

# pressure sensor SPAN-V1R-G18M-PN-PN-L1

Part number: 8035546

FESTO



## Data sheet

Feature	Value
Authorisation	RCM Mark c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC
Certificate issuing department	UL E322346
Materials note	Conforms to RoHS
Measured variable	Relative pressure
Measurement method	Piezoresistive pressure sensor
Pressure measuring range, initial value	0 bar
Pressure measuring range, final value	-1 bar
Overload range	5 bar
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases
Note on operating and pilot medium	Lubricated operation possible
Medium temperature	0 ... 50 °C
Ambient temperature	0 ... 50 °C
Accuracy, FS	1.5 %FS
Repetition accuracy in ± %FS	0.3 %FS
Temperature co-efficient in ± %FS/K	0.05 %FS/K
Switch output	2 x PNP or 2 x NPN switchable
Switching function	Window comparator Threshold value comparator Auto difference monitoring
Switching element function	N/C or N/O contact, switchable
Max. output current	100 mA
Short circuit strength	Yes
Operating voltage range DC	15 ... 30 V
Polarity protected	for all electrical connections
Electrical connection	Plug Cubic design 4-pin
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	Connection pattern L1J
Electrical connection 1, number of pins/wires	4
Mounting type	Front panel installation with thread with wall/surface fixing
Assembly position	Any
Pneumatic connection	Male thread G1/8 Female thread M5
Product weight	46 g
Material housing	PA-reinforced
Type of display	illuminated LCD
Unit(s) that can be displayed	MPa bar inchH2O inchHg

Feature	Value
	kPa kgf/cm <sup>2</sup> mmHg psi
Setting options	Teach-In Via display and buttons
Protection against manipulation	PIN-Code
Threshold value setting range	0 ... 100 %
Hysteresis setting range	0 ... 90 %
Protection class	IP40
Corrosion resistance classification CRC	2 - Moderate corrosion stress