

Electronic pressure switch with display for sanitary applications

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Applications

- Food and beverage industry
- Pharmaceutical industry
- Filling and packing machinery
- Sanitary applications

Special features

- Easily-readable, robust display
- Intuitive and fast setup
- Easy and flexible mounting configurations



PSA-31 with Tri-Clamp DN 1 1/2"

Order numbers

Approval	3-A							
Medium temperature	-20 ... +100 °C (+135 °C max. 1h)							
Accuracy (analogue signal)	≤ ±1.0 % of span							
Power supply	DC 15 ... 35 V							
Output signal	two switching outputs (PNP) + 4 ... 20 mA							
Electrical connection	circular connector M12 x 1, 5-pin							
Process connection	Tri-clamp DN 1 1/2"	Tri-clamp DN 2"	Clamp DIN 32676 DN 32	Clamp DIN 32676 DN 40	G1, hygienic, flush, sealing: EPDM	Grooved union nut DIN 11851 DN 40	Grooved union nut DIN 11851 DN 50	
Pressure range	-1 ... +1,5 bar	14086990	14086997	14087040	14087051	14086973	14087012	14087019
	-1 ... +3 bar	45686335	14086999	14087041	14087053	14086975	14087013	14087020
	-1 ... +5 bar	14086991	14087001	14044883	14087054	14086979	14019816	14087023
	-1 ... +9 bar	47286121	45709407	14048150	14087055	14086982	43753329	71100768
	-1 ... +15 bar	14086992	14087004	14087042	14087056	14086983	14087014	14087025
	0 ... 1 bar	14041474	14081683	14013457	14013458	14037409	14013455	14013449
	0 ... 1.6 bar	14086984	14086994	14087026	14087044	45719526	14087008	30459346
	0 ... 2.5 bar	57271143	14081689	14087028	14087045	14086968	14081636	14081665
	0 ... 4 bar	14086985	14081697	14087029	14087046	14086969	14053046	14081670
	0 ... 6 bar	14047936	14081700	14087030	14087047	14061123	30527490	14081673
	0 ... 10 bar	46691812	14081701	14061581	14087048	57233888	14081639	14081677
0 ... 16 bar	45698798	14086996	14070386	14087049	14086971	14041354	14087018	

Legend: available from stock in Germany    available after production    -- not available

Quick order code (you can find further possible variants in data sheet PE 81.85)

Field no.	Code	Version
<b>Output signal/switching output</b>		
①	Q	2 PNP + 4 ... 20 mA
<b>Measuring range</b>		
②	BG310	0 ... 1 bar
	BG316	0 ... 1.6 bar
	BG325	0 ... 2.5 bar
	BG340	0 ... 4 bar
	BG360	0 ... 6 bar
	BG410	0 ... 10 bar
	BG416	0 ... 16 bar
	BG425	0 ... 25 bar
	BV310	-1 ... 0 bar
	BV325	-1 ... +1.5 bar
	BV340	-1 ... +3 bar
	BV360	-1 ... +5 bar
	BV410	-1 ... +9 bar
	BV416	-1 ... +15 bar
	BV425	-1 ... +24 bar
<b>Process connection</b>		
③	8EB	Hygienic, G 1, flush, Sealing: EPDM
	8EN	Hygienic, G 1, flush, Sealing: FPM/FKM
	SDZ	Grooved union nut DIN 11851 DN 40
	SEZ	Grooved union nut DIN 11851 DN 50
	96Z	Clamp DIN 32676 DN 32
	97Z	Clamp DIN 32676 DN 40
	98Z	Clamp DIN 32676 DN 50
	RTZ	Tri-clamp DN 1 1/2"
	SAZ	Tri-clamp DN 2"
<b>Connector</b>		
④	M5	M12 x 1, 5-pin

Order code: PSA-31- <sup>①</sup> Q - <sup>②</sup> - <sup>③</sup> - <sup>④</sup> M5 -W3-ZZ