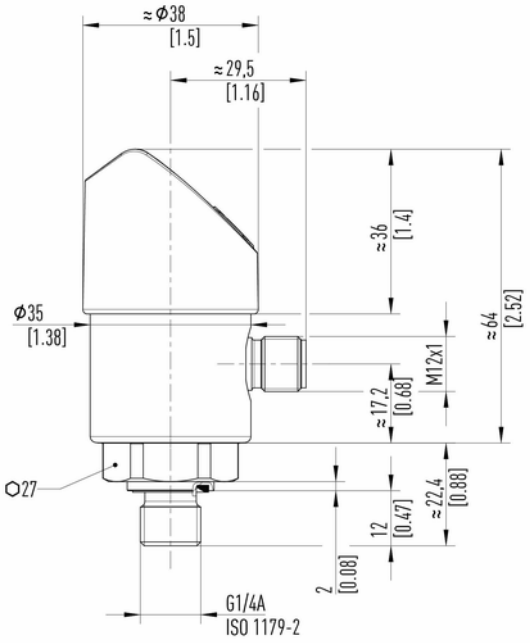
Electronic pressure switch with display

Modelcode type: PSD-4

Item number: 48792029

Electronic pressure switch with display	
Measuring range	-1...+1,5 bar gauge
Vacuum tightness	yes
DISPLAY	
Display	14-segment LED, red, 4-digit, 9 mm character size
OUTPUT SIGNAL	
Output signal	two switching output (PNP/NPN) + 4...20 mA/0…10 V
IO-Link	without
Switching function	Normally open, normally closed, window, hysteresis Freely adjustable
Switching Voltage	Power supply - 1 V
Switching current	max. 250 mA
Permissible load in ?	? 500? (4…20 mA) / > max. voltage output / 1 mA (0…10 V)
Settling time / Response time	? 5 ms
Power supply	15...35 V DC
ACCURACY INFORMATION	
Accuracy	± 0.5% of span
Long-term drift	0.10%
TEMPERATURE ERROR	
Temperature error 15 ... 25°C	No additional error
Temperature error in rated temperature range	maximum: ? ±1.5 % of span
OPERATING ENVIRONMENT CONDITIONS	
Media temperature	-20 … 85 °C (-4 ... +185 °F)



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Permissible ambient temperature	-20 ... +80 °C (-4 ... +176 °F)
Storage and transport temperature	-20 ... 70 °C (-4 ... +158 °F)
Vibration resistance	20 g, 10 ... 2.000 Hz (IEC 60068-2-6, under resonance)
Shock resistance	50 g, 6 ms (IEC 60068-2-27, mechanical)
Service life	100 million load cycles and switching cycles
MATERIALS	
Wetted parts	Stainless steel 316L
PROCESS CONNECTION	
Process connection	G 1/4 A DIN EN ISO 1179-2
Sealing	NBR
ELECTRICAL CONNECTION	
El. connection	Circular connector M12x1 (5-pin)
Ingress Protection	IP65 and IP67
pin assignment el. connection	U+=1, U-=3, S+=5, SP1=4, SP2=2
ELECTRICAL SAFETY	
Short-circuit resistance	S+ / SP1 / SP2 vs. U-
Reverse polarity protection	U+ vs. U-
Insulation voltage	DC 500 V
Overvoltage protection	DC 40 V
CE-CONFORMITY, APPROVALS AND CERTIFICATES	
CE conformity	DGRL EMV, EN 61326 Emission (Group 1, Class B) and Immunity (Industrial area)
RoHS conformity	Yes
China RoHS II	Yes
Specifications according to data sheet	PE 81.86
Approvals	cULus
Dimensions in mm (in)	

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