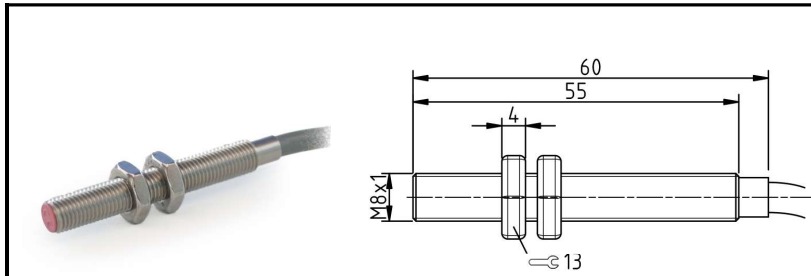


HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

Sensing Distance: **2 mm** - Housing Diameter: **M8**



Dimensions are in mm.

Part Numbers:

PNP/NO	IN2-8HTPS-140
PNP/NC	IN2-8HTPO-140
NPN/NO	IN2-8HTNS-140
NPN/NC	IN2-8HTNO-140

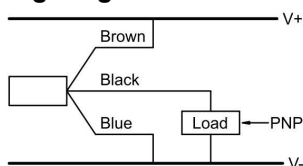
Technical Data:

Mounting:	Shielded
Sensing range in mm:	2
Supply voltage:	10-35 VDC
Output function:	N.O. or N.C.
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:

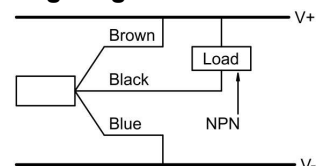
* The EMC (Electromagnetic Compatibility) resistance of the switches: IEC 61000-4-2 Level 2 IEC 61000-4-3 Level 2 IEC 61000-4-4 Level 2 IEC 60255-5 1 kV	* Vibration resistant to 1 mm amplitude at 55 Hz. * Shock resistant to 10 g for a period of 11 ms. * Degree of protection (DIN 40 050) is IP67 (higher 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.
* Sensing range can vary +/-10 %.	
* Voltage spikes (300 V for 1 ms, 10 Hz)	
* All standard cables are 3 x 0.25 mm ² 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 %.	

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

Locon Sensor Systems, Inc.

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

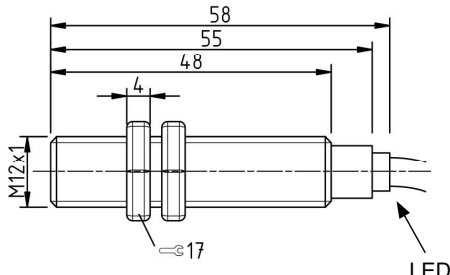
Sensing Distance: 3mm - Housing Diameter: M12



Dimensions are in mm.

Part Numbers:	
PNP/NO	IN3-12HTPS-150
PNP/NC	IN3-12HTPO-150
NPN/NO	IN3-12HTNS-150
NPN/NC	IN3-12HTNO-150

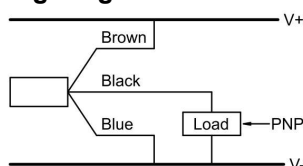
Technical Data:	
Mounting:	Shielded
Sensing range in mm:	3
Supply voltage:	10-35 VDC
Output function:	N.O. or N.C.
Load current:	120 mA up to 266 °F (130 °C), 70 mA up to 302 °F (150 °C)
Switching Frequency:	500 Hz
Short circuit limit:	400 mA
Cable:	Silicone
Operating temperature:	-13 to 302 °F (-25 to 150 °C)
Target size:	12 x 12 x 1 mm ST37
Hysteresis:	3 to 15 %
LED:	No
Options:	Cable length, Cable type

				Technical Data:	with LED
Dimensions are in mm.				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:	Silicone
				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

These sensors share the following specifications:

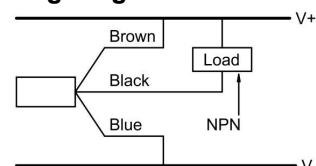
* The EMC (Electromagnetic Compatibility) resistance of the switches: IEC 61000-4-2 Level 2 IEC 61000-4-4 Level 2 IEC 61000-4-3 Level 2 IEC 60255-5 1 kV * Sensing range can vary +/-10 %. * Voltage spikes (300 V for 1 ms, 10 Hz) * All standard cables are 3 x 0.25 mm² and a length of 2 m +/-5 %. * Output 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. * 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.
---	--

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

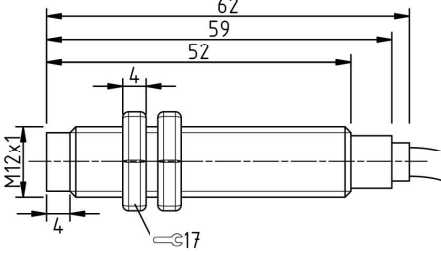
Locon Sensor Systems, Inc.

Toll-Free: 800-356-2661 · Phone: 419-740-8445 · Fax: 216-359-0077 · E-mail: sales@locon.net · Website: www.locon.net

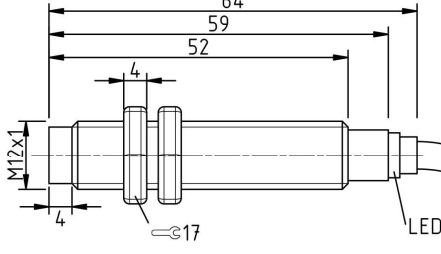
HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

Sensing Distance: 4mm - Housing Diameter: M12



  Dimensions are in mm.		Technical Data:	
		Mounting:	Unshielded
		Sensing range in mm:	4
		Supply voltage:	10-35 VDC
		Output function:	N.O. or N.C.
		Load current:	120 mA up to 266 °F (130 °C), 70 mA up to 302°F (150 °C)
		Switching Frequency:	500 Hz
		Short circuit limit:	400 mA
		Cable:	Silicone
		Operating temperature:	-13 to 302 °F (-25 to 150 °C)
		Target size:	12 x 12 x 1 mm ST37
		Hysteresis:	3 to 15 %
		LED:	No
		Options:	Cable length, Cable type

Part Numbers:	
PNP/NO	IN4-12HTPS-150
PNP/NC	IN4-12HTPO-150
NPN/NO	IN4-12HTNS-150
NPN/NC	IN4-12HTNO-150

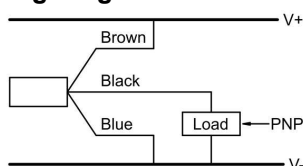
  Dimensions are in mm.		Technical Data:	with LED
		Mounting:	Unshielded
		Sensing range in mm:	4
		Supply voltage:	10-35 VDC
		Output function:	N.O. or N.C.
		Load current:	120 mA
		Switching Frequency:	500 Hz
		Short circuit limit:	400 mA
		Cable:	Silicone
		Operating temperature:	-13 to 266 °F (-25 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	IN4-12HTPS/L-130
PNP/NC	IN4-12HTPO/L-130
NPN/NO	IN4-12HTNS/L-130
NPN/NC	IN4-12HTNO/L-130

These sensors share the following specifications:

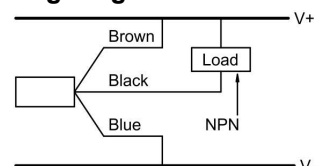
* The EMC (Electromagnetic Compatibility) resistance of the switches: IEC 61000-4-2 Level 2 IEC 61000-4-4 Level 2 IEC 61000-4-3 Level 2 IEC 60255-5 1 kV * Sensing range can vary +/-10 %. * Voltage spikes (300 V for 1 ms, 10 Hz) * All standard cables are 3 x 0.25 mm² and a length of 2 m +/-5 %. * Output 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. * 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.
--	--

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

Locon Sensor Systems, Inc.

Toll-Free: 800-356-2661 · Phone: 419-740-8445 · Fax: 216-359-0077 · E-mail: sales@locon.net · Website: www.locon.net

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

Sensing Distance: 5mm - Housing Diameter: M18



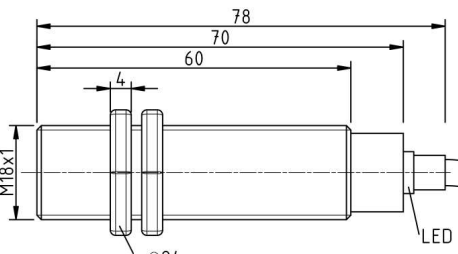
Dimensions are in mm.

Part Numbers:

PNP/NO	IN5-18HTPS-180
PNP/NC	IN5-18HTPO-180
NPN/NO	IN5-18HTNS-180
NPN/NC	IN5-18HTNO-180

Technical Data:

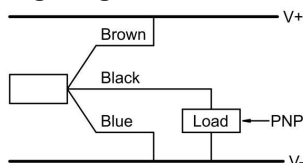
Mounting:	Shielded
Sensing range in mm:	5
Supply voltage:	10-35 VDC
Output function:	N.O. or N.C.
Load current:	120 mA
Switching Frequency:	400 Hz
Short circuit limit:	200 mA
Cable:	Silicone
Operating temperature:	-40 to 356 °F (-40 to 180 °C)
Target size:	18 x 18 x 1 mm ST37
Hysteresis:	2 to 20 %
LED:	No
Options:	Cable length, Cable type

				Technical Data:	with LED
Dimensions are in mm.				Mounting:	Shielded
				Sensing range in mm:	5
				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:	2 to 20 %
				LED:	Yes
				Options:	Cable length, Cable type

These sensors share the following specifications:

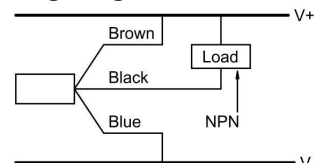
* The EMC (Electromagnetic Compatibility) resistance of the switches: IEC 61000-4-2 Level 2 IEC 61000-4-4 Level 2 IEC 61000-4-3 Level 2 IEC 60255-5 1 kV * Sensing range can vary +/-10 %. * Voltage spikes (300 V for 1 ms, 10 Hz) * All standard cables are 3 x 0.25 mm² and a length of 2 m +/-5 %. * Output 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. * 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.
--	--

Wiring Diagram PNP NO/NC



Special types and silicone free versions are available upon request

Wiring Diagram NPN NO/NC



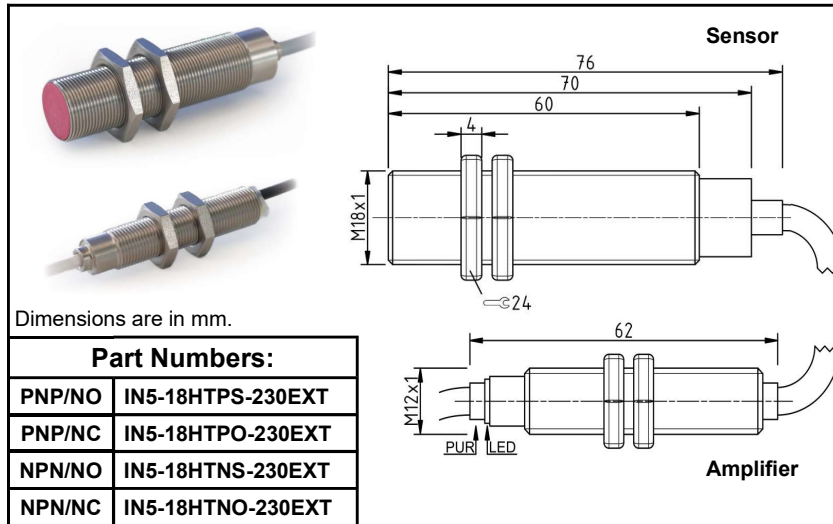
Design and technical details subject to change

Locon Sensor Systems, Inc.

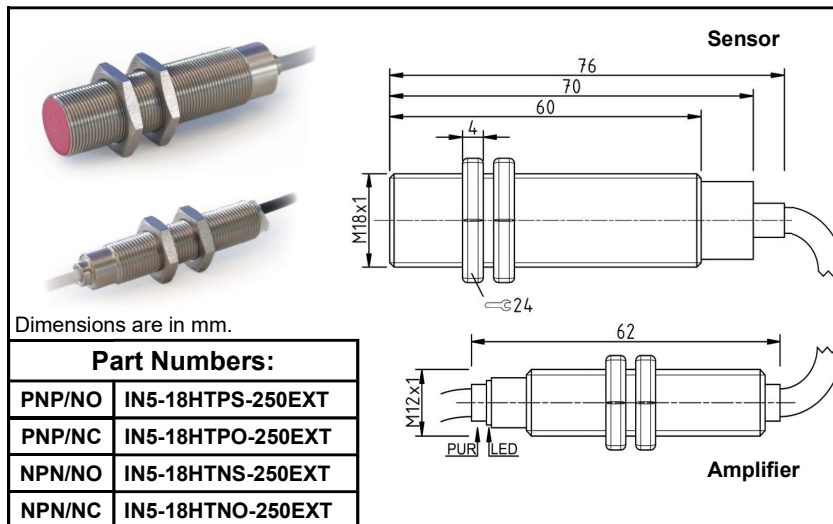
Toll-Free: 800-356-2661 · Phone: 419-740-8445 · Fax: 216-359-0077 · E-mail: sales@locon.net · Website: www.locon.net

High Temperature Inductive Proximity Sensors

Sensing Distance: 5mm - Housing Diameter: M18



Technical Data:	External amplifier version
Mounting:	Shielded
Sensing range in mm:	5
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:	Sensor: PTFE, Amplifier: PUR
Sensor operating temp.:	-13 to 446 °F (-25 to 230 °C)
Target size:	18 x 18 x 1 mm ST37
Hysteresis:	2 to 20 %
LED:	Yes (on amplifier)
Options:	Cable length, Cable type



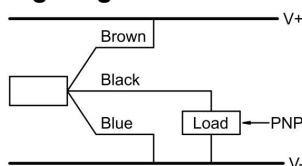
Technical Data:	External amplifier version
Mounting:	Shielded
Sensing range in mm:	5
Supply voltage:	10-35 VDC
Output function:	N.O. or N.C.
Load current:	120 mA
Switching Frequency:	400 Hz
Short circuit limit:	200 mA
Cable:	Sensor: PTFE, Amplifier: PUR
Sensor operating temp.:	-13 to 482 °F (-25 to 250 °C)
Target size:	18 x 18 x 1 mm ST37
Hysteresis:	2 to 20 %
LED:	Yes (on amplifier)
Options:	Cable length, Cable type

These sensors share 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
- * 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.

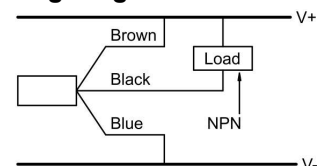
- * Shock resistant to 10 g for a period of 11 ms.
- * Degree of protection (DIN 40 050) is IP67 (higher IP options may be available).
- * Reverse polarity protection is incorporated on the supply voltage.
- * Load resistor of 100 kOhm is incorporated.
- * Leakage current is 4 mA at 24 V supply voltage.
- * 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



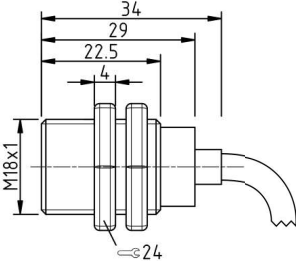
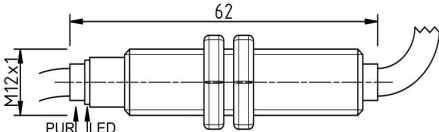
Design and technical details subject to change

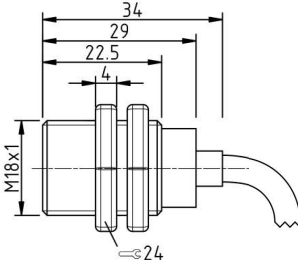
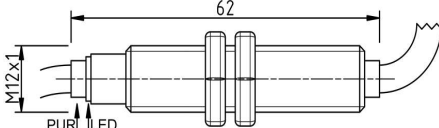
Locon Sensor Systems, Inc.

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

Sensing Distance: **5mm** - Housing Diameter: **M18**



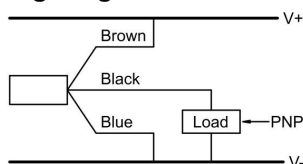
				Technical Data:		External amplifier version	
						Mounting: Shielded	
		Sensor				Sensing range in mm: 5	
						Supply voltage: 10-35 VDC	
						Output function: N.O. or N.C.	
						Load current: 120 mA	
						Switching Frequency: 400 Hz	
						Short circuit limit: 200 mA	
						Cable: Sensor: PTFE, Amplifier: PUR	
						Sensor operating temp.: -13 to 446 °F (-25 to 230 °C)	
						Target size: 18 x 18 x 1 mm ST37	
						Hysteresis: 2 to 20 %	
						LED: Yes (on amplifier)	
						Options: Cable length, Cable type	

			Sensor																											
Dimensions are in mm.			Amplifier																											
<table><tr><th colspan="2">Part Numbers:</th></tr><tr><td>PNP/NO</td><td>IN5-1835HTPS-250EXT</td></tr><tr><td>PNP/NC</td><td>IN5-1835HTPO-250EXT</td></tr><tr><td>NPN/NO</td><td>IN5-1835HTNS-250EXT</td></tr><tr><td>NPN/NC</td><td>IN5-1835HTNO-250EXT</td></tr></table>				Part Numbers:		PNP/NO	IN5-1835HTPS-250EXT	PNP/NC	IN5-1835HTPO-250EXT	NPN/NO	IN5-1835HTNS-250EXT	NPN/NC	IN5-1835HTNO-250EXT																	
Part Numbers:																														
PNP/NO	IN5-1835HTPS-250EXT																													
PNP/NC	IN5-1835HTPO-250EXT																													
NPN/NO	IN5-1835HTNS-250EXT																													
NPN/NC	IN5-1835HTNO-250EXT																													
		<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>5</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>400 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>18 x 18 x 1 mm ST37</td></tr><tr><td>Hysteresis:</td><td>2 to 20 %</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:	5	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:	Sensor: PTFE, Amplifier: PUR	Sensor operating temp.:	-13 to 482 °F (-25 to 250 °C)	Target size:	18 x 18 x 1 mm ST37	Hysteresis:	2 to 20 %	LED:	Yes (on amplifier)	Options:	Cable length, Cable type
Technical Data:	External amplifier version																													
Mounting:	Shielded																													
Sensing range in mm:	5																													
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:	Sensor: PTFE, Amplifier: PUR																													
Sensor operating temp.:	-13 to 482 °F (-25 to 250 °C)																													
Target size:	18 x 18 x 1 mm ST37																													
Hysteresis:	2 to 20 %																													
LED:	Yes (on amplifier)																													
Options:	Cable length, Cable type																													

These sensors share the following specifications:

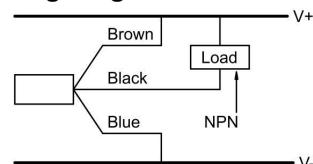
- | | |
|---|---|
| <ul style="list-style-type: none"> * The EMC (Electromagnetic Compatibility) resistance of the switches:
IEC 61000-4-2 Level 2 IEC 61000-4-4 Level 2
IEC 61000-4-3 Level 2 IEC 60255-5 1 kV * Sensing range can vary +/-10 %. * Voltage spikes (300 V for 1 ms, 10 Hz) * All standard cables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

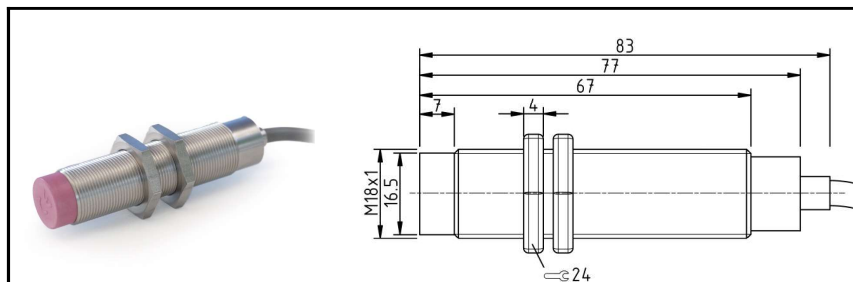


Design and technical details subject to change

Locon Sensor Systems, Inc.

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

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



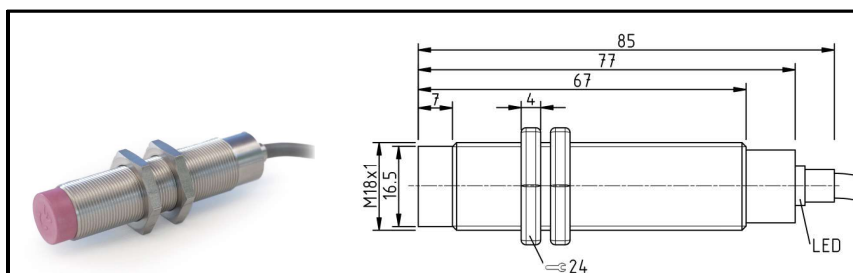
Dimensions are in mm.

Part Numbers:

PNP/NO	IN8-18HTPS-180
PNP/NC	IN8-18HTPO-180
NPN/NO	IN8-18HTNS-180
NPN/NC	IN8-18HTNO-180

Technical Data:

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 356 °F (-25 to 180 °C)
Target size:	18 x 18 x 1 mm ST37
Hysteresis:	3 to 15 %
LED:	No
Options:	Cable length, Cable type



Dimensions are in mm.

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

Technical Data:

with LED

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

These sensors share the following specifications:

* 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.

* 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.

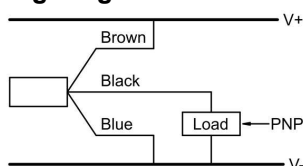
* Leakage current is 4 mA at 24 V supply voltage.

* Residual ripple is 15 %.

* Voltage drop is approximately 2 V when sensor is on.

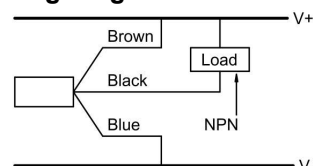
* Sensing face material is: LPC-Vectra.

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

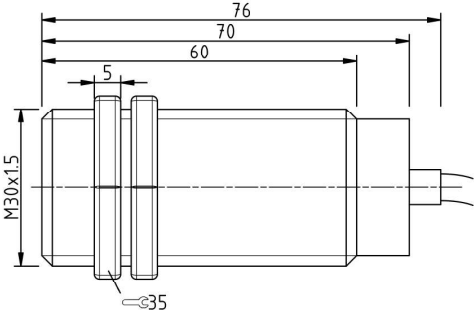
Locon Sensor Systems, Inc.

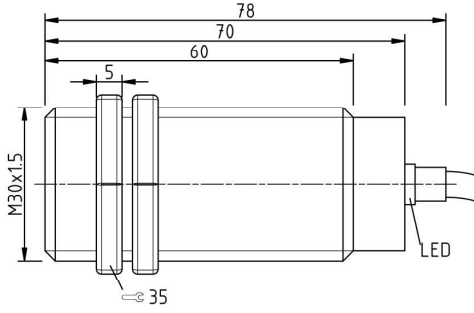
Toll-Free: 800-356-2661 · Phone: 419-740-8445 · Fax: 216-359-0077 · E-mail: sales@locon.net · Website: www.locon.net

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

Sensing Distance: 10mm - Housing Diameter: M30



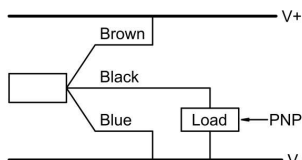
  Dimensions are in mm.		Technical Data:	
Part Numbers:		Mounting:	Shielded
PNP/NO	IN10-30HTPS-180	Sensing range in mm:	10
PNP/NC	IN10-30HTPO-180	Supply voltage:	10-35 VDC
NPN/NO	IN10-30HTNS-180	Output function:	N.O. or N.C.
NPN/NC	IN10-30HTNO-180	Load current:	120 mA
		Switching Frequency:	200 Hz
		Short circuit limit:	200 mA
		Cable:	Silicone
		Operating temperature:	-40 to 356 °F (-40 to 180 °C)
		Target size:	30 x 30 x 1 mm ST37
		Hysteresis:	3 to 15 %
		LED:	No
		Options:	Cable length, Cable type, Connector

  Dimensions are in mm.		Technical Data:	with LED
Part Numbers:		Mounting:	Shielded
PNP/NO	IN10-30HTPS/L-130	Sensing range in mm:	10
PNP/NC	IN10-30HTPO/L-130	Supply voltage:	10-35 VDC
NPN/NO	IN10-30HTNS/L-130	Output function:	N.O. or N.C.
NPN/NC	IN10-30HTNO/L-130	Load current:	120 mA
		Switching Frequency:	200 Hz
		Short circuit limit:	200 mA
		Cable:	Silicone
		Operating temperature:	-13 to 266 °F (-25 to 130 °C)
		Target size:	30 x 30 x 1 mm ST37
		Hysteresis:	3 to 15 %
		LED:	Yes
		Options:	Cable length, Cable type

These sensors share the following specifications:

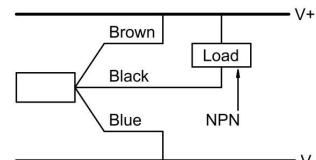
* The EMC (Electromagnetic Compatibility) resistance of the switches: IEC 61000-4-2 Level 2 IEC 61000-4-4 Level 2 IEC 61000-4-3 Level 2 IEC 60255-5 1 kV * Sensing range can vary +/-10 %. * Voltage spikes (300 V for 1 ms, 10 Hz) * All standard cables are 3 x 0.25 mm² and a length of 2 m +/-5 %. * Output 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. * 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.
--	--

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

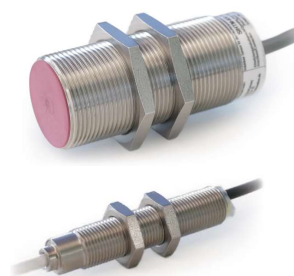
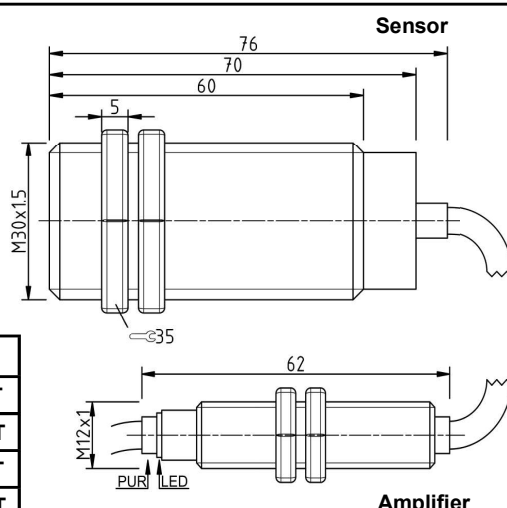
Locon Sensor Systems, Inc.

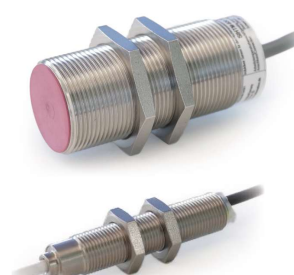
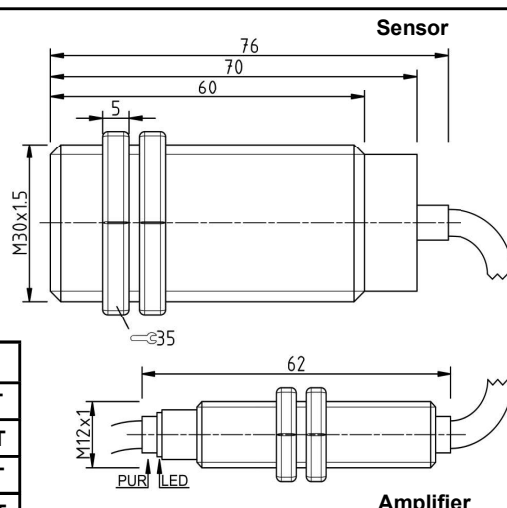
Toll-Free: 800-356-2661 · Phone: 419-740-8445 · Fax: 216-359-0077 · E-mail: sales@locon.net · Website: www.locon.net

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

Sensing Distance: 10mm - Housing Diameter: M30



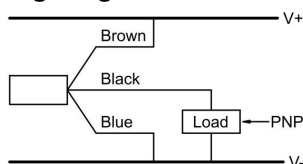
				<table><tr><th>Technical Data:</th><th>External amplifier version</th></tr><tr><td>Mounting:</td><td>Shielded</td></tr><tr><td>Sensing range in mm:</td><td>10</td></tr><tr><td>Supply voltage:</td><td>10-35 VDC</td></tr><tr><td>Output function:</td><td>N.O. or N.C.</td></tr><tr><td>Load current:</td><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
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																															
Dimensions are in mm.																																
Part Numbers:																																
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 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>		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 482 °F (-25 to 250 °C)	Target size:	30 x 30 x 1 mm ST37	Hysteresis:	3 to 15 %	LED:	Yes (on amplifier)	Options:	Cable length, Cable type
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 482 °F (-25 to 250 °C)																																
Target size:	30 x 30 x 1 mm ST37																																
Hysteresis:	3 to 15 %																																
LED:	Yes (on amplifier)																																
Options:	Cable length, Cable type																																
Dimensions are in mm.																																	
<table><tr><th colspan="2">Part Numbers:</th></tr><tr><td>PNP/NO</td><td>IN10-30HTPS-250EXT</td></tr><tr><td>PNP/NC</td><td>IN10-30HTPO-250EXT</td></tr><tr><td>NPN/NO</td><td>IN10-30HTNS-250EXT</td></tr><tr><td>NPN/NC</td><td>IN10-30HTNO-250EXT</td></tr></table>		Part Numbers:		PNP/NO	IN10-30HTPS-250EXT	PNP/NC	IN10-30HTPO-250EXT	NPN/NO	IN10-30HTNS-250EXT	NPN/NC	IN10-30HTNO-250EXT																						
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:

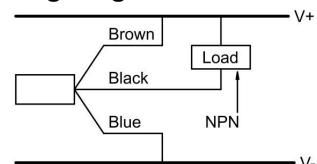
- | | |
|---|---|
| <ul style="list-style-type: none"> * The EMC (Electromagnetic Compatibility) resistance of the switches:
IEC 61000-4-2 Level 2 IEC 61000-4-4 Level 2 IEC 61000-4-3 Level 2 IEC 60255-5 1 kV * Sensing range can vary +/-10 %. * Voltage spikes (300 V for 1 ms, 10 Hz) * All standard cables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



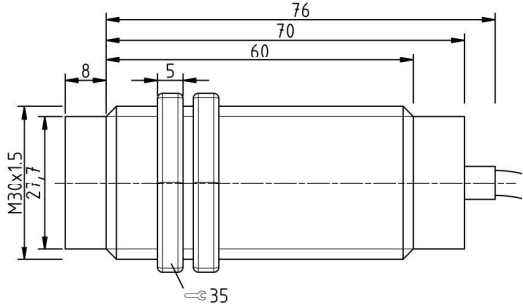
Design and technical details subject to change

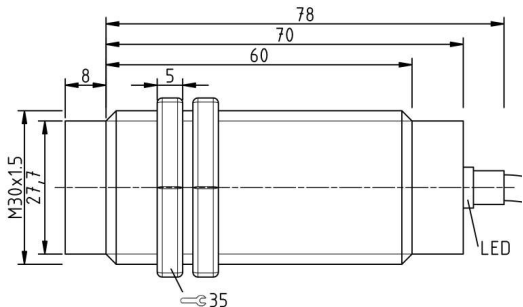
Locon Sensor Systems, Inc.

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

Sensing Distance: 15mm - Housing Diameter: M30



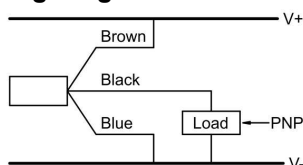
  Dimensions are in mm.		Technical Data:	
Part Numbers:		Mounting:	Unshielded
PNP/NO	IN15-30HTPS-180	Sensing range in mm:	15
PNP/NC	IN15-30HTPO-180	Supply voltage:	10-35 VDC
NPN/NO	IN15-30HTNS-180	Output function:	N.O. or N.C.
NPN/NC	IN15-30HTNO-180	Load current:	120 mA
		Switching Frequency:	200 Hz
		Short circuit limit:	200 mA
		Cable:	Silicone
		Operating temperature:	-13 to 356 °F (-25 to 180 °C)
		Target size:	30 x 30 x 1 mm ST37
		Hysteresis:	3 to 15 %
		LED:	No
		Options:	Cable length, Cable type, Connector

  Dimensions are in mm.		Technical Data:	with LED
Part Numbers:		Mounting:	Unshielded
PNP/NO	IN15-30HTPS/L-130	Sensing range in mm:	15
PNP/NC	IN15-30HTPO/L-130	Supply voltage:	10-35 VDC
NPN/NO	IN15-30HTNS/L-130	Output function:	N.O. or N.C.
NPN/NC	IN15-30HTNO/L-130	Load current:	120 mA
		Switching Frequency:	200 Hz
		Short circuit limit:	200 mA
		Cable:	Silicone
		Operating temperature:	-13 to 266 °F (-25 to 130 °C)
		Target size:	30 x 30 x 1 mm ST37
		Hysteresis:	3 to 15 %
		LED:	Yes
		Options:	Cable length, Cable type

These sensors share the following specifications:

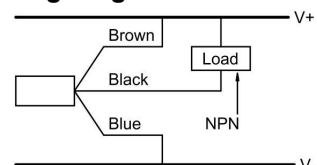
* The EMC (Electromagnetic Compatibility) resistance of the switches: IEC 61000-4-2 Level 2 IEC 61000-4-4 Level 2 IEC 61000-4-3 Level 2 IEC 60255-5 1 kV * Sensing range can vary +/-10 %. * Voltage spikes (300 V for 1 ms, 10 Hz) * All standard cables are 3 x 0.25 mm² and a length of 2 m +/-5 %. * Output 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. * 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.
--	--

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

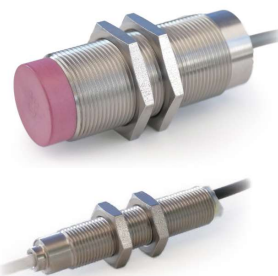
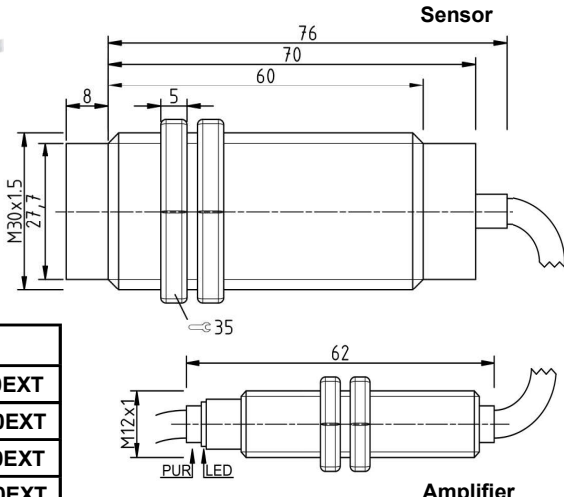
Locon Sensor Systems, Inc.

Toll-Free: 800-356-2661 · Phone: 419-740-8445 · Fax: 216-359-0077 · E-mail: sales@locon.net · Website: www.locon.net

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

Sensing Distance: **15mm** - Housing Diameter: **M30**

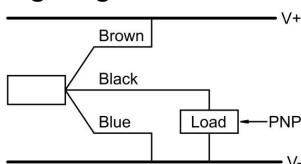


				Technical Data:	External amplifier version
Dimensions are in mm.				Mounting:	Unshielded
Part Numbers:				Sensing range in mm:	15
				Supply voltage:	10-35 VDC
				Output function:	N.O. or N.C.
				Load current:	120 mA
				Switching Frequency:	200 Hz
				Short circuit limit:	200 mA
				Cable:	Sensor: 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

This sensor has the following specifications:

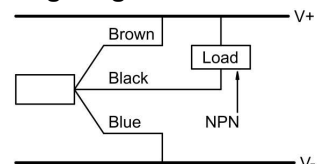
* The EMC (Electromagnetic Compatibility) resistance of the switches: IEC 61000-4-2 Level 2 IEC 61000-4-4 Level 2 IEC 61000-4-3 Level 2 IEC 60255-5 1 kV * Sensing range can vary +/-10 %. * Voltage spikes (300 V for 1 ms, 10 Hz) * All standard cables are 3 x 0.25 mm² and a length of 2 m +/-5 %. * Output 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.	* 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).
---	--

Wiring Diagram PNP NO/NC



Special types and silicone free versions are available upon request

Wiring Diagram NPN NO/NC



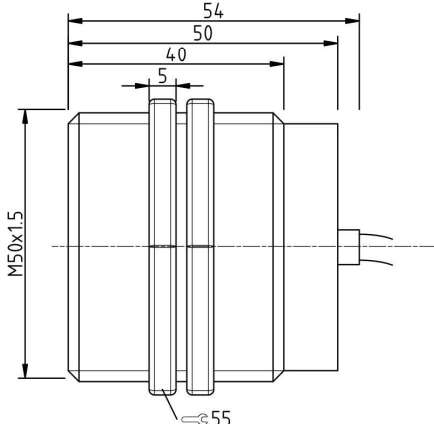
Design and technical details subject to change

Locon Sensor Systems, Inc.

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

Sensing Distance: **20 mm** - Housing Diameter: **M50**



			Technical Data:	
Dimensions are in mm.			Mounting:	Shielded
Part Numbers:		Sensing range in mm:	20	
PNP/NO	IN20-50HTPS-180	Supply voltage:	10-35 VDC	
PNP/NC	IN20-50HTPO-180	Output function:	N.O. or N.C.	
NPN/NO	IN20-50HTNS-180	Load current:	120 mA	
NPN/NC	IN20-50HTNO-180	Switching Frequency:	200 Hz	
		Short circuit limit:	200 mA	
		Cable:	Silicone	
		Operating temperature:	-13 to 356 °F (-25 to 180 °C)	
		Target size:	50 x 50 x 1 mm ST37	
		Hysteresis:	3 to 20 %	
		LED:	No	
		Options:	Cable length, Cable type, Connector	

Dimensions are in mm.

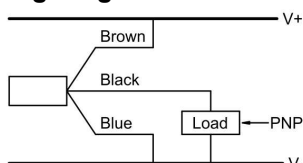
Part Numbers:	
PNP/NO	IN20-50HTPS/L-130
PNP/NC	IN20-50HTPO/L-130
NPN/NO	IN20-50HTNS/L-130
NPN/NC	IN20-30HTNO/L-130

Technical Data:	with LED
Mounting:	Shielded
Sensing range in mm:	20
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:	Silicone
Operating temperature:	-13 to 266 °F (-25 to 130 °C)
Target size:	50 x 50 x 1 mm ST37
Hysteresis:	3 to 20 %
LED:	Yes
Options:	Cable length, Cable type

These sensors share the following specifications:

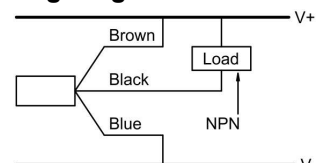
* The EMC (Electromagnetic Compatibility) resistance of the switches: IEC 61000-4-2 Level 2 IEC 61000-4-4 Level 2 IEC 61000-4-3 Level 2 IEC 60255-5 1 kV * Sensing range can vary +/- 10 %. * Voltage spikes (300 V for 1 ms, 10 Hz) * All standard cables are 3 x 0.25 mm² and a length of 2 m +/- 5 %. * Output 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. * Shock resistant to 5 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.
--	---

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

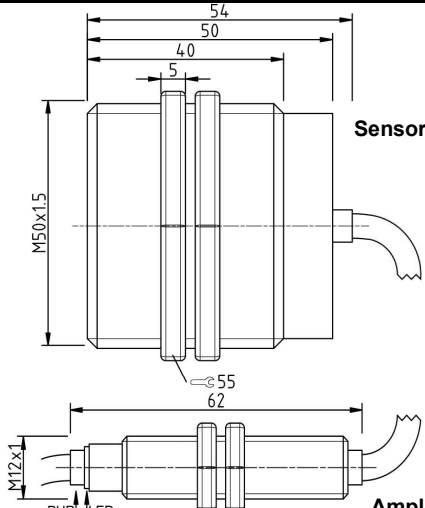
Locon Sensor Systems, Inc.

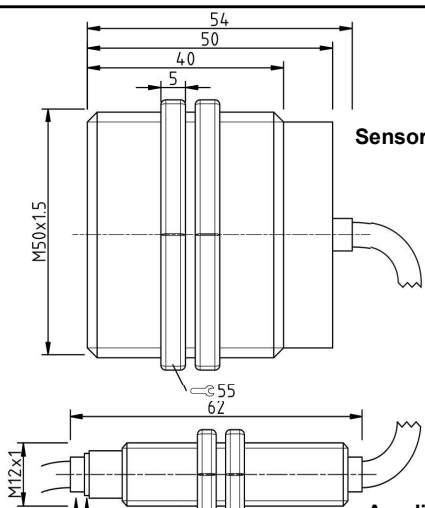
Toll-Free: 800-356-2661 · Phone: 419-740-8445 · Fax: 216-359-0077 · E-mail: sales@locon.net · Website: www.locon.net

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

Sensing Distance: 20 mm - Housing Diameter: M50



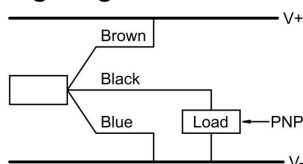
 Dimensions are in mm.				Technical Data:	External amplifier version
Part Numbers:				Mounting:	Shielded
PNP/NO	IN20-50HTPS-230EXT			Sensing range in mm:	20
PNP/NC	IN20-50HTPO-230EXT			Supply voltage:	10-35 VDC
NPN/NO	IN20-50HTNS-230EXT			Output function:	N.O. or N.C.
NPN/NC	IN20-50HTNO-230EXT			Load 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:	50 x 50 x 1 mm ST37
				Hysteresis:	3 to 20 %
				LED:	Yes (on amplifier)
				Options:	Cable length, Cable type

 Dimensions are in mm.				Technical Data:	External amplifier version
Part Numbers:				Mounting:	Shielded
PNP/NO	IN20-50HTPS-250EXT			Sensing range in mm:	20
PNP/NC	IN20-50HTPO-250EXT			Supply voltage:	10-35 VDC
NPN/NO	IN20-50HTNS-250EXT			Output function:	N.O. or N.C.
NPN/NC	IN20-50HTNO-250EXT			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:	50 x 50 x 1 mm ST37
				Hysteresis:	3 to 20 %
				LED:	Yes (on amplifier)
				Options:	Cable length, Cable type

These sensors share the following specifications:

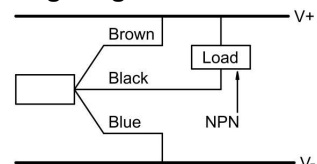
- * The EMC (Electromagnetic Compatibility) resistance of the switches:
 - IEC 61000-4-2 Level 2
 - IEC 61000-4-3 Level 2
 - IEC 61000-4-4 Level 2
 - IEC 60255-5 1 kV
- * Sensing range can vary +/- 10 %.
- * Voltage spikes (300 V for 1 ms, 10 Hz)
- * All standard cables are 3 x 0.25 mm² and a length 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.
- * Shock resistant to 5 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



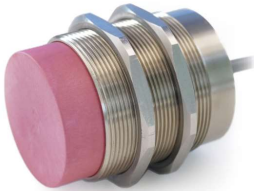
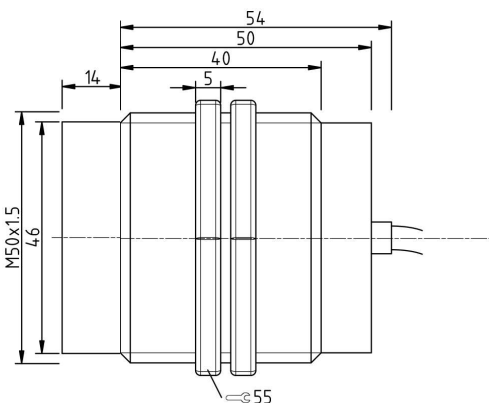
Design and technical details subject to change

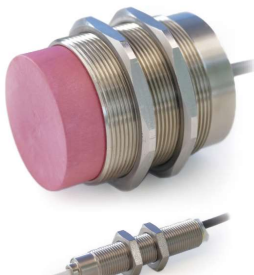
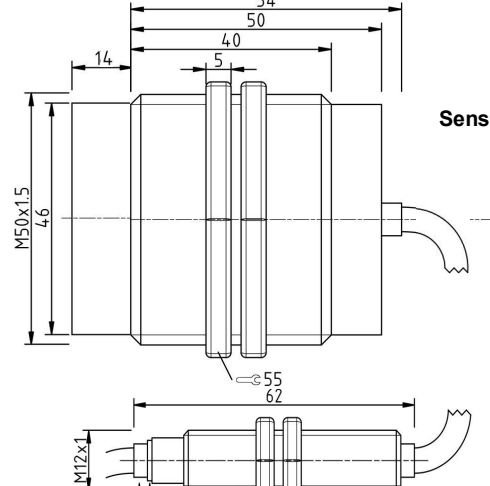
Locon Sensor Systems, Inc.

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSORS

Sensing Distance: 25 mm - Housing Diameter: M50



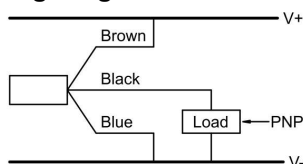
				Technical Data:	
Dimensions are in mm.				Mounting:	Unshielded
Part Numbers:				Sensing range in mm:	25
PNP/NO	IN25-50HTPS-180			Supply voltage:	10-35 VDC
PNP/NC	IN25-50HTPO-180			Output function:	N.O. or N.C.
NPN/NO	IN25-50HTNS-180			Load current:	120 mA
NPN/NC	IN25-50HTNO-180			Switching Frequency:	50 Hz
				Short circuit limit:	200 mA
				Cable version:	Silicone
				Operating temperature:	-13 to 356 °F (-25 to 180 °C)
				Target size:	50 x 50 x 1 mm ST37
				Hysteresis:	3 to 20 %
				LED:	No
				Options:	Cable length, Cable type, Connector

				Technical Data:	External amplifier version
Dimensions are in mm.				Mounting:	Unshielded
Part Numbers:				Sensing range in mm:	25
PNP/NO	IN25-50HTPS-230EXT			Supply voltage:	10-35 VDC
PNP/NC	IN25-50HTPO-230EXT			Output function:	N.O. or N.C.
NPN/NO	IN25-50HTNS-230EXT			Load current:	120 mA
NPN/NC	IN25-50HTNO-230EXT			Switching Frequency:	50 Hz
				Short circuit limit:	200 mA
				Cable:	Sensor: PTFE, Amplifier: PUR
				Sensor operating temp.:	-13 to 446 °F (-25 to 230 °C)
				Target size:	50 x 50 x 1 mm ST37
				Hysteresis:	3 to 20 %
				LED:	Yes (on amplifier)
				Options:	Cable length, Cable type

This sensor has the following specifications:

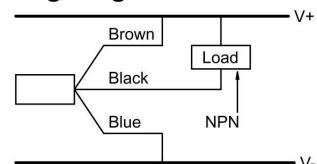
* The EMC (Electromagnetic Compatibility) resistance of the switches: IEC 61000-4-2 Level 2 IEC 61000-4-4 Level 2 IEC 61000-4-3 Level 2 IEC 60255-5 1 kV	* Shock resistant to 5 g for a period of 11 ms. * Degree of protection (DIN 40 050) is IP67 (higher IP options may be available). * Reverse polarity 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).
* Sensing range can vary +/-10 %. * Voltage spikes (300 V for 1 ms, 10 Hz) * All standard cables are 3 x 0.25 mm ² 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.	

Wiring Diagram PNP NO/NC



Special types and silicone free versions are available upon request

Wiring Diagram NPN NO/NC

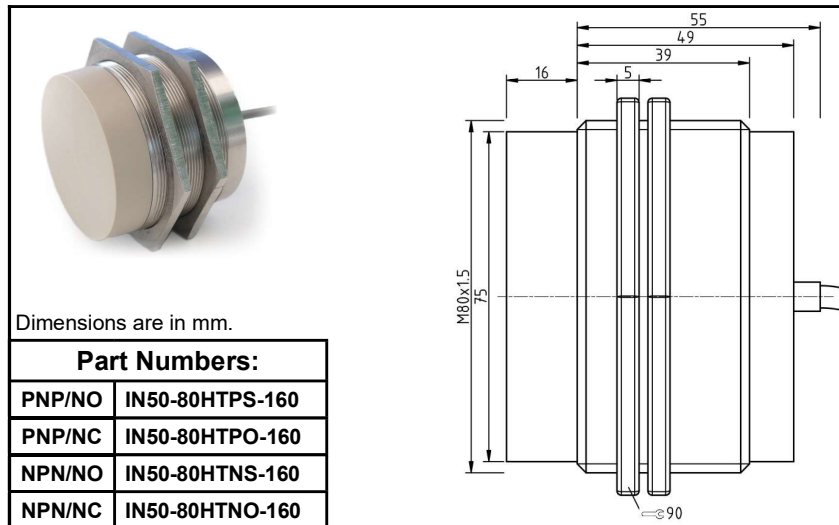


Design and technical details subject to change

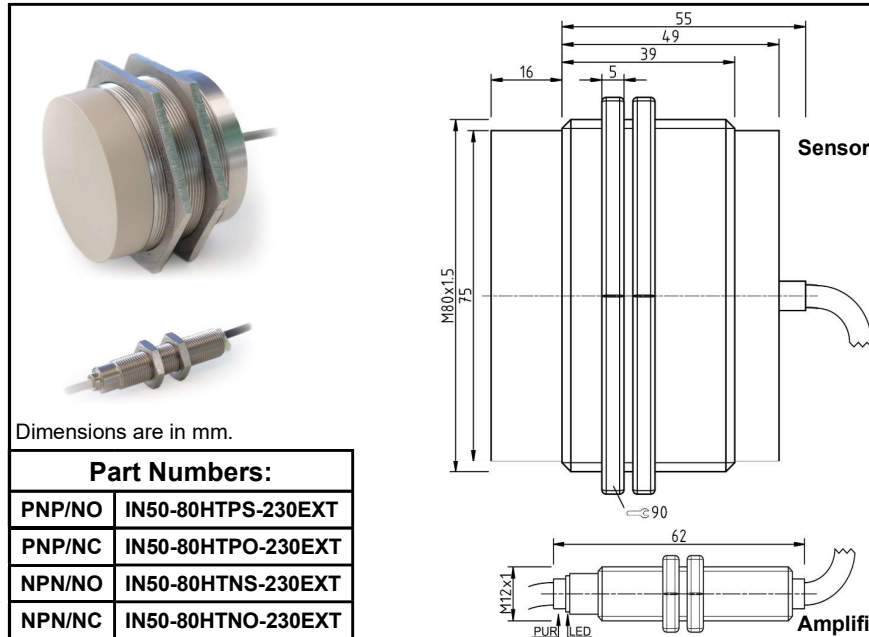
Locon Sensor Systems, Inc.

High Temperature Inductive Proximity Sensors

Sensing Distance: 50 mm - Housing Diameter: M80



Technical Data:	
Mounting:	Unshielded
Sensing range in mm:	50
Supply voltage:	10-35 VDC
Output function:	N.O. or N.C.
Load current:	120 mA
Switching Frequency:	50 Hz
Short circuit limit:	200 mA
Cable:	Silicone
Operating temperature:	-13 to 320 °F (-25 to 160 °C)
Target size:	80 x 80 x 1 mm ST37
Hysteresis:	3 to 20 %
LED:	No
Options:	Cable length, Cable type, Connector

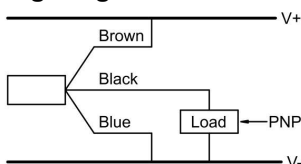


Technical Data:		External amplifier version
Mounting:	Unshielded	
Sensing range in mm:	50	
Supply voltage:	10-35 VDC	
Output function:	N.O. or N.C.	
Load current:	120 mA	
Switching Frequency:	50 Hz	
Short circuit limit:	200 mA	
Cable:	Sensor: PTFE, Amplifier: PUR	
Operating temperature:	-13 to 446 °F (-25 to 230 °C)	
Target size:	50 x 50 x 1 mm ST37	
Hysteresis:	3 to 20 %	
LED:	Yes (on amplifier)	
Options:	Cable length, Cable type	

These sensors share the following specifications:

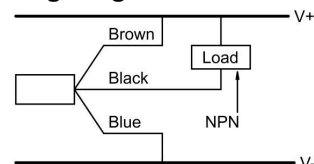
- * The EMC (Electromagnetic Compatibility) resistance of the switches:
 - IEC 61000-4-2 Level 2
 - IEC 61000-4-3 Level 2
 - IEC 61000-4-4 Level 2
 - IEC 60255-5 1 kV
- * Sensing range can vary +/-10 %.
- * Voltage spikes (300 V for 1 ms, 10 Hz)
- * All standard cables are 3 x 0.25 mm² and a length of 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.
- * Shock resistant to 5 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

Locon Sensor Systems, Inc.