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Pressure sensors SDE1, with display



Pressure sensors SDE1, with display

Product range overview

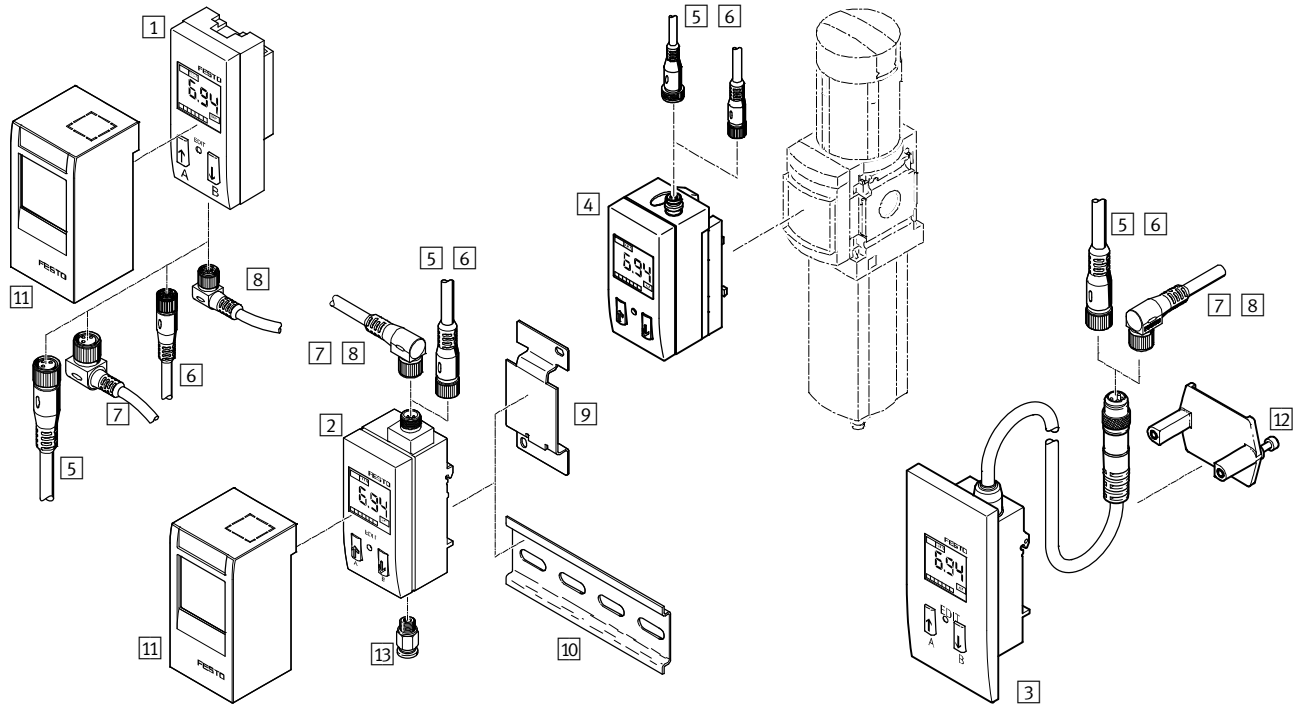
Method of measurement	Operating voltage [V DC]	Measured variable	Pressure measuring range [bar]	Pneumatic connection	Type of mounting	Electrical output	
						Digital	Analogue
Piezoresistive pressure sensor with display	15 … 30	Relative pressure Differential and relative pressure	–1 … 0, –1 … +1, 0 … 2, 0 … 6, 0 … 10	Male thread R⅛, R¼ Female thread G⅛ Push-in fitting for tubing O.D. 4 mm	On service unit, via H-rail, via wall/surface bracket, front panel mounting	PNP	–
						2x PNP	–
						PNP	0 … 10 V
						PNP	4 … 20 mA
						2x PNP	4 … 20 mA
						NPN	–
						2x NPN	–
						NPN	0 … 10 V
						NPN	4 … 20 mA

Variants

- LCD display with backlighting (optimised operation)
- Illuminated LCD display (optimised reading)
- Electrical output PNP, 2x PNP, NPN, 2x NPN, 0 … 10 V analogue, 4 … 20 mA analogue and combinations thereof
- Electrical connection with plug M8x1 or M12x1
- Connecting cable

Pressure sensors SDE1, with display

Peripherals overview



Mounting attachments and accessories		➔ Page/Internet
1	Pressure sensor SDE1-...-R18, SDE1-...-R14	5
2	Pressure sensor SDE1-...-H18, SDE1-...-W18	5
3	Pressure sensor SDE1-...-FQ4	5
4	Pressure sensor SDE1-...-MS...	5
5	Connecting cable NEBU-M12G...	14
6	Connecting cable, straight socket NEBU-M8G...	14
7	Connecting cable, angled socket NEBU-M12W...	14

Mounting attachments and accessories		➔ Page/Internet
8	Connecting cable NEBU-M8W... with angled socket	14
9	Adapter plate SDE1-...-W-...	14
10	Mounting rail to DIN EN 60715	nrh
11	Protective cover SDE1-SH	14
12	Clamping plate (included in the scope of delivery with SDE1-...-FQ4)	–
13	Push-in fitting QS-1⁄8	14

Pressure sensors SDE1, with display

Type codes

SDE1	–	D10	–	G2	–	W18	–	L	–	P1	–	M12	–	G5

Function	
SDE1	Pressure sensor with display

Pressure measuring range	
V1	−1 … 0 bar
B2	−1 … +1 bar
D2	0 … 2 bar
D6	0 … 6 bar
D10	0 … 10 bar

Absolute accuracy	
G2	Accuracy 2%

Pneumatic connection and mounting	
Measured variable: relative pressure	
R18	Male thread R1/8, mounting on service unit
R14	Male thread R1/4, mounting on service unit
MS4	Direct connection to MS4 series service units
MS6	Direct connection to MS6 series service units
H18	Female thread G1/8, H-rail mounting
W18	Female thread G1/8, wall or surface mounting
Measured variable: differential pressure and relative pressure	
FQ4	Push-in connector QS-4, front panel mounting
HQ4	Push-in connector QS-4, DIN H-rail mounting
WQ4	Push-in connector QS-4, wall or surface mounting

Display and setting	
C	LCD display with backlighting (optimised operation)
L	Illuminated LCD display (optimised reading)

Electrical output	
P1	1 switching output PNP
P2	2 switching outputs PNP
PU	1 switching output PNP and 0 … 10 V analogue
PI	1 switching output PNP and 4 … 20 mA analogue
2I	2 switching outputs PNP and 4 … 20 mA analogue
N1	1 switching output NPN
N2	2 switching outputs NPN
NU	1 switching output NPN and 0 … 10 V analogue
NI	1 switching output NPN and 4 … 20 mA analogue

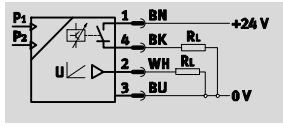
Electrical connection	
M8	Plug M8x1
M12	Plug M12x1

Electric accessories	
Connecting cable, straight plug socket	
G	2.5 m long
G5	5 m long
Connecting cable, angled plug socket	
W	2.5 m long
W5	5 m long

Pressure sensors SDE1, with display

Technical data

Function[1)]

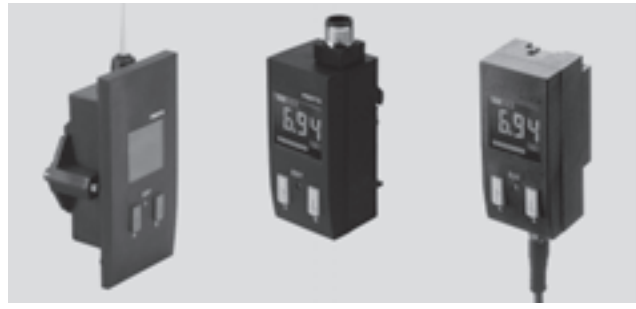


1) e.g. with 1 switching output PNP and 0 ... 10 V analogue

Voltage
15 ... 30 V DC

Pressure
–1 ... +10 bar

Temperature range
0 ... 50 °C



General technical data						
SDE1-...		-R...	-MS...	-H...	-W...	-F...
Certification		cULus recognized (OL)				–
		RCM trademark				
CE mark (see declaration of conformity)[1)]		To EU EMC Directive				
Note on materials		Free of copper and PTFE				
		RoHS-compliant				

1) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: www.festo.com/sp ➔ User documentation.
If the component is subject to restrictions on usage in residential, office or commercial environments or small businesses, further measures to reduce the emitted interference may be necessary.

Input signal/measuring element						
SDE1		-B2	-V1	-D2	-D6	-D10
Measured variable		Relative pressure				
		Differential pressure[2)]				
Method of measurement		Piezoresistive pressure sensor with display				
Operating medium		Compressed air in accordance with ISO 8573-1:2010 [7:4:4]				
Note on operating/pilot medium		Operation with lubricated medium possible (in which case lubricated operation will always be required)				
Pressure measuring range	[bar]	–1 ... +1	0 ... –1	0 ... 2	0 ... 6	0 ... 10
Temperature of medium	[°C]	0 ... 50				
Ambient temperature	[°C]	0 ... 50				

2) Versions with push-in connector QS-4

Output, general		
Accuracy FS[3)]	[%]	2

3) % FS = % of the measuring range (full scale)

Switching output		
Switching output		PNP
		NPN
Switching function		Freely programmable
Switching element function		Switchable
Reproducibility of switching value	[%]	0.3
Max. output current	[mA]	150

Analogue output		
Analogue output	[V]	0 ... 10
	[mA]	4 ... 20

Output, additional data	
Protection against short circuit	Pulsed

Pressure sensors SDE1, with display

Technical data

Electronic components		
Operating voltage range DC	[V]	15 ... 30
Reverse polarity protection		For all electrical connections

Electromechanical components			
SDE1-...		-M8	-M12
Electrical connection		Plug M8x1, 3-pin	Plug M12x1, 3-pin
		Plug M8x1, 4-pin	Plug M12x1, 4-pin
		–	Plug M12x1, 5-pin
		Round design	
		To EN 60947-5-2	

Mechanical components		
Type of mounting		Via H-rail
		Via wall/surface bracket
		On service unit
		Front panel mounting
Pneumatic connection		R1/8
		R1/4
		G1/8
		QS-4
Housing materials		PA, POM-reinforced

Note: This product conforms to ISO 1179-1 and to ISO 228-1

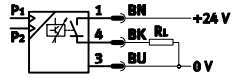
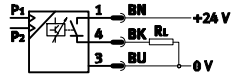
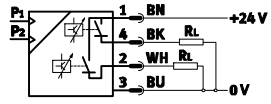
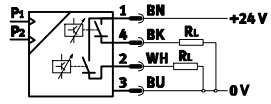
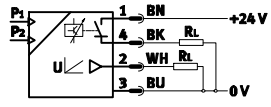
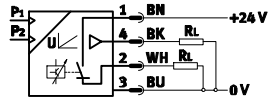
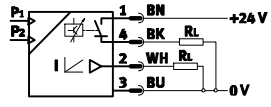
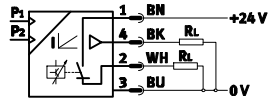
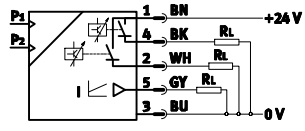
Display/operation		
Display type		Back illuminated LCD
		Illuminated LCD
Setting options		Teach-in
Threshold value setting range	[%]	2 ... 99.8
Hysteresis setting range	[%]	0 ... 90

Immissions/emissions	
Protection class	IP65
Corrosion resistance class CRC[4)]	2

4) Corrosion resistance class 2 according to Festo standard 940 070
Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

Pressure sensors SDE1, with display

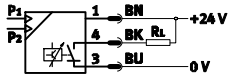
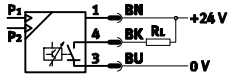
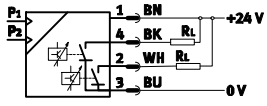
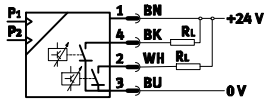
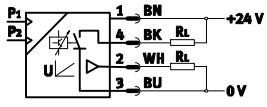
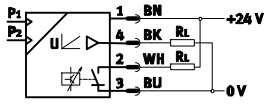
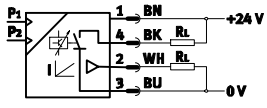
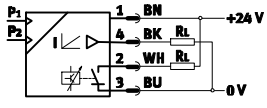
Technical data

Electrical outputs[1]		Pin allocations	
1 switching output PNP			
Variant P1 with plug M8		1 = +24 V 3 = 0 V 4 = Output A	
Variant P1 with plug M12		1 = +24 V 3 = 0 V 4 = Output A	
2 switching outputs PNP			
Variant P2 with plug M8		1 = +24 V 2 = Output B 3 = 0 V 4 = Output A	
Variant P2 with plug M12		1 = +24 V 2 = Output A 3 = 0 V 4 = Output B	
1 switching output PNP and 0 … 10 V analogue			
Variant PU with plug M8		1 = +24 V 2 = Output B (0 … 10 V analogue) 3 = 0 V 4 = Output A	
Variant PU with plug M12		1 = +24 V 2 = Output A 3 = 0 V 4 = Output B (0 … 10 V analogue)	
1 switching output PNP and 4 … 20 mA analogue			
Variant PI with plug M8		1 = +24 V 2 = Output B (4 … 20 mA analogue) 3 = 0 V 4 = Output A	
Variant PI with plug M12		1 = +24 V 2 = Output A 3 = 0 V 4 = Output B (4 … 20 mA analogue)	
2 switching outputs PNP and 4 … 20 mA analogue			
Variant 2I with plug M12		1 = +24 V 2 = Output B 3 = 0 V 4 = Output A 5 = Output C (4 … 20 mA analogue)	

1) Core colours indicated apply when using connecting cable NEBU.

Pressure sensors SDE1, with display

Technical data

Electrical outputs[1]		Pin allocations	
1 switching output NPN			
Variant N1 with plug M8		1 = +24 V 3 = 0 V 4 = Output A	
Variant N1 with plug M12		1 = +24 V 3 = 0 V 4 = Output A	
2 switching outputs NPN			
Variant N2 with plug M8		1 = +24 V 2 = Output B 3 = 0 V 4 = Output A	
Variant N2 with plug M12		1 = +24 V 2 = Output A 3 = 0 V 4 = Output B	
1 switching output NPN and 0 … 10 V analogue			
Variant NU with plug M8		1 = +24 V 2 = Output B (0 … 10 V analogue) 3 = 0 V 4 = Output A	
Variant NU with plug M12		1 = +24 V 2 = Output A 3 = 0 V 4 = Output B (0 … 10 V analogue)	
1 switching output NPN and 4 … 20 mA analogue			
Variant NI with plug M8		1 = +24 V 2 = Output B (4 … 20 mA analogue) 3 = 0 V 4 = Output A	
Variant NI with plug M12		1 = +24 V 2 = Output A 3 = 0 V 4 = Output B (4 … 20 mA analogue)	

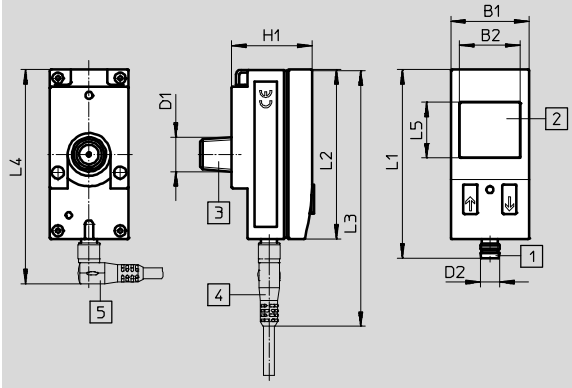
1) Core colours indicated apply when using connecting cable NEBU.

Pressure sensors SDE1, with display

Technical data

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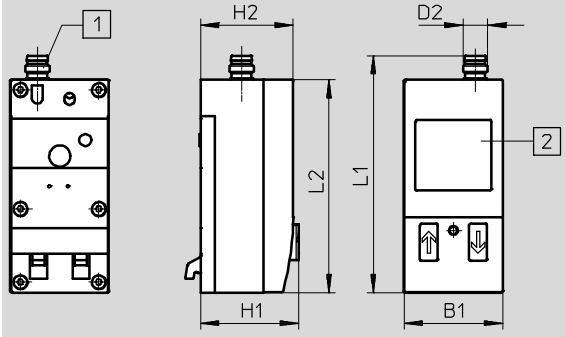
Dimensions – Mounting via male thread R⅛ or R¼



1 Plug to EN 60947-5-2
2 LCD display
3 Adapter for pneumatic connection
4 Straight socket
5 Angled socket

Type	B1	B2	D1	D2	H1	L1	L2	L3	L4	L5
SDE1-...-R18-M8	32.3	25	R⅛	M8	33	78	70	107	89	23
SDE1-...-R14-M8			R¼							
SDE1-...-R18-M12	32.3	25	R⅛	M12	33	87	70	125	103	23
SDE1-...-R14-M12			R¼							

Dimensions – Direct connection to MS4/6 series service units



1 Plug M8x1 or M12x1 to EN 60947-5-2
2 LCD display

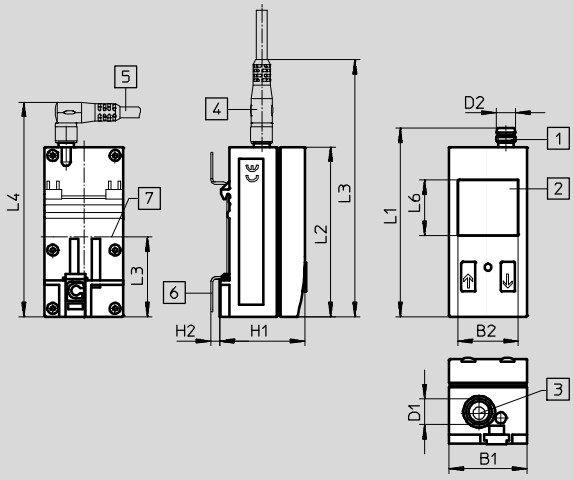
Type	B1	D2	H1	H2	L1	L2
SDE1-...-MS-...-M8	32.3	M8	32.1	30.4	78	70
SDE1-...-MS-...-M12		M12		32.3	87	

Pressure sensors SDE1, with display

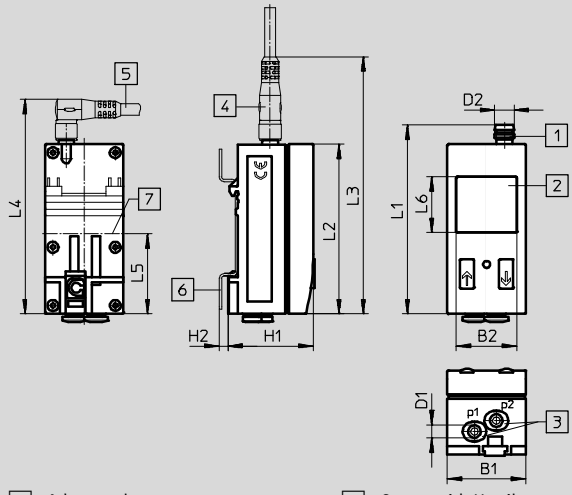
Technical data

Dimensions – H-rail, wall or surface mounting

Pneumatic connection G1⁄8



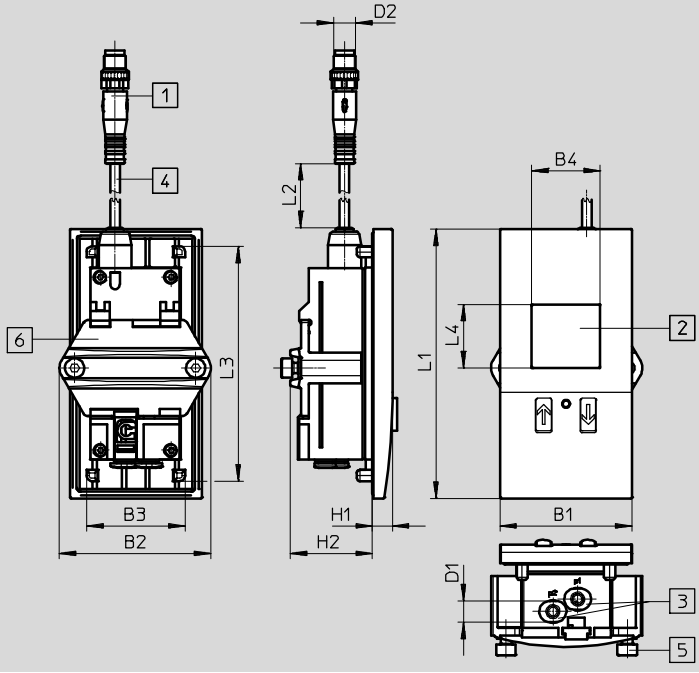
Pneumatic connection QS-4



1 Plug to EN 60947-5-2
2 LCD display
3 Pneumatic connection
4 Straight socket
5 Angled socket
6 Adapter plate for wall mounting
7 Centre with H-rail mounting

Type	B1	B2	D1	D2	H1	H2	L1	L2	L3	L4	L5	L6
SDE1-...-H18-...-M8	32.3	25	G1⁄8	M8	35.2	3.6	78	70	107	89	33	23
SDE1-...-W18-...-M8												
SDE1-...-H18-...-M12	32.3	25	G1⁄8	M12	35.2	3.6	87	70	125	103	33	23
SDE1-...-W18-...-M12												
SDE1-...-HQ4-...-M8	32.3	25	QS-4	M8	35.2	3.6	78	70	107	89	33	23
SDE1-...-WQ4-...-M8												

Dimensions – Panel mounting

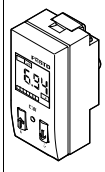
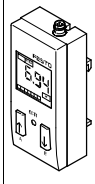
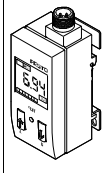


1 Plug M8x1 or M12x1 to EN 60947-5-2
2 LCD display
3 Pneumatic connection QS-4
4 Connecting cable
5 Mounting screw M4x25 to DIN 912
6 Clamping plate

Type	B1	B2	B3	B4	D1	D2	H1	H2	L1	L2	L3	L4
SDE1-...-FQ4-M8	48	55	35.8	25	QS-4	M8x1	8	30	98	320	85.3	23
SDE1-...-FQ4-M12						M12x1						

Pressure sensors SDE1, with display

Technical data

Ordering data – Measured variable: relative pressure							
Version	Pressure measuring range [bar]	Switching output	Analogue output	Electrical connection	Display type	Part No.	Type
	Male thread R⅛, mounting on D series service unit						
	0 … 10	PNP	–	Plug M8x1, 3-pin	LCD[1]	**192026**	**SDE1-D10-G2-R18-C-P1-M8**
					Illuminated LCD	**529970**	**SDE1-D10-G2-R18-L-P1-M8**
				Plug M12x1, 3-pin	Illuminated LCD	**534064**	**SDE1-D10-G2-R18-L-P1-M12**
		2x PNP	–	Plug M8x1, 4-pin	LCD[1]	**192027**	**SDE1-D10-G2-R18-C-P2-M8**
		PNP	0 … 10 V	Plug M8x1, 4-pin	LCD[1]	**529958**	**SDE1-D10-G2-R18-C-PU-M8**
					Illuminated LCD	**529972**	**SDE1-D10-G2-R18-L-PU-M8**
	Male thread R¼, mounting on D series service unit						
	0 … 10	PNP	–	Plug M8x1, 3-pin	LCD[1]	**192028**	**SDE1-D10-G2-R14-C-P1-M8**
					Illuminated LCD	**529967**	**SDE1-D10-G2-R14-L-P1-M8**
				Plug M12x1, 3-pin	Illuminated LCD	**534157**	**SDE1-D10-G2-R14-L-P1-M12**
		2x PNP	–	Plug M8x1, 4-pin	LCD[1]	**192029**	**SDE1-D10-G2-R14-C-P2-M8**
					Illuminated LCD	**529968**	**SDE1-D10-G2-R14-L-P2-M8**
		PNP	0 … 10 V	Plug M8x1, 4-pin	LCD[1]	**529957**	**SDE1-D10-G2-R14-C-PU-M8**
					Illuminated LCD	**529969**	**SDE1-D10-G2-R14-L-PU-M8**
	Female thread G⅛, H-rail mounting						
	0 … –1	PNP	–	Plug M8x1, 3-pin	LCD[1]	**192034**	**SDE1-V1-G2-H18-C-P1-M8**
					Illuminated LCD	**529973**	**SDE1-V1-G2-H18-L-P1-M8**
		2x PNP	–	Plug M8x1, 4-pin	LCD[1]	**192035**	**SDE1-V1-G2-H18-C-P2-M8**
					Illuminated LCD	**529974**	**SDE1-V1-G2-H18-L-P2-M8**
		PNP	0 … 10 V	Plug M8x1, 4-pin	LCD[1]	**529959**	**SDE1-V1-G2-H18-C-PU-M8**
					Illuminated LCD	**529975**	**SDE1-V1-G2-H18-L-PU-M8**
	0 … 10	PNP	–	Plug M8x1, 3-pin	LCD[1]	**192030**	**SDE1-D10-G2-H18-C-P1-M8**
					Illuminated LCD	**529961**	**SDE1-D10-G2-H18-L-P1-M8**
		2x PNP	–	Plug M8x1, 4-pin	LCD[1]	**192031**	**SDE1-D10-G2-H18-C-P2-M8**
					Illuminated LCD	**529962**	**SDE1-D10-G2-H18-L-P2-M8**
		PNP	0 … 10 V	Plug M8x1, 4-pin	LCD[1]	**529955**	**SDE1-D10-G2-H18-C-PU-M8**
					Illuminated LCD	**529963**	**SDE1-D10-G2-H18-L-PU-M8**
	Female thread G⅛, for wall or surface mounting[2]						
	0 … –1	PNP	–	Plug M12x1, 3-pin	Illuminated LCD	**534065**	**SDE1-V1-G2-W18-L-P1-M12**
		PNP	4 … 20 mA	Plug M8x1, 4-pin		**537022**	**SDE1-V1-G2-W18-L-PI-M8**
				Plug M12x1, 4-pin		**537023**	**SDE1-V1-G2-W18-L-PI-M12**
	0 … 2	PNP	–	Plug M8x1, 3-pin		**537024**	**SDE1-D2-G2-W18-L-P1-M8**
		2x PNP	–	Plug M8x1, 4-pin		**537025**	**SDE1-D2-G2-W18-L-P2-M8**
	0 … 6	PNP	–	Plug M8x1, 3-pin		**537026**	**SDE1-D6-G2-W18-L-P1-M8**
		2x PNP	–	Plug M8x1, 4-pin		**537027**	**SDE1-D6-G2-W18-L-P2-M8**
	0 … 10	PNP	–	Plug M12x1, 3-pin		**534063**	**SDE1-D10-G2-W18-L-P1-M12**
			0 … 10 V	Plug M8x1, 4-pin		**530900**	**SDE1-D10-G2-W18-L-PU-M8**
		2x PNP	4 … 20 mA	Plug M12x1, 5-pin		**534062**	**SDE1-D10-G2-W18-L-2I-M12**
		PNP	4 … 20 mA	Plug M8x1, 4-pin		**537020**	**SDE1-D10-G2-W18-L-PI-M8**
				Plug M12x1, 4-pin		**537021**	**SDE1-D10-G2-W18-L-PI-M12**

1) Back illuminated
2) Adapter plate SDE1-...-W... included in the scope of delivery.

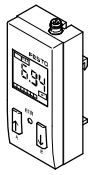
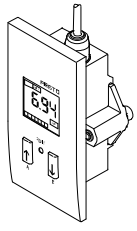
- Note

Additional variants and accessories can be configured and ordered through the SDE1 modular system
➔ 13.

Pressure sensors SDE1, with display

Technical data

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Ordering data – Measured variable: differential pressure and relative pressure							
Version	Pressure measuring range [bar]	Switching output	Analogue output	Electrical connection	Display type	Part No.	Type
	Push-in connector QS-4, for H-rail mounting						
	0 … –1	PNP	–	Plug M8x1, 3-pin	LCD[1]	**192036**	**SDE1-V1-G2-HQ4-C-P1-M8**
					Illuminated LCD	**529976**	**SDE1-V1-G2-HQ4-L-P1-M8**
		2x PNP	–	Plug M8x1, 4-pin	LCD[1]	**192037**	**SDE1-V1-G2-HQ4-C-P2-M8**
					Illuminated LCD	**529977**	**SDE1-V1-G2-HQ4-L-P2-M8**
	0 … 10	PNP	–	Plug M8x1, 3-pin	LCD[1]	**192032**	**SDE1-D10-G2-HQ4-C-P1-M8**
					Illuminated LCD	**529964**	**SDE1-D10-G2-HQ4-L-P1-M8**
		2x PNP	–	Plug M8x1, 4-pin	LCD[1]	**192033**	**SDE1-D10-G2-HQ4-C-P2-M8**
					Illuminated LCD	**529965**	**SDE1-D10-G2-HQ4-L-P2-M8**
		PNP	0 … 10 V	Plug M8x1, 4-pin	LCD[1]	**529956**	**SDE1-D10-G2-HQ4-C-PU-M8**
	Push-in connector QS-4, for H-rail, wall or surface mounting						
	0 … 2	2x PNP	–	Plug M8x1, 4-pin	LCD[1]	**535581**	**SDE1-D2-G2-WQ4-C-P2-M8**
	Push-in connector QS-4, for front panel mounting						
	0 … 10	PNP	–	Plug M8x1, 3-pin	Illuminated LCD	**537028**	**SDE1-D10-G2-FQ4-L-P1-M8**
				Plug M12x1, 3-pin		**537030**	**SDE1-D10-G2-FQ4-L-P1-M12**
		2x PNP	–	Plug M8x1, 4-pin		**537029**	**SDE1-D10-G2-FQ4-L-P2-M8**
				Plug M12x1, 4-pin		**537031**	**SDE1-D10-G2-FQ4-L-P2-M12**

1) Back illuminated

- Note

Additional variants and accessories can be configured and ordered through the SDE1 modular system
➔ 13.

Pressure sensors SDE1, with display

Modular product system

FESTO

M Mandatory data									O Options
Module No.	**Function**	**Pressure range**	**Absolute accuracy**	**Pneumatic connection and mounting**	**Display and setting**	**Electrical output**	**Electrical connection**		**Accessories: plug socket**
192766	SDE1	B2, V1, D2, D6, D10	G2	R18, R14, MS4, MS6, H18, W18, HQ4, WQ4, FQ4	C, L	P1, P2, PU, PI, N1, N2, NU, NI	M8, M12		G, W, G5, W5
Ordering example									
192766	**SDE1**	**– D6**	**– G2**	**– W18**	**– L**	**– P2**	**– M12**	**–**	**W5**

Ordering table

			Conditions	Code		Enter code
M	Module No.	**192766**				192766
	Function	Pressure sensor		**SDE1**		SDE1
	Pressure range	Pressure range –1 … 1 bar		**-B2**		
		Pressure range 0 … –1 bar		**-V1**		
		Pressure range 0 … 2 bar		**-D2**		
		Pressure range 0 … 6 bar		**-D6**		
		Pressure range 0 … 10 bar		**-D10**		
	Absolute accuracy	Accuracy 2%		**-G2**		-G2
	Pneumatic connection and mounting	Mounting R1⁄8 (service units)		**-R18**		
		Mounting R1⁄4 (service units)		**-R14**		
		Direct connection on MS4 series service units		**-MS4**		
		Direct connection on MS6 series service units		**-MS6**		
		Relative pressure with G1⁄8 connection for H-rail mounting		**-H18**		
		Relative pressure with G1⁄8 connection for wall/surface mounting		**-W18**		
		H-rail mounting, 4 mm push-in connector		**-HQ4**		
		Wall mounting, 4 mm push-in connector		**-WQ4**		
		Front panel mounting, 4 mm push-in connector		**-FQ4**		
	Display and setting	LCD display (optimised operation)		**-C**		
		Illuminated LCD (optimised reading)		**-L**		
	Electrical output	1 switch (PNP)		**-P1**		
		2 switches (PNP)		**-P2**		
		1 switch (PNP) and 0 … 10 V analogue		**-PU**		
		1 switch (PNP) and 4 … 20 mA analogue		**-PI**		
		1 switch (NPN)		**-N1**		
		2 switches (NPN)		**-N2**		
		1 switch (NPN) and 0 … 10 V analogue		**-NU**		
		1 switch (NPN) and 4 … 20 mA analogue		**-NI**		
	Electrical connection	Plug M8		**-M8**		
		Plug M12		**-M12**		
O	Accessories			-		-
	Electric accessories	Connecting cable, straight plug socket, 2.5 m	1	**G**		
		Connecting cable, angled plug socket, 2.5 m	1	**W**		
		Connecting cable, straight plug socket, 5 m		**G5**		
		Connecting cable, angled plug socket, 5 m		**W5**		

1 **G, W** Not with electrical connection M12 in combination with electrical output P2, PU, PI, N2, NU, NI.

Transfer order code

192766	**SDE1**	**–**		**–**	**G2**	**–**		**–**		**–**		**–**		**–**

Pressure sensors SDE1, with display

Accessories

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Ordering data – Connecting cables

Technical data ➔ Internet: nebu

	Number of wires	Cable length [m]	Part No.	Type
M8x1, straight socket				
	3	2.5	**541333**	**NEBU-M8G3-K-2.5-LE3**
		5	**541334**	**NEBU-M8G3-K-5-LE3**
	4	2.5	**541342**	**NEBU-M8G4-K-2.5-LE4**
		5	**541343**	**NEBU-M8G4-K-5-LE4**
M8x1, angled socket				
	3	2.5	**541338**	**NEBU-M8W3-K-2.5-LE3**
		5	**541341**	**NEBU-M8W3-K-5-LE3**
	4	2.5	**541344**	**NEBU-M8W4-K-2.5-LE4**
		5	**541345**	**NEBU-M8W4-K-5-LE4**

Ordering data – Connecting cables

Technical data ➔ Internet: nebu

	Number of wires	Cable length [m]	Part No.	Type
M12x1, straight socket				
	3	2.5	**541363**	**NEBU-M12G5-K-2.5-LE3**
		5	**541364**	**NEBU-M12G5-K-5-LE3**
	4	2.5	**550326**	**NEBU-M12G5-K-2.5-LE4**
		5	**541328**	**NEBU-M12G5-K-5-LE4**
	5	2.5	**541330**	**NEBU-M12G5-K-2.5-LE5**
		5	**541331**	**NEBU-M12G5-K-5-LE5**
M12x1, angled socket				
	3	2.5	**541367**	**NEBU-M12W5-K-2.5-LE3**
		5	**541370**	**NEBU-M12W5-K-5-LE3**
	4	2.5	**550325**	**NEBU-M12W5-K-2.5-LE4**
		5	**541329**	**NEBU-M12W5-K-5-LE4**

Ordering data – Accessories

	Part No.	Type
Adapter plate		
	**194297**	**SDE1-...-W-...**
Protective cover		
	**537074**	**SDE1-SH**

Ordering data – Push-in fittings

Technical data ➔ Internet: quick star

	For tubing O.D. [mm]	Part No.	Type
	4	**186095**	**QS-G⅛-4**
	6	**186096**	**QS-G⅛-6**
	8	**186098**	**QS-G⅛-8**

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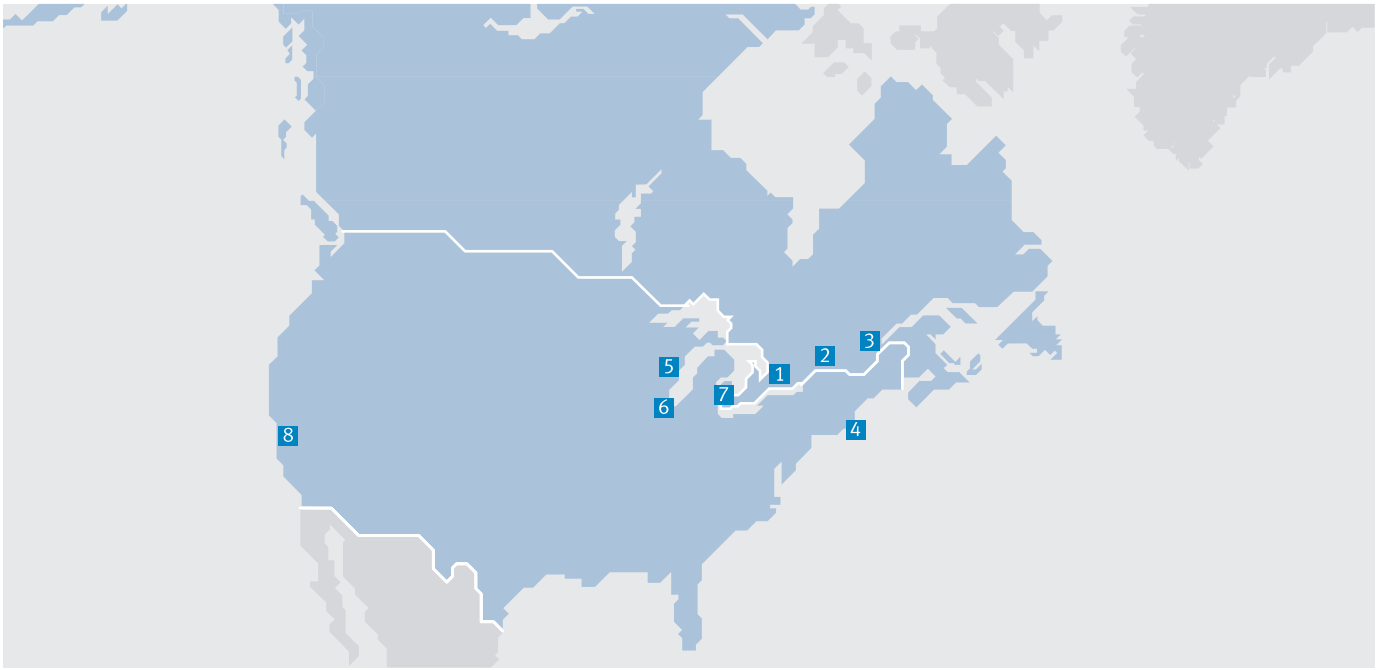
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