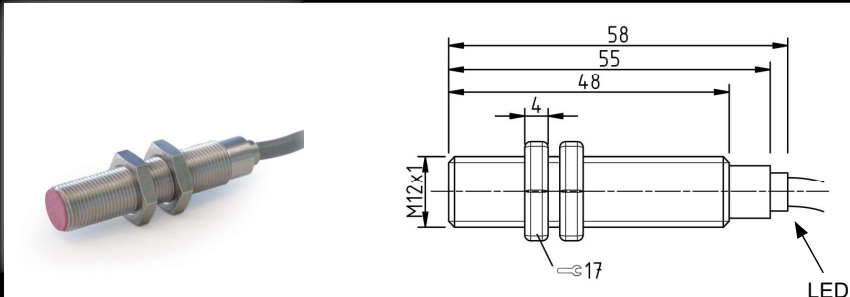


HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

Sensing Distance: 3mm - Housing Diameter: M12

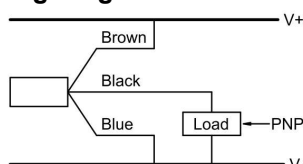
 <p>Dimensions are in mm.</p>	Technical Data:	with LED
	Mounting:	Shielded
	Sensing range in mm:	3
	Supply voltage:	10-35 VDC
	Output function:	N.O. or N.C.
	Load current:	120 mA
	Switching Frequency:	500 Hz
	Short circuit limit:	400 mA
	Cable:	PTFE
	Operating temperature:	-13 to 266 °F (-25 to 130 °C)
	Target size:	12 x 12 x 1 mm ST37
	Hysteresis:	3 to 15 %
	LED:	Yes
	Options:	Cable length, Cable type

Part Numbers:	
PNP/NO	IN3-12HTPS/L-130
PNP/NC	IN3-12HTPO/L-130
NPN/NO	IN3-12HTNS/L-130
NPN/NC	IN3-12HTNO/L-130

These sensors share the following specifications:

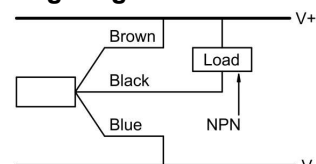
<ul style="list-style-type: none"> * The EMC (Electromagnetic Compatibility) resistance of the switches: IEC 61000-4-2 Level 2 IEC 61000-4-4 Level 2 IEC 61000-4-3 Level 2 IEC 60255-5 1 kV * Sensing range can vary +/-10 %. * Voltage spikes (300 V for 1 ms, 10 Hz) * All standard cables are 3 x 0.25 mm² and a length of 2 m +/-5 %. * Output capacity is 100 nF. * Storage temperature -13 °F to + 176 °F (-25 °C to 80 °C). * Relative humidity is 100 %. 	<ul style="list-style-type: none"> * Vibration resistant to 1 mm amplitude at 55 Hz. * Shock resistant to 10 g for a period of 11 ms. * Degree of protection (DIN 40 050) is IP67 (higher IP options may be available). * Reverse polarity protection is incorporated on the supply voltage. * Load resistor of 100 kOhm is incorporated. * Leakage current is 4 mA at 24 V supply voltage. * Residual ripple is 15 %. * Voltage drop is approximately 2 V when sensor is on. * Sensing face material is: LPC-Vectra.
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Wiring Diagram PNP NO/NC



Special types and
silicone free
versions are
available
upon request

Wiring Diagram NPN NO/NC



Design and technical details subject to change