

IO-Link with Selectable Outputs IO-Link, 4...20mA or PNP/NPN Switching

- Can be operated in 3 operating modes: IO-Link, 4-20mA, and switching output (PNP/NPN) with alarm thresholds
- -58...248°F standard range
- Response time < 3.5 seconds
- Pressures up to 1450psi
- Adjustment of input signal filtering from 0.1s to 3.7s
- RGB LED indicators for status, errors & connection
- AISI 316L housing



About

The P67 is a versatile temperature transmitter designed for precise industrial temperature measurement. Featuring an IO-Link interface, 4-20mA loop-powered mode, and switching output (SIO), it offers seamless integration into modern automation systems. Constructed with a rugged stainless steel IP67-rated body, it includes an integrated probe and process connection with a G1/8" threaded connection as standard. Suitable for fluid temperature monitoring up to 248°F, it is an ideal choice for industrial, automation, and fluid processing applications.

Applications

- ✓ Chemical
- ✓ HVAC-R
- ✓ CNC machines
- ✓ Skid Packagers
- ✓ Test Benches
- ✓ Generators
- ✓ Compressors
- ✓ Food & beverage
- ✓ Pharmaceutical

Build Your Part Number

Series P67

Example: P67L2T15C

Series
P67

Probe Length - select one	
L1	13mm
L2	24mm

Calibrated Temperature Range -58 ...+662°F - select one	
TI	0...302°F factory calibrated default Note: can be scaled by user with PSRC1 configuration kit (see page 6) Note: from zero point to full span, minimum tolerance = 68°F
XX	Use "X...XXX" for custom ranges (Ex: ex: -0...+125°F / ex: -32...+95°F / ex: +25...400°F) Please inform range below part number Note: from zero point to full span, minimum tolerance = 68°F

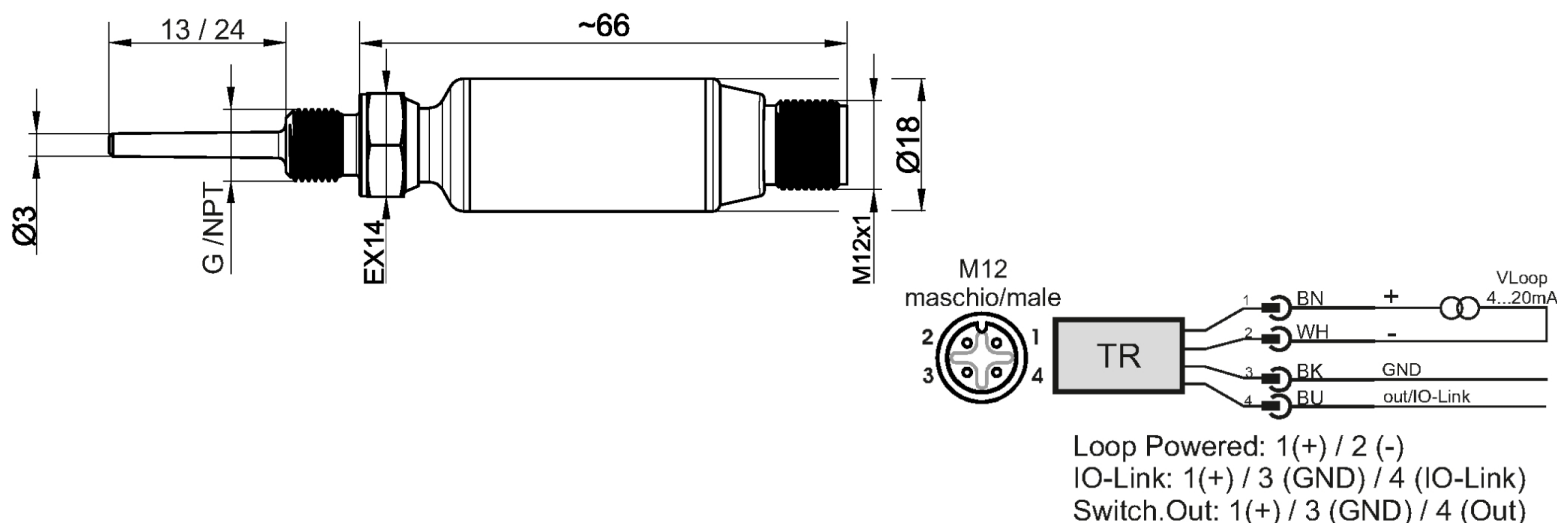
Process Connection - select one	
5A	1/8" NPT male
5C	1/4" NPT male
5M	G 1/8" male
5N	G1/4" male

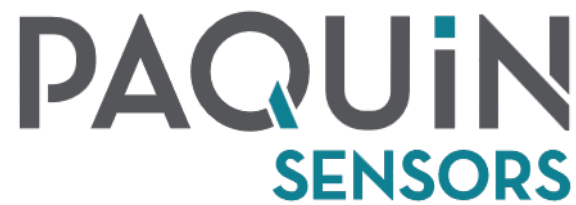
Mating Electrical Connection Assembly - optional; will be quoted as a separate line item	
Part#	
PSE1	M12x1, 5 pole – straight with cable gland (field wireable)
PSE2	M12x1, 5 pole - straight with 1 meter PUR cable
PSE3	M12x1, 5 pole - straight with 3 meter PUR cable
PSE4	M12x1, 5 pole - straight with 1 meter PUR shielded cable
PSE5	M12x1, 5 pole - straight with 3 meter PUR shielded cable
PSE6	M12x1, 5 pole - 90° (field wireable)
PSE7	M12x1, 5 pole - 90° with 1 meter PUR shielded cable
PSE8	M12x1, 5 pole - 90° with 3 meter PUR shielded cable

Technical Parameters

Technical Parameters		
Accuracy	PT100	Class A up to 572°F according to IEC 751
	Accuracy @ 77°F	Maximum value between ±0.15K and ±0.15% of span (Loop Powered operating mode) ±0.1K (IO-Link operating mode)
	Temp. influence deviation from 68°F	Max value between ±32.54°F/77°F and ±0.3% of span/77°F (Loop Powered operating mode) ±32.54°F (IO-Link and SIO operating mode)
	Long term stability	Max 0.1% of span per year
	Error compensation	Offset or over two points
	Response time	<5 seconds
	Input filter (time to reach 90% of signal)	Configurable from 0.1 ... 3.7 seconds
Electrical	Power supply	18-32 Vdc reverse polarity protection (IO-Link operating mode) 8-32 Vdc reverse polarity protection (Loop Powered operating mode)
	Output signal	Configurable between: 4÷20mA analogue signal; IO-Link; switching PNP or NPN output (SIO)
	Current Consumption	0.65 W (IO-Link operating mode) 0.8 W (SIO operating mode)
	Connection	M12X1, 4-pole
	Sensor open (break) or short circuit indication	According to NAMUR NE43, selectable between: Upper scale (≥ 21.0 mA) Lower scale (≤ 3,6 mA) (Loop Powered operating mode)
	Sensor input signal filter (*) (*) time to reach 90% of signal	Configurable from 0.1s to 3.7s
	Load	727Ω @ 24 Vdc [Rload= (Vpw. - 8) / 0,022] (Loop Powered operating mode)
	Range configurability	From -58...+230°F with P60 configuration kit
Environmental	Measurement temperature range	-58 ... 662°F
	Insulation resistance	100 M Ω @ 100 Vdc.
	Protection	IP67
	Humidity	0 ...100%
EMC	In accordance to	EN 61326-1 :2013 (CE)
	In accordance to	BS EN 61326-1 :2013 (UKCA)
Mechanical	Probe	AISI 316L
	Probe diameter	6mm 6mm tapered to 4.4mm
	Housing (connection body)	AISI 316L

Dimensions (mm)





Paquin Sensors' product portfolio is designed to provide options to fit the most diverse range of specifications.

We collaborate with our customers to match the best product technologies with your unique application requirements.

Please [contact us](#) or call +1 (800) 831-8217 anytime to discuss your needs!