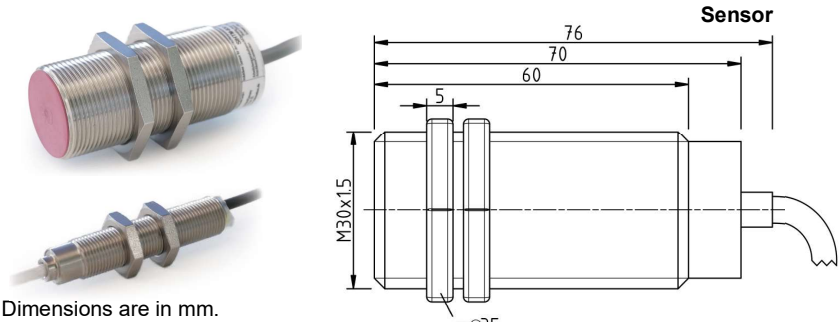


HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

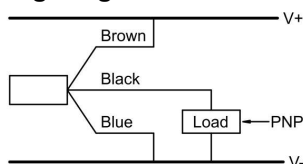
Sensing Distance: 10mm - Housing Diameter: M30

 <p>Dimensions are in mm.</p> <p>Part Numbers:</p> <table><tr><td>PNP/NO</td><td>IN10-30HTPS-230EXT</td></tr><tr><td>PNP/NC</td><td>IN10-30HTPO-230EXT</td></tr><tr><td>NPN/NO</td><td>IN10-30HTNS-230EXT</td></tr><tr><td>NPN/NC</td><td>IN10-30HTNO-230EXT</td></tr></table>		PNP/NO	IN10-30HTPS-230EXT	PNP/NC	IN10-30HTPO-230EXT	NPN/NO	IN10-30HTNS-230EXT	NPN/NC	IN10-30HTNO-230EXT	<table><tr><th>Technical Data:</th><th>External amplifier version</th></tr><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 446 °F (-25 to 230 °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>		Technical Data:	External amplifier version	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 446 °F (-25 to 230 °C)	Target size:	30 x 30 x 1 mm ST37	Hysteresis:	3 to 15 %	LED:	Yes (on amplifier)	Options:	Cable length, Cable type
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These sensors share the following specifications:

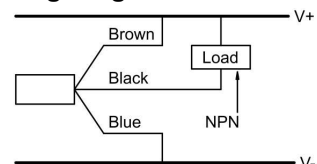
<ul style="list-style-type: none"> * The EMC (Electromagnetic Compatibility) resistance of the switches: <ul style="list-style-type: none"> IEC 61000-4-2 Level 2 IEC 61000-4-3 Level 2 IEC 61000-4-4 Level 2 IEC 60255-5 1 kV * Sensing range can vary +/-10 %. * Voltage spikes (300 V for 1 ms, 10 Hz) * All 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 aproximately 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).
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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