperature	0 ... 50°C							
Ambient temperature	0 ... 50°C							

Signal processing

Resolution ADC	12 bit
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Output, general

Pressure measuring range	-1 ... 1 bar [B2]	-1 ... 10 bar [B11]	0 ... 2 bar [P2]	0 ... 6 bar [P6]	0 ... 10 bar [P10]	0 ... 12 bar [P12]	0 ... 16 bar [P16]	0 ... -1 bar [V1]
Accuracy in ± % FS	1.5 %FS						2 %FS	1.5 %FS
Repetition accuracy in ± %FS	0.3 %FS							
Temperature coefficient in ± %FS/K	0.05 %FS/K							

Switching output

Electrical output 1	IO-Link® [LK]	PNP/NPN/IO-Link [PNLK]
Switching output ¹⁾	2xPNP	2 x PNP or 2 x NPN, switchable
Switching function	Freely programmable	
Switching element function	NC or NO, switchable	

1) Second PNP output can only be activated via IO-Link®.

Datasheet

Analogue output

Electrical output 2	4 ... 20 mA [A]	PNP or NPN or 0 ... 10 V or 1 ... 5 V or 4 ... 20 mA [PNVBA]	0 ... 10 V [V]
Electrical output 1	IO-Link® [LK]	PNP/NPN/IO-Link [PNLK]	IO-Link® [LK]
Rise time	3 ms		
Max. output current	100 mA		
Min. load resistance voltage output	10 kOhm		
Max. load resistance current output	500 Ohm		

Output, additional data

Short circuit current rating	Yes
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IO-Link® device to IEC 61131-9

Protocol	IO-Link®
IO-Link, Protocol version	Device V 1.1
IO-Link, Profile	Smart sensor profile
IO-Link, Function classes	Binary data channel (BDC), Process data variable (PDV), Identification, Diagnostics, Teach channel
IO-Link, communication mode	COM2 (38.4 kBaud)
IO-Link, SIO-Mode support	Yes
IO-Link, Port class	A
IO-Link, Process data length OUT	0 bytes
IO-Link, Process data length IN	2 bytes
IO-Link, Process data content IN	14 bit PDV (pressure measurement value), 2 bit BDC (pressure monitoring)
IO-Link, Min. cycle time	3 ms
IO-Link, Data storage required	0.5

Electronics

Operational voltage range DC	20 ... 30 V
Reverse polarity protection	For all electrical connections

Electromechanics

Electrical connection	Plug M8, A-coded [M8]	Plug M12, A-coded [M12]
Electrical connection 1, connection type	Plug	
Electrical connection 1, connector system	M8x1, A-coded, to EN 61076-2-104	M12x1, A-coded to EN 61076-2-101
Electrical connection 1, number of connections/cores	4	
Electrical connection 1, type of mounting	Not rotatable	
Electrical connection 1, compatible type of mounting	Compatible with latching lock, Compatible with rotatable screw-type lock	Compatible with rotatable screw-type lock

Display, operation

Display	None [L]	LCD, backlit [L]
Display type	LED	Illuminated LCD
Displayable units	–	MPa, bar, inH ₂ O, inHg, kPa, kgf/cm ² , mmHg, psi
Setting options	IO-Link®	IO-Link®, Teach-in, Via display and buttons
Protection against tampering	IO-Link®	IO-Link®, PIN code
Setting range threshold value	0 ... 100%	
Setting range hysteresis	0 ... 90%	

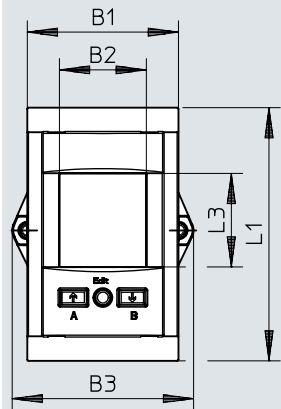
Datasheet

Immission, emission					
Type of mounting	Front panel mounting	On service unit	With thread	via DIN rail	Via wall/surface bracket
Degree of protection	IP65		IP65, IP67		
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress				
LABS (PWIS) conformity	VDMA24364-B1/B2-L				
Mounting position	Any				

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

Dimensions

Dimensions – SPAU-...-F-...-L-PNLK-... [Download CAD data](#) www.festo.com

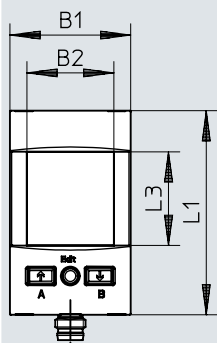


	B1	B2	B3	L1	L3
SPAU-...-F-...-L-PNLK-...	40	23	48	67	24,8

Dimensions

Dimensions – SPAU-...-L-PNLK-...

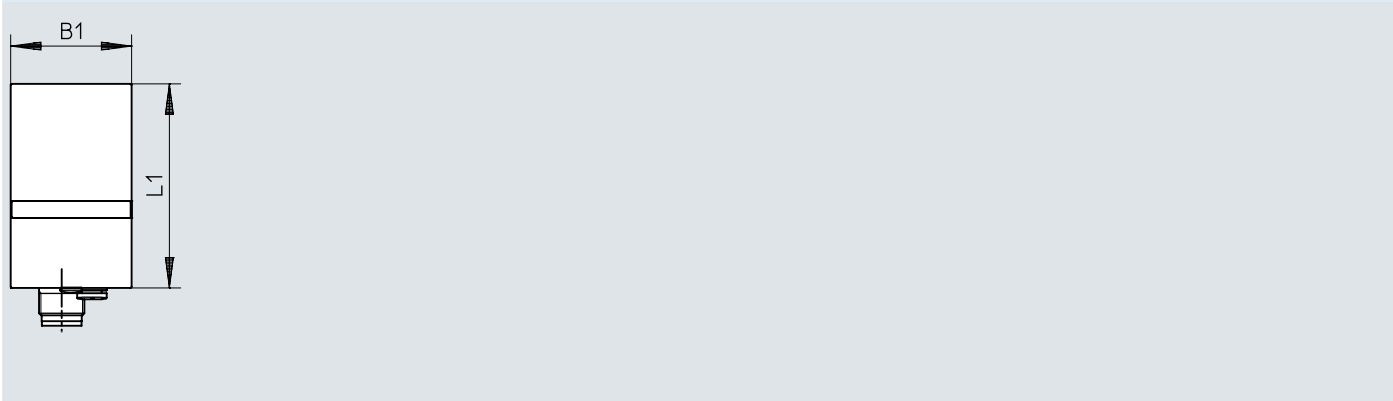
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	B1	B2	L1	L3
SPAU-...-L-PNLK-...	32	23	54	24,8

Dimensions

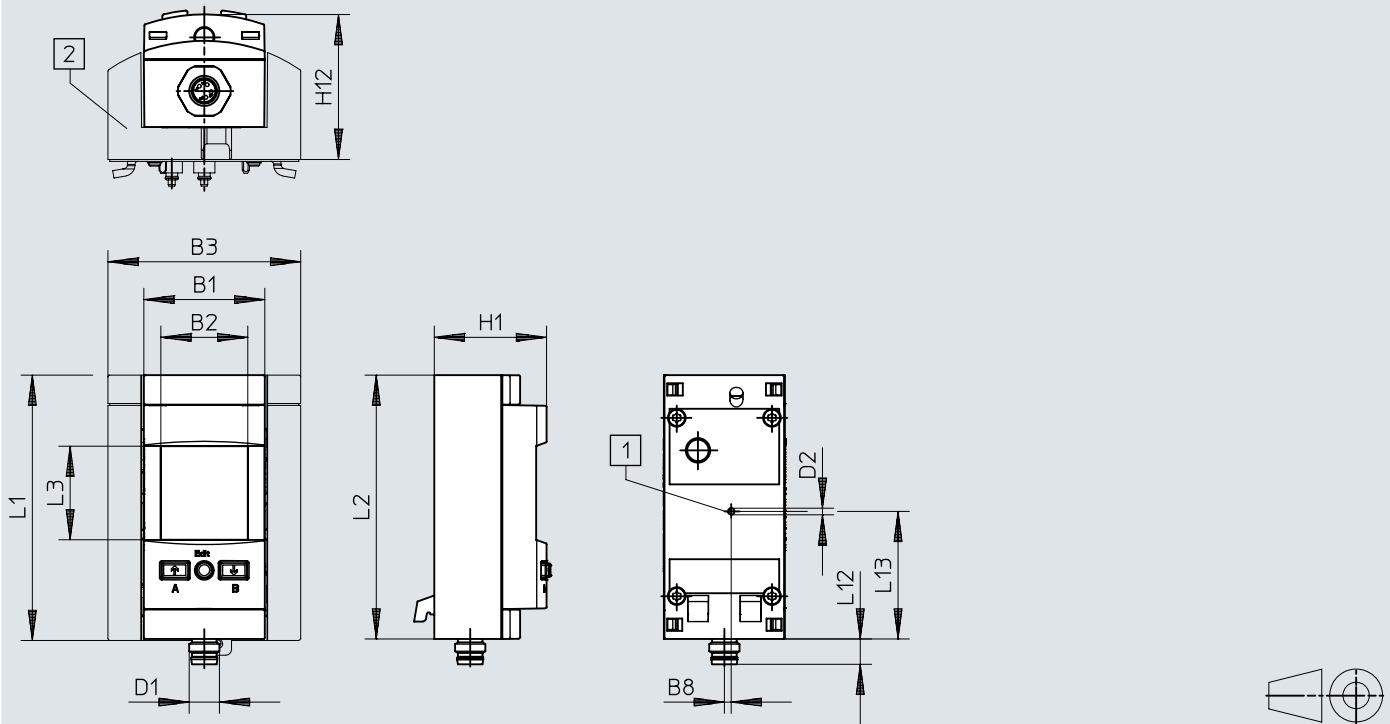
Dimensions – SPAU-...-LK-... [Download CAD data](#) www.festo.com



	B1	L1
SPAU-...-LK-...	32	54

Dimensions

Dimensions – Service unit

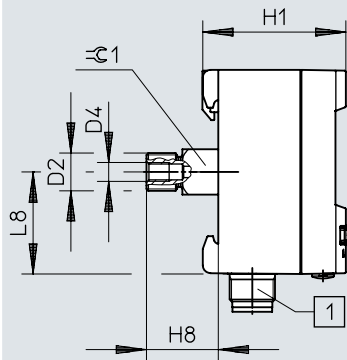
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- [1] Pressure supply port
[2] Adapter for MS4 (enclosed for the customer to mount)

	B1	B2	B3	B8	D1	D2	H1	H12	L1	L2	L3	L12	L13
SPAU-P10R-MS-...-L-...-M8	32	23	–	1,8	M8x1	1,8	29,8	–	–	69,8	24,8	6,7	33,8
SPAU-P10R-MS-...-L-...-M12	32	23	–	1,8	M12x1	1,8	29,8	–	–	69,8	24,8	6,7	33,8
SPAU-P10R-MS4-F-L-...-M8D	32	23	32	1,8	M8x1	1,8	29,8	~38,3	70,2	69,8	24,8	6,7	33,8
SPAU-P10R-MS6-F-L-...-M8D	32	23	51	1,8	M8x1	1,8	29,8	~38,3	70,2	69,8	24,8	10	33,8
SPAU-P10R-MS4-F-L-...-M12D	32	23	32	1,8	M12x1	1,8	29,8	~38,3	70,2	69,8	24,8	6,7	33,8
SPAU-P10R-MS6-F-L-...-M12D	32	23	51	1,8	M12x1	1,8	29,8	~38,3	70,2	69,8	24,8	10	33,8

Dimensions

Dimensions – Connections SPAU-...-M-... Download CAD data www.festo.com



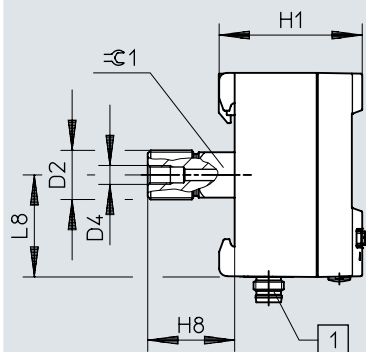
[1] Connections SPAU-...-M12... M12, 4-pin; SPAU-...-M8... M8, 4-pin

	D2	1)		2)	D4	H1	H8	L8	=C1
		3)	4)						
SPAU-...-G18M-...-MxD	G1/8	8	–	5)	M5	37,9	19	27	12
SPAU-...-R18M-...-MxD	R1/8			min. 6,5					
SPAU-...-N18M-...-MxD	1/8NPT			min. 6,9					
SPAU-...-M5F-...-MxD	M5	–	6	5)					

- 1) Thread length
- 2) Thread engagement length
- 3) Male (M)
- 4) Female (F)
- 5) To the stop

Dimensions

Dimensions – Connections SPAU-...-R14M-...

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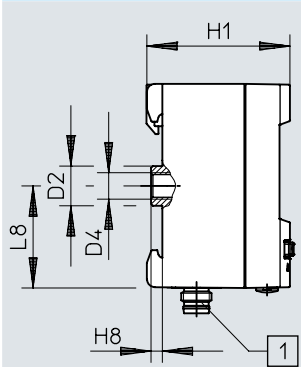
[1] Connections SPAU-...-M12... M12, 4-pin; SPAU-...-M8... M8, 4-pin

	D2	1) 3)	2)	D4	H1	H8	L8	⌀1
SPAU-...-R14M-...-MxD	R1/4	12	min. 9,7	M5	37,9	23	27	12

- 1) Thread length
- 2) Thread engagement length
- 3) Male (M)

Dimensions

Dimensions – Connections SPAU-...-M7F-... Download CAD data www.festo.com



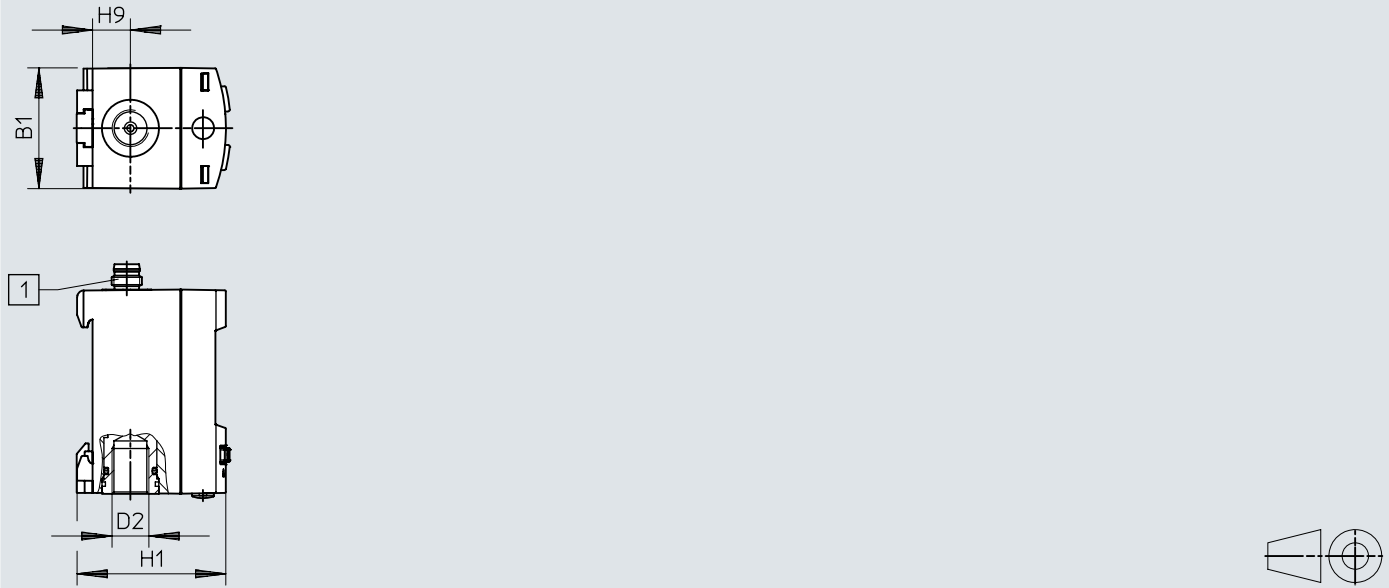
[1] Connections SPAU-...-M12... M12, 4-pin; SPAU-...-M8... M8, 4-pin

	D2	1)	2)	D4	H1	H8	L8
		3)					
SPAU-...-M7F-...-MxD	M7	8	4)	M7	37,9	3	27

- 1) Thread length
- 2) Thread engagement length
- 3) Female (F)

Dimensions

Dimensions – Connections SPAU-...-...MD-...

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[1] Connections SPAU-...-M12... M12, 4-pin; SPAU-...-M8... M8, 4-pin

	B1	D2	1) 3)	2)	H1	H9
SPAU-...-G18FD-...-MxU	32	G1/8	12	4)	39,4	10
SPAU-...-R18FD-...-MxU		R1/8	8	min. 6,5		
SPAU-...-N18FD-...-MxU		1/8NPT		min. 6,9		
SPAU-...-M7FD-...-MxU		M7		4)		

- 1) Thread length
- 2) Thread engagement length
- 3) Female (F)
- 4) To the stop

Dimensions

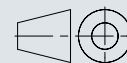
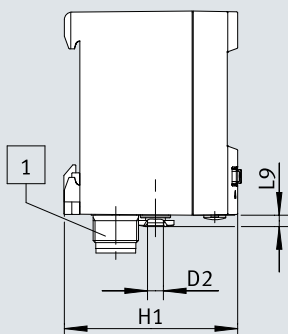
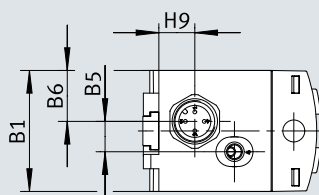
Dimensions – Connections SPAU-...-MxU Download CAD data www.festo.com



	B1	D2	H1	H9	L9
SPAU-...-Q4D-...-MxU	32	QS4	38,4	10	6,1
SPAU-...-Q6D-...-MxU		QS6			

Dimensions

Dimensions – Connections SPAU-...-MxD

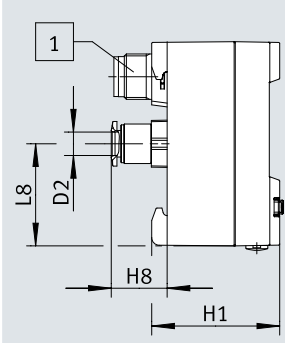
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[1] Connections SPAU-...-M12... M12, 4-pin; SPAU-...-M8... M8, 4-pin

	B1	B5	B6	D2	H1	H9	L9
SPAU-...-Q4D-...-MxD	32	8	13,5	QS4	45,9	9,5	3

Dimensions

Dimensions – Connections SPAU-...-Mx Download CAD data www.festo.com

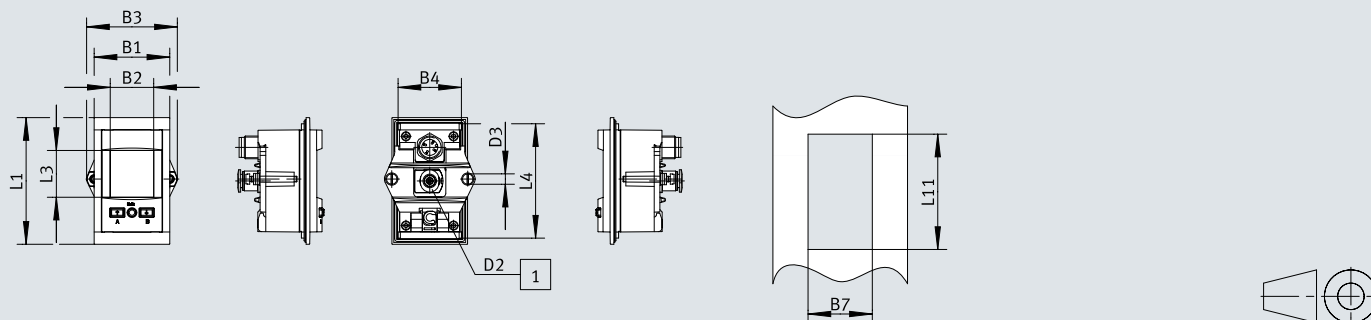


[1] Connections SPAU-...-M12... M12, 4-pin; SPAU-...-M8... M8, 4-pin

	D2	H1	H8	L8
SPAU-...-Q4-...-Mx	QS4	33,9	14,8	27
SPAU-...-Q6-...-Mx	QS6			

Dimensions

Dimensions – Front panel mounting

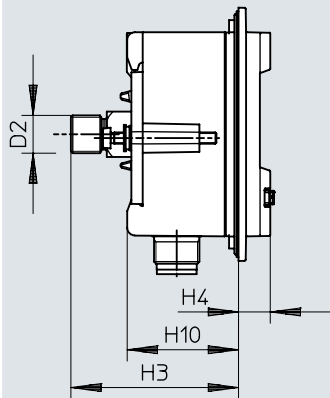
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[1] Compressed air supply port

	B1	B2	B3	B4	B7 ±0,3	D2	D3	L1	L3	L4	L11 ±0,3
SPAU-...-F-...18M-...-MxD	40	23	48	33,5	34	–	M3	67	24,8	60,5	61
SPAU-...-F-R14M-...-MxD	40	23	48	33,5	34	R1/8	M3	67	24,8	60,5	61
SPAU-...-F-M7F-...-MxD	40	23	48	33,5	34	M7	M3	67	24,8	60,5	61
SPAU-...-F-M5F-...-MxD	40	23	48	33,5	34	M5	M3	67	24,8	60,5	61
SPAU-...-F-...18M-...-MxU	40	23	48	33,5	34	–	M3	67	24,8	60,5	61
SPAU-...-F-R14M-...-MxU	40	23	48	33,5	34	R1/4	M3	67	24,8	60,5	61
SPAU-...-F-M7F-...-MxU	40	23	48	33,5	34	M7	M3	67	24,8	60,5	61
SPAU-...-F-M5F-...-MxU	40	23	48	33,5	34	M5	M3	67	24,8	60,5	61
SPAU-...-F-...18FD-...-MxU	40	23	48	33,5	34	–	M3	67	24,8	60,5	61
SPAU-...-F-M7FD-...-MxU	40	23	48	33,5	34	M7	M3	67	24,8	60,5	61

Dimensions

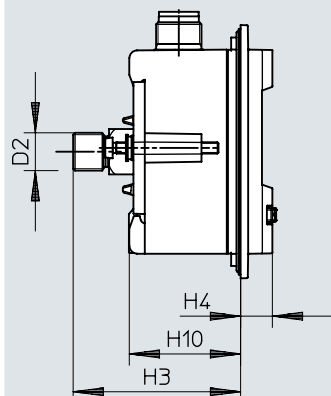
Dimensions – SPAU-...-F-...-MxD Download CAD data www.festo.com



	D2	H3	H4	H10
SPAU-...-F-...18M-...-MxD	–	44,4	8,4	29,5
SPAU-...-F-R14M-...-MxD	R1/8	48,4	8,4	29,5
SPAU-...-F-M7F-...-MxD	M7	28,4	8,4	29,5
SPAU-...-F-M5F-...-MxD	M5	–	8,4	29,5

Dimensions

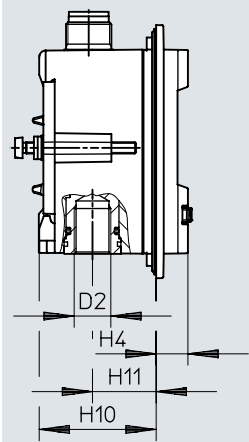
Dimensions – SPAU-...-F-...-MxU

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	D2	H3	H4	H10
SPAU-...-F-...18M-...-MxU	–	44,4	8,4	29,5
SPAU-...-F-R14M-...-MxU	R1/4	48,4	8,4	29,5
SPAU-...-F-M7F-...-MxU	M7	28,4	8,4	29,5
SPAU-...-F-M5F-...-MxU	M5	–	8,4	29,5

Dimensions

Dimensions – SPAU-...-F-... FD-...-MxU [Download CAD data](#) www.festo.com

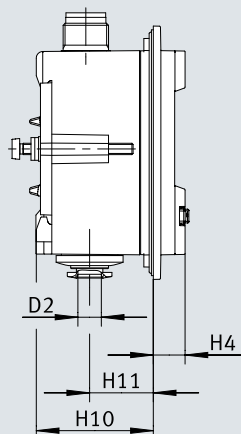


	D2	H4	H10	H11
SPAU-...-F-...18FD-...-MxU	–	8,4	31	16,9
SPAU-...-F-M7FD-...-MxU	M7	8,4	31	16,9

Dimensions

Dimensions – SPAU-...-...D-...-MxU

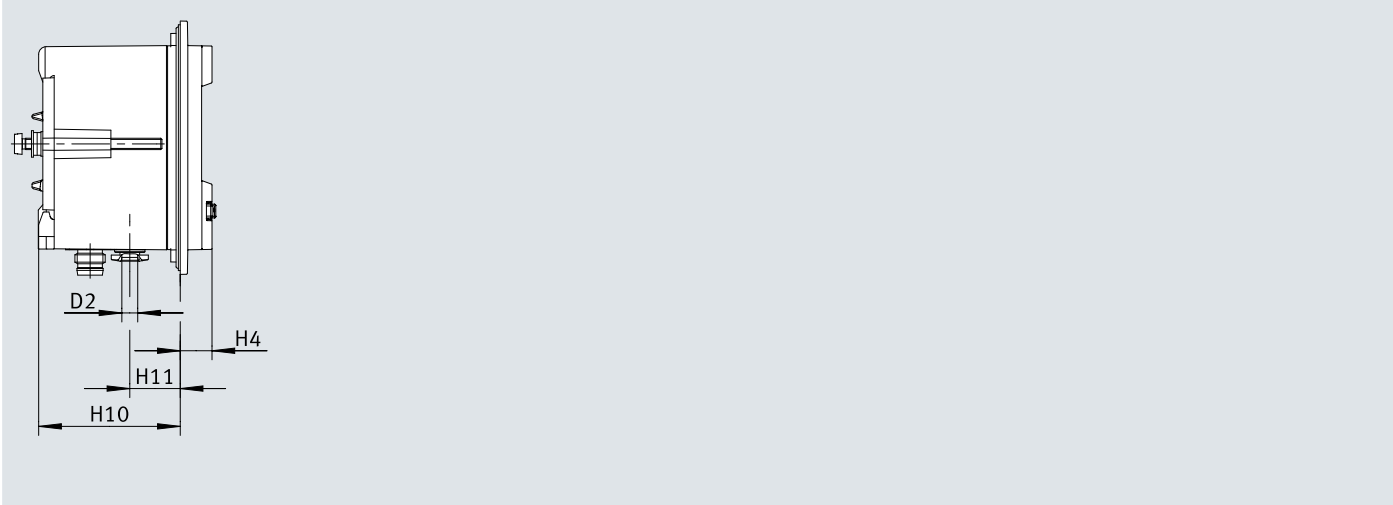
Download CAD data www.festo.com



	D2	H4	H10	H11
SPAU-...-F-Q4D-...-MxU	QS4	8,4	31	16,9
SPAU-...-F-Q6D-...-MxU	QS6			

Dimensions

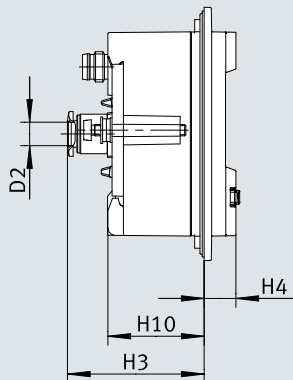
Dimensions – SPAU-...-D-...-MxD Download CAD data www.festo.com



	D2	H4	H10	H11
SPAU-...-F-Q4D-...-MxD	QS4	8,4	37,5	13,4

Dimensions

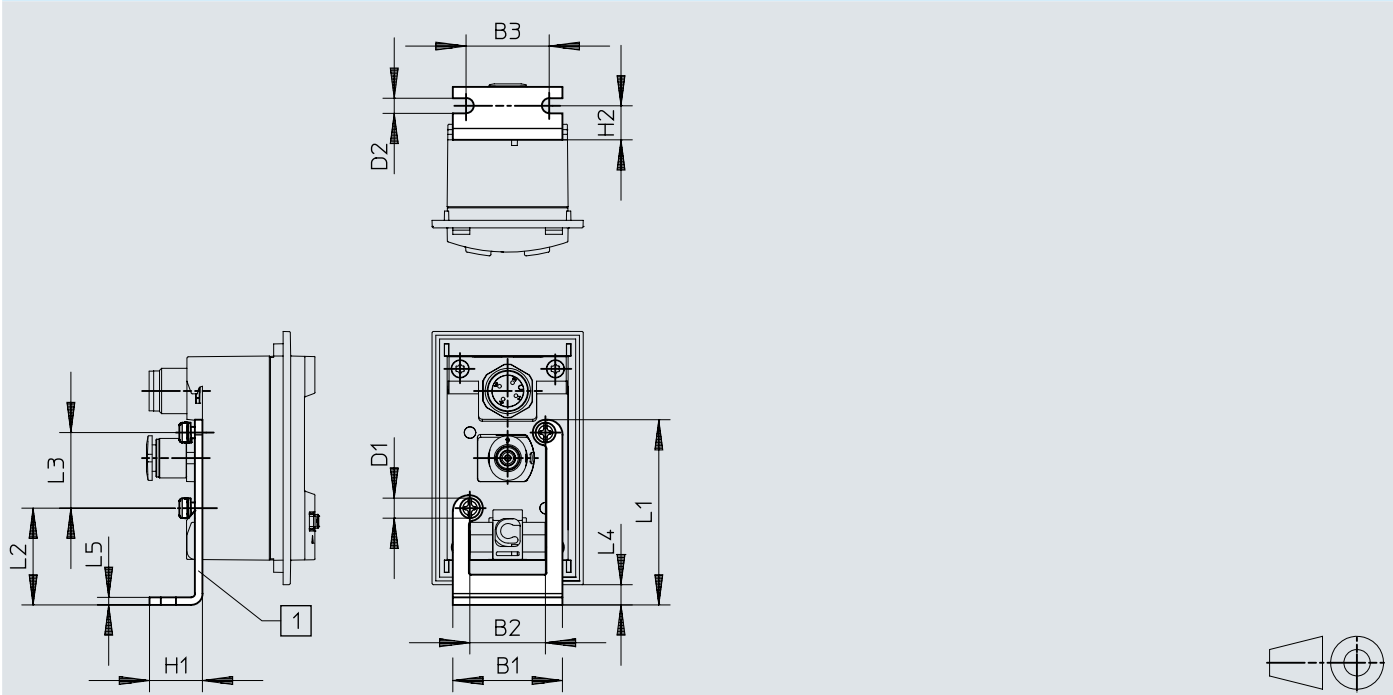
Dimensions – SPAU-...-Mx

[Download CAD data](#) www.festo.com


	D2	H3	H4	H10
SPAU-...-F-Q4-...-Mx	QS4	36,1	8,4	25,5
SPAU-...-F-Q6-...-Mx	QS6			

Dimensions

Dimensions – Mounting bracket SAMH-PU-A Download CAD data www.festo.com



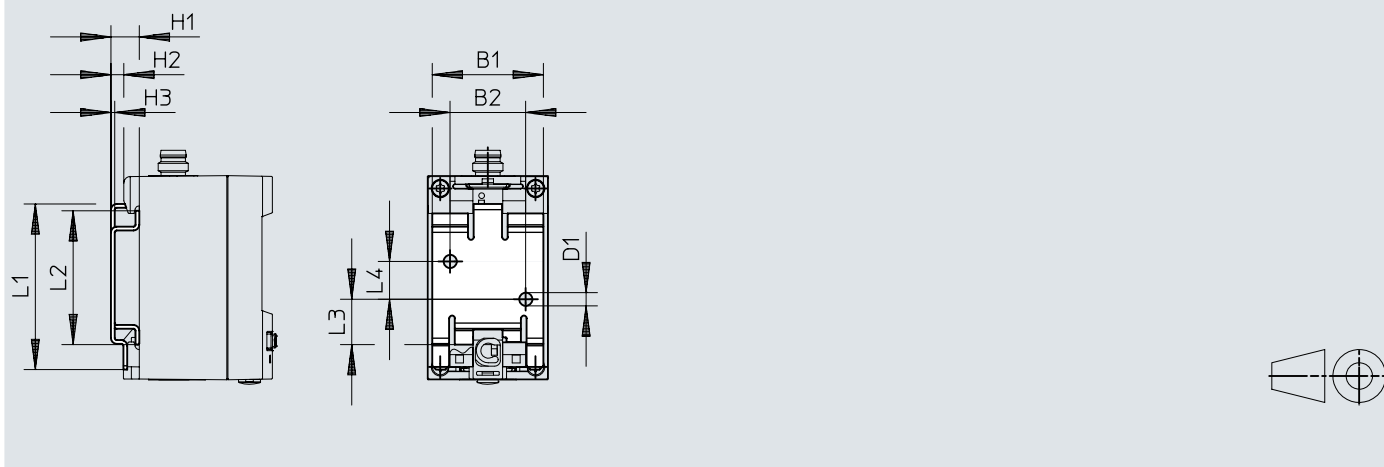
[1] Once mounted, the bracket can also be turned 180°

	B1	B2	B3	D1	D2 ∅	H1	H2	L1	L2	L3	L4	L5
SAMH-PU-A	29	20	22	M3x8	4	14	9	49	25,6	20	8,6	2

Dimensions

Dimensions – Wall mounting SAMH-PU-W

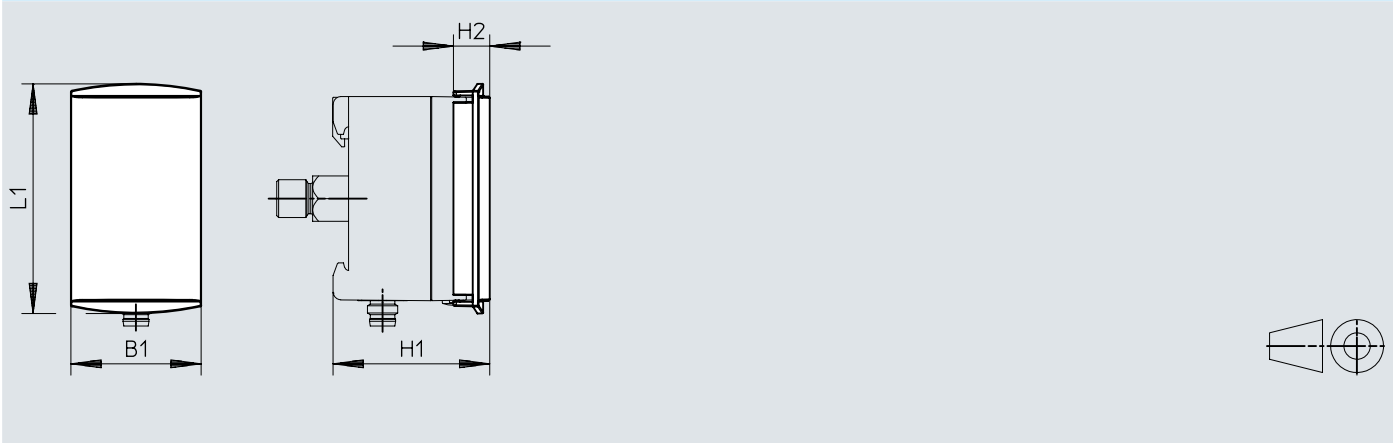
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	B1	B2	D1 ø	H1	H2	H3	L1	L2	L3	L4
SAMH-PU-W	29,4	20	3,5	7,5	3,4	1	43,8	35,4	12	10

Dimensions

Dimensions – Protective hood SACC-PU-G Download CAD data www.festo.com

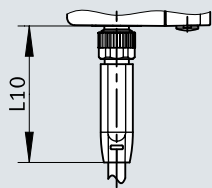


		B1	H1	H2	L1
SACC-PU-G	SPAU- ... R-T- ...	34,5	41,6	9,6	60,8
	SPAU- ... R-H- ... -D-L- ...		49,6		
	SPAU- ... R-H- ... -FD-L- ...		43,6		
	SPAU- ... R-F- ...		37,6		
	SPAU- ... R-W- ... -D-L- ...		43,6		
	SPAU- ... R-W- ... -FD-L- ...		49,6		

Dimensions

Dimensions – Connecting cables M8, straight socket

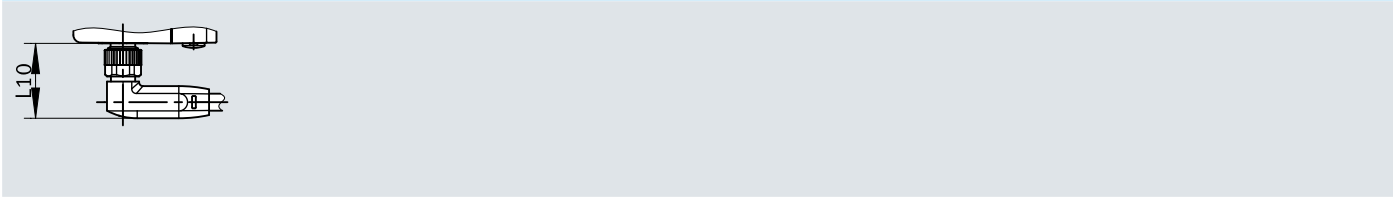
Download CAD data www.festo.com



		L10
NEBA-M8G4-U-2.5-N-LE4	M8	36,2
NEBA-M8G4-U-5-N-LE4		

Dimensions

Dimensions – Connecting cables M8, angled plug socket [Download CAD data](#) www.festo.com

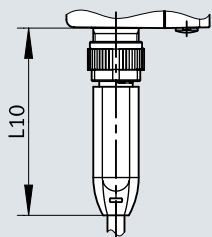


		L10
NEBA-M8W4-U-2.5-N-LE4	M8	19,9
NEBA-M8W4-U-5-N-LE4		

Dimensions

Dimensions – Connecting cables M12, straight socket

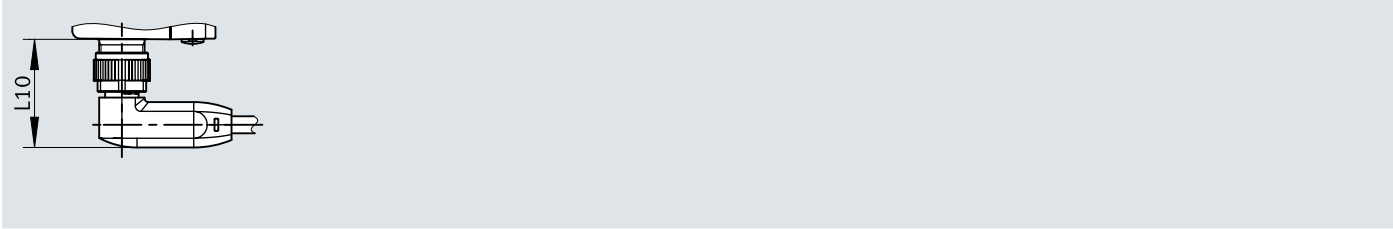
Download CAD data www.festo.com



		L10
NEBA-M12G5-U-2.5-N-LE4	M12	
NEBA-M12G5-U-5-N-LE4		49

Dimensions

Dimensions – Connecting cables M12, angled plug socket [Download CAD data](#) www.festo.com



		L10
NEBA-M12W5-U-2.5-N-LE4	M12	28,2
NEBA-M12W5-U-5-N-LE4		

Ordering data

Ordering data – With display, pressure measuring range -1 ... +1					
	Type of mounting	Pneumatic connection	Electrical connection 1, connector system	Part no.	Type
	With thread	R1/8	M8x1, A-coded, to EN 61076-2-104	8001207	SPAU-B2R-T-R18M-L-PNLK-PNVBA-M8D
	via DIN rail	G1/8		8001219	SPAU-B2R-H-G18FD-L-PNLK-PNVBA-M8U

Ordering data – with display, pressure measuring range -1 ... +10					
	Type of mounting	Pneumatic connection	Electrical connection 1, connector system	Part no.	Type
	With thread	G1/8	M12x1, A-coded to EN 61076-2-101	594864	SPAU-B11R-T-G18FD-L-PNLK-PNVBA-M12U
	via DIN rail			610566	SPAU-B11R-H-G18FD-L-PNLK-PNVBA-M12U
	Via wall/surface bracket	QS-6	M8x1, A-coded, to EN 61076-2-104	607216	SPAU-B11R-W-G18FD-L-PNLK-PNVBA-M12U
				610878	SPAU-B11R-W-Q6D-L-PNLK-PNVBA-M8U

Ordering data – With display, pressure measuring range 0 ... -1					
	Type of mounting	Pneumatic connection	Electrical connection 1, connector system	Part no.	Type
	Front panel mounting	QS-4	M12x1, A-coded to EN 61076-2-101	8001227	SPAU-V1R-F-Q4-L-PNLK-PNVBA-M12
		QS-6		8001228	SPAU-V1R-F-Q6-L-PNLK-PNVBA-M12
	via DIN rail	G1/8	M8x1, A-coded, to EN 61076-2-104	8001223	SPAU-V1R-H-G18FD-L-PNLK-PNVBA-M8U
				8001214	SPAU-V1R-H-Q4D-L-PNLK-PNVBA-M12D
		QS-4	M12x1, A-coded to EN 61076-2-101	8001213	SPAU-V1R-H-Q4D-L-PNLK-PNVBA-M8D
			M8x1, A-coded, to EN 61076-2-104	8187488	SPAU-V1R-W-Q6D-LK-A-M12U
	Via wall/surface bracket	G1/8	M12x1, A-coded to EN 61076-2-101	8001234	SPAU-V1R-W-G18FD-L-PNLK-PNVBA-M12U
			M8x1, A-coded, to EN 61076-2-104	8001235	SPAU-V1R-W-G18FD-L-PNLK-PNVBA-M8U
		QS-4	M12x1, A-coded to EN 61076-2-101	8001238	SPAU-V1R-W-Q4D-L-PNLK-PNVBA-M12D
			M8x1, A-coded, to EN 61076-2-104	8001239	SPAU-V1R-W-Q4D-L-PNLK-PNVBA-M8D

Ordering data - with display, pressure measuring range 0 ... 2					
	Type of mounting	Pneumatic connection	Electrical connection 1, connector system	Part no.	Type
	Via wall/surface bracket	G1/8	M8x1, A-coded, to EN 61076-2-104	8001232	SPAU-P2R-W-G18FD-L-PNLK-PNVBA-M8U

Ordering data - with display, pressure measuring range 0 ... 6					
	Type of mounting	Pneumatic connection	Electrical connection 1, connector system	Part no.	Type
	Via wall/surface bracket	G1/8	M8x1, A-coded, to EN 61076-2-104	8001233	SPAU-P6R-W-G18FD-L-PNLK-PNVBA-M8U

Ordering data

Ordering data – with display, pressure measuring range 0 ... 10

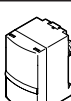
	Type of mounting	Pneumatic connection	Electrical connection 1, connector system	Part no.	Type	
	Front panel mounting	QS-4	M12x1, A-coded to EN 61076-2-101	8001224	SPAU-P10R-F-Q4-L-PNLK-PNVBA-M12	
		QS-6		8001225	SPAU-P10R-F-Q6-L-PNLK-PNVBA-M12	
	On service unit	Flange		8074906	SPAU-P10R-MS6-F-L-PNLK-PNVBA-M12D	
				8035304	SPAU-P10R-MS4-F-L-PNLK-PNVBA-M12D	
				8035303	SPAU-P10R-MS6-F-L-PNLK-PNVBA-M8D	
				8035302	SPAU-P10R-MS4-F-L-PNLK-PNVBA-M8D	
	With thread	G1/8	M12x1, A-coded to EN 61076-2-101	8001204	SPAU-P10R-T-G18M-L-PNLK-PNVBA-M12D	
				595878	SPAU-P10R-T-G18FD-L-PNLK-PNVBA-M12U	
			M8x1, A-coded, to EN 61076-2-104	8001201	SPAU-P10R-T-G18M-L-PNLK-PNVBA-M8D	
		R1/8	M12x1, A-coded to EN 61076-2-101	8001206	SPAU-P10R-T-R18M-L-PNLK-PNVBA-M12D	
			M8x1, A-coded, to EN 61076-2-104	8001203	SPAU-P10R-T-R18M-L-PNLK-PNVBA-M8D	
		R1/4	M12x1, A-coded to EN 61076-2-101	8001208	SPAU-P10R-T-R14M-L-PNLK-PNVBA-M12D	
			M8x1, A-coded, to EN 61076-2-104	8001209	SPAU-P10R-T-R14M-L-PNLK-PNVBA-M8D	
		1/8 NPT	M12x1, A-coded to EN 61076-2-101	8001205	SPAU-P10R-T-N18M-L-PNLK-PNVBA-M12D	
			M8x1, A-coded, to EN 61076-2-104	8001202	SPAU-P10R-T-N18M-L-PNLK-PNVBA-M8D	
		via DIN rail	G1/8	M12x1, A-coded to EN 61076-2-101	8001220	SPAU-P10R-H-G18FD-L-PNLK-PNVBA-M12U
				M8x1, A-coded, to EN 61076-2-104	8001221	SPAU-P10R-H-G18FD-L-PNLK-PNVBA-M8U
	QS-4		M12x1, A-coded to EN 61076-2-101	8001212	SPAU-P10R-H-Q4D-L-PNLK-PNVBA-M12D	
			M8x1, A-coded, to EN 61076-2-104	8001211	SPAU-P10R-H-Q4D-L-PNLK-PNVBA-M8D	
	Via wall/surface bracket	G1/8	M12x1, A-coded to EN 61076-2-101	8001230	SPAU-P10R-W-G18FD-L-PNLK-PNVBA-M12U	
			M8x1, A-coded, to EN 61076-2-104	8001231	SPAU-P10R-W-G18FD-L-PNLK-PNVBA-M8U	
		QS-4	M12x1, A-coded to EN 61076-2-101	8001236	SPAU-P10R-W-Q4D-L-PNLK-PNVBA-M12D	
			M8x1, A-coded, to EN 61076-2-104	8001237	SPAU-P10R-W-Q4D-L-PNLK-PNVBA-M8D	

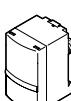
Ordering data – with display, pressure measuring range 0 ... 12

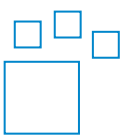
	Type of mounting	Pneumatic connection	Electrical connection 1, connector system	Part no.	Type
	With thread		M8x1, A-coded, to EN 61076-2-104	8184451	SPAU-P12R-T-R18M-L-PNLK-PNVBA-M8D
	via DIN rail	G1/8	M12x1, A-coded to EN 61076-2-101	8182149	SPAU-P12R-H-G18FD-L-PNLK-PNVBA-M12U

Ordering data

Ordering data – With display, pressure measuring range 0 ... 16					
	Type of mounting	Pneumatic connection	Electrical connection 1, connector system	Part no.	Type
	With thread	R1/4	M8x1, A-coded, to EN 61076-2-104	8001210	SPAU-P16R-T-R14M-L-PNLK-PNVBA-M8D
	via DIN rail	G1/8	M12x1, A-coded to EN 61076-2-101	8001222	SPAU-P16R-H-G18FD-L-PNLK-PNVBA-M12U

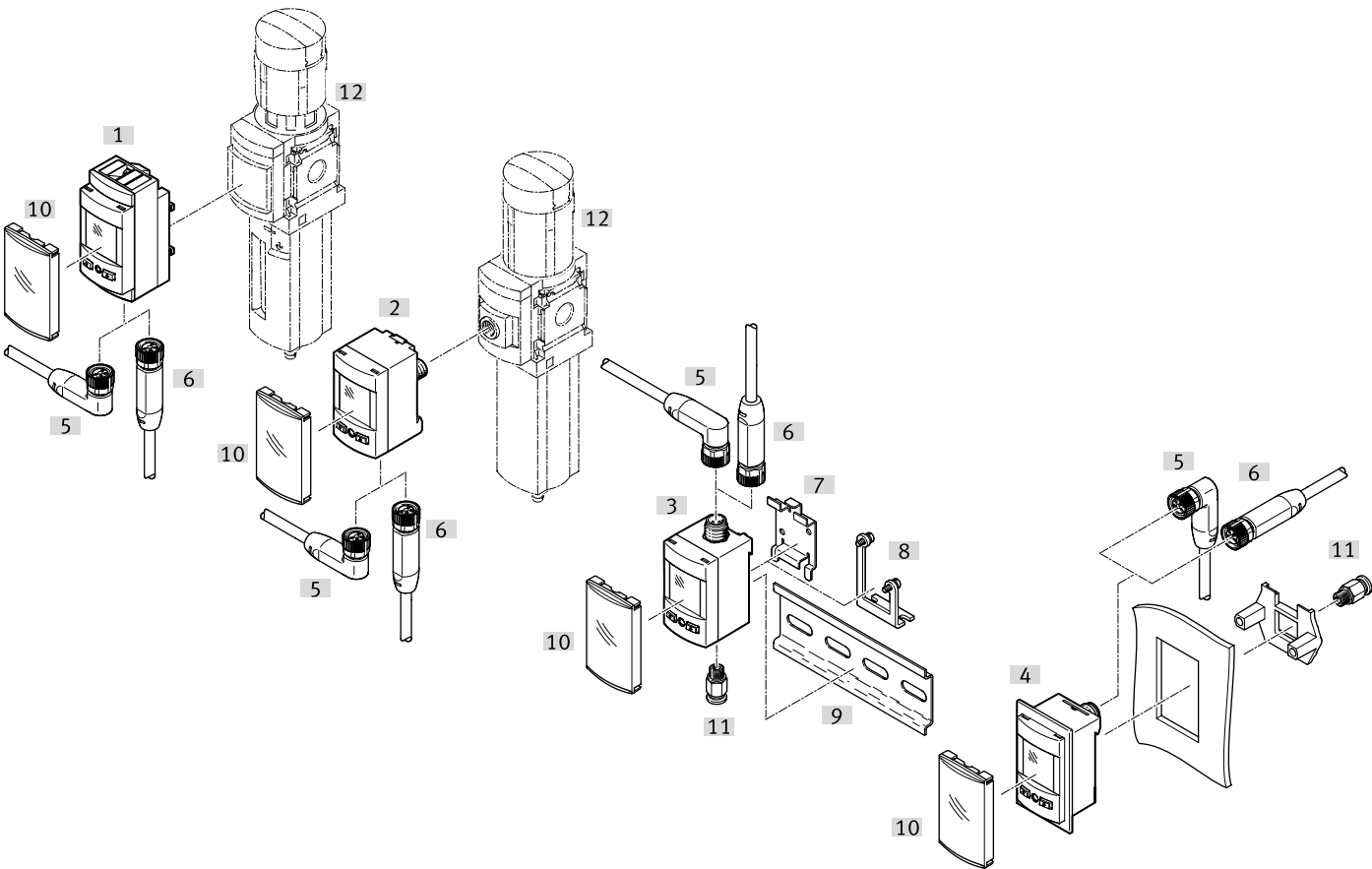
Ordering data – Without display, pressure measuring range 0 ... -1					
	Type of mounting	Pneumatic connection	Electrical connection 1, connector system	Part no.	Type
	With thread	G1/8	M12x1, A-coded to EN 61076-2-101	8003347	SPAU-V1R-T-G18M-LK-V-M12D
				8003348	SPAU-V1R-T-G18M-LK-A-M12D
	via DIN rail	QS-4		8003352	SPAU-V1R-H-Q4D-LK-A-M12D
				8003351	SPAU-V1R-H-Q4D-LK-V-M12D

Ordering data – Without display, pressure measuring range 0 ... 10					
	Type of mounting	Pneumatic connection	Electrical connection 1, connector system	Part no.	Type
	With thread	G1/8	M12x1, A-coded to EN 61076-2-101	8003346	SPAU-P10R-T-G18M-LK-A-M12D
				8003345	SPAU-P10R-T-G18M-LK-V-M12D
	via DIN rail	QS-4		8003349	SPAU-P10R-H-Q4D-LK-V-M12D
				8003350	SPAU-P10R-H-Q4D-LK-A-M12D

Ordering data – Modular product system					
	Type of mounting	Pneumatic connection	Electrical connection 1, connector system	Part no.	Type
	Either: Front panel mounting, On service unit, With thread, via DIN rail, Via wall/surface bracket	M5, M7, G1/8, R1/8, R1/4, 1/8 NPT, QS-4, QS-6, QS-5/32	M12x1, A-coded to EN 61076-2-101, M8x1, A-coded, to EN 61076-2-104	8001200	SPAU-

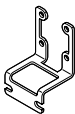
Peripherals

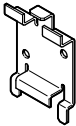
Peripherals overview

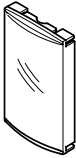


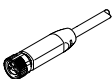
Accessories			→ Link
Type/order code	Description		
[1]	Pressure sensors SPAU	Display variants for MS service unit components	spau
[2]	Pressure sensors SPAU	Variants for threaded mounting	spau
[3]	Pressure sensors SPAU	Wall mounting or mounting bracket	spau
[4]	Pressure sensors SPAU	Variants for front panel mounting	spau
[5]	Connecting cable	Socket, angled M8x1	37
[5]	Connecting cable	Socket, angled M12x1	38
[6]	Connecting cable	Straight socket M8x1	37
[6]	Connecting cable	Straight socket M12x1	37
[7]	Wall mounting	SAMH-PU-W	37
[8]	Mounting bracket	SAMH-PU-A	37
[9]	DIN rail	To DIN EN 60715	nrh
[10]	Protective hood	SACC-PU-G	37
[11]	Pressure supply port	Push-in fitting	qs
[12]	Service unit component	MS4, MS6	ms4, ms6

Accessories

Mounting bracket SAMH-PU-A					
	Type of mounting	Information on materials	Corrosion resistance class CRC	Part no.	Type
	Via through-hole and screw	High-alloy stainless steel	2 - Moderate corrosion stress	8003354	SAMH-PU-A

Wall mounting SAMH-PU-W					
	Type of mounting	Information on materials	Corrosion resistance class CRC	Part no.	Type
	With through-hole	High-alloy stainless steel	2 - Moderate corrosion stress	8003355	SAMH-PU-W

Protective hood SACC-PU-G					
	Type of mounting	Information on materials	Corrosion resistance class CRC	Part no.	Type
	Latching	PA	2 - Moderate corrosion stress	8003353	SACC-PU-G

Connecting cables M8x1, straight socket					
	Electrical connection 1, number of connections/cores	Cable length		Part no.	Type
	4	2.5 m		8078227	NEBA-M8G4-U-2.5-N-LE4
		5 m		8078228	NEBA-M8G4-U-5-N-LE4

Connecting cables M8x1, angled plug socket					
	Electrical connection 1, number of connections/cores	Cable length		Part no.	Type
	4	2.5 m		8078233	NEBA-M8W4-U-2.5-N-LE4
		5 m		8078234	NEBA-M8W4-U-5-N-LE4

Connecting cables M12x1, straight socket					
	Electrical connection 1, number of connections/cores	Cable length		Part no.	Type
	5	2.5 m		8078239	NEBA-M12G5-U-2.5-N-LE4
		5 m		8078240	NEBA-M12G5-U-5-N-LE4

Accessories

Connecting cables, M12x1, angled socket				
	Electrical connection 1, number of connections/cores	Cable length	Part no.	Type
	5	2.5 m	8078248	NEBA-M12W5-U-2.5-N-LE4
		5 m	8078249	NEBA-M12W5-U-5-N-LE4