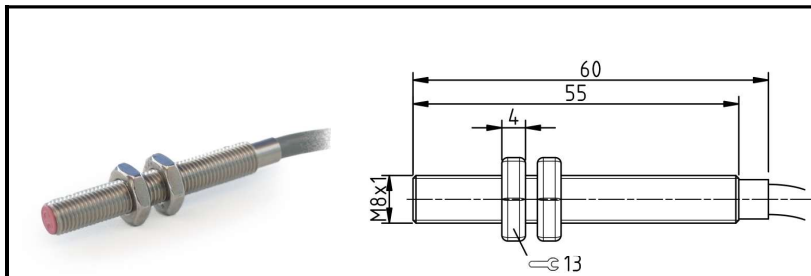


HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

Sensing Distance: 2 mm - Housing Diameter: M8



Dimensions are in mm.

Part Numbers:

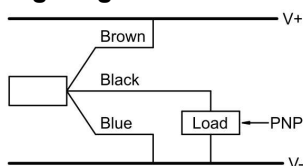
PNP/NO	IN2-8HTPS-140
NPN/NO	IN2-8HTNS-140

Technical Data:	
Mounting:	Shielded
Sensing range in mm:	2
Supply voltage:	10-35 VDC
Output function:	N.O.
Load current:	120 mA up to 266 °F (130 °C), 70 mA up to 284 °F (140 °C)
Switching Frequency:	800 Hz
Short circuit limit:	400 mA
Cable:	Silicone
Operating temperature:	-13 to 284 °F (-25 to 140 °C)
Target size:	8 x 8 x 1 mm ST37
Hysteresis:	3 to 15 %
LED:	No
Options:	Cable length, Cable type

This sensor has the following specifications:

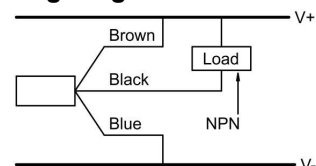
* The EMC (Electromagnetic Compatibility) resistance of the switches: IEC 61000-4-2 Level 2 IEC 61000-4-3 Level 2 IEC 61000-4-4 Level 2 IEC 60255-5 1 kV	* Vibration resistant to 1 mm amplitude at 55 Hz. * Shock resistant to 10 g for a period of 11 ms. * Degree of protection (DIN 40 050) is IP67 (higher 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



Special types and
silicone free
versions are
available
upon request

Wiring Diagram NPN NO



Design and technical details subject to change