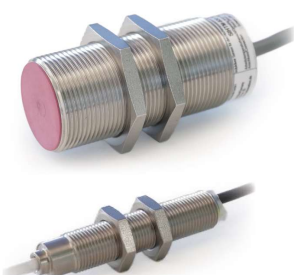
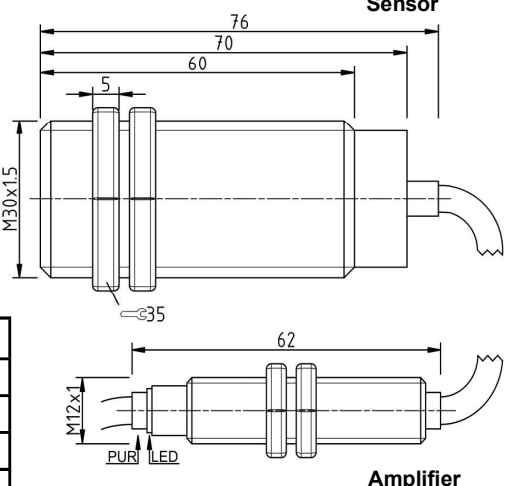


HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

Sensing Distance: 10 mm - Housing Diameter: M30

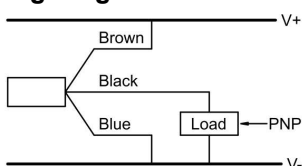
 <p>Dimensions are in mm.</p>		Technical Data:	External amplifier version																								
		<table border="1"> <tr> <td>Mounting:</td> <td>Shielded</td> </tr> <tr> <td>Sensing range in mm:</td> <td>10</td> </tr> <tr> <td>Supply voltage:</td> <td>10-35 VDC</td> </tr> <tr> <td>Output function:</td> <td>N.O. or N.C.</td> </tr> <tr> <td>Load current:</td> <td>120 mA</td> </tr> <tr> <td>Switching Frequency:</td> <td>200 Hz</td> </tr> <tr> <td>Short circuit limit:</td> <td>200 mA</td> </tr> <tr> <td>Cable:</td> <td>Sensor: PTFE, Amplifier: PUR</td> </tr> <tr> <td>Sensor operating temp.:</td> <td>-13 to 482 °F (-25 to 250 °C)</td> </tr> <tr> <td>Target size:</td> <td>30 x 30 x 1 mm ST37</td> </tr> <tr> <td>Hysteresis:</td> <td>3 to 15 %</td> </tr> <tr> <td>LED:</td> <td>Yes (on amplifier)</td> </tr> <tr> <td>Options:</td> <td>Cable length, Cable type</td> </tr> </table>	Mounting:	Shielded	Sensing range in mm:	10	Supply voltage:	10-35 VDC	Output function:	N.O. or N.C.	Load current:	120 mA	Switching Frequency:	200 Hz	Short circuit limit:	200 mA	Cable:	Sensor: PTFE, Amplifier: PUR	Sensor operating temp.:	-13 to 482 °F (-25 to 250 °C)	Target size:	30 x 30 x 1 mm ST37	Hysteresis:	3 to 15 %	LED:	Yes (on amplifier)	Options:
Mounting:	Shielded																										
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Part Numbers:	
PNP/NO	IN10-30HTPS-250EXT
PNP/NC	IN10-30HTPO-250EXT
NPN/NO	IN10-30HTNS-250EXT
NPN/NC	IN10-30HTNO-250EXT

These sensors share the following specifications:

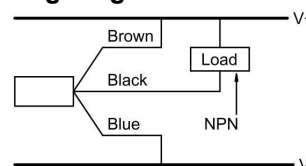
- | | |
|---|---|
| <ul style="list-style-type: none"> * The EMC (Electromagnetic Compatibility) resistance of the switches:
IEC 61000-4-2 Level 2 IEC 61000-4-4 Level 2
IEC 61000-4-3 Level 2 IEC 60255-5 1 kV * Sensing range can vary +/-10 %. * Voltage spikes (300 V for 1 ms, 10 Hz) * All standard cables 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 %. * Vibration resistant to 1 mm amplitude at 55 Hz. | <ul style="list-style-type: none"> * 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. * Temperature specification for external amplifier:
+14 to +158°F (-10 °C to 70 °C). |
|---|---|

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