
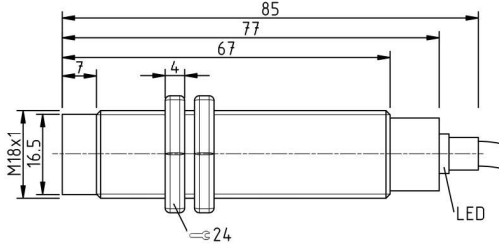


# HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

## Sensing Distance: 8mm - Housing Diameter: M18

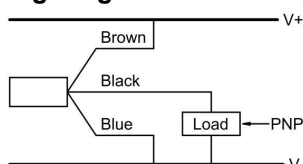
  <p>Dimensions are in mm.</p>		<b>Technical Data:</b>	<b>with LED</b>
		Mounting:	Unshielded
		Sensing range in mm:	8
		Supply voltage:	10-35 VDC
		Output function:	N.O. or N.C.
		Load current:	120 mA
		Switching Frequency:	400 Hz
		Short circuit limit:	200 mA
		Cable:	Silicone
		Operating temperature:	-13 to 266 °F (-25 to 130 °C)
		Target size:	18 x 18 x 1 mm ST37
		Hysteresis:	3 to 15 %
		LED:	Yes
		Options:	Cable length, Cable type

Part Numbers:	
PNP/NO	IN8-18HTPS/L-130
PNP/NC	IN8-18HTPO/L-130
NPN/NO	IN8-18HTNS/L-130
NPN/NC	IN8-18HTNO/L-130

### These sensors share the following specifications:

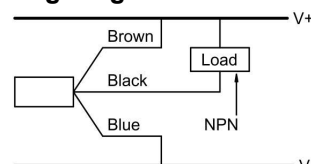
<ul style="list-style-type: none"> <li>* The EMC (Electromagnetic Compatibility) resistance of the switches: IEC 61000-4-2 Level 2 IEC 61000-4-4 Level 2 IEC 61000-4-3 Level 2 IEC 60255-5 1 kV</li> <li>* Sensing range can vary +/- 10 %.</li> <li>* Voltage spikes (300 V for 1 ms, 10 Hz)</li> <li>* All standard cables are 3 x 0.25 mm<sup>2</sup> and a length of 2 m +/- 5 %.</li> <li>* Output capacity is 100 nF.</li> <li>* Storage temperature -13 °F to + 176 °F (-25 °C to 80 °C).</li> <li>* Relative humidity is 100 %.</li> </ul>	<ul style="list-style-type: none"> <li>* Vibration resistant to 1 mm amplitude at 55 Hz.</li> <li>* Shock resistant to 10 g for a period of 11 ms.</li> <li>* Degree of protection (DIN 40 050) is IP67 (higher IP options may be available).</li> <li>* Reverse polarity protection is incorporated on the supply voltage.</li> <li>* Load resistor of 100 kOhm is incorporated.</li> <li>* Leakage current is 4 mA at 24 V supply voltage.</li> <li>* Residual ripple is 15 %.</li> <li>* Voltage drop is approximately 2 V when sensor is on.</li> <li>* Sensing face material is: LPC-Vectra.</li> </ul>
--	--

### 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