



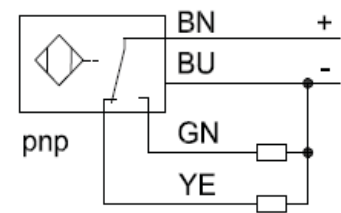
Model PSC 701

Non-contacting inductive proximity sensor. The sensor can be used to detect metal objects using a High Frequency AC field effect using a specially designed inductor with Ferrite Core that forms an LC resonant tank circuit.

The sensor is temperature compensated to assure high accuracy over the operating temperature range.



Wiring diagram



- Threaded Plastic Barrel housing with M30 x 1.5mm threads
- DC 4 wire with supply voltage ranging from 10 to 36V
- PNP transistor switched output contact
- Custom cable lengths available upon request.
- High strength molded glass filled PA12 body

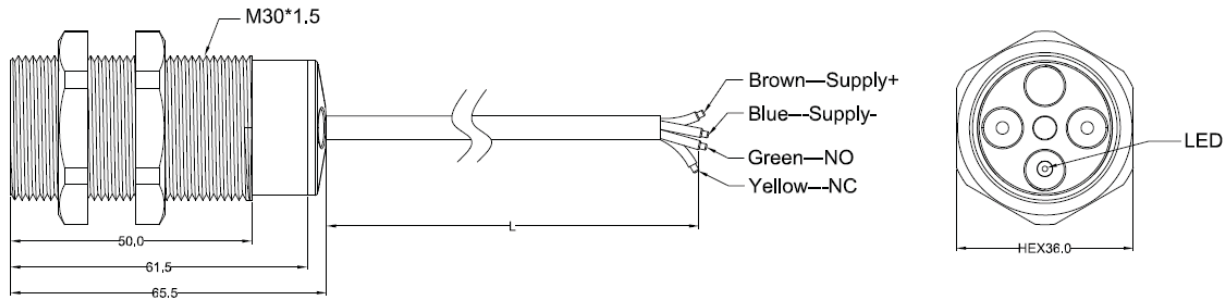
Specifications

Rated switching distance S_n	15mm
Mounting condition	Non-flush
Assured switching distance	$\leq (0.81 \times S_n)$ mm
Correction factors	St37=1; Al=0.3; stainless steel=0.7; Ms=0.4
Repeatability	$\leq 2\%$ of full scale
Temperature drift (span)	$\leq \pm 30\%$
Hysteresis	3~15%
Ambient temperature	- 25~100°C
Operating voltage	10~36VDC
DC rated operational current	≤ 200 mA
No-load current I_0	≤ 15 mA
Rated insulation voltage	≤ 0.5 kv
Short- circuit protection	Yes
Output function	4 wire, change over contact, PNP
Switching frequency	0.5kHz



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Structure reference(Unit: [mm])



Distance W	3 x Sn
Distance T	3 x B
Distance S	1.5 x B
Distance G	6 x Sn
Distance N	2 x Sn
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Diameter of the active area B	Ø 30 mm

