



Document/File name DSC305156E.docx	Document Type External	Revision 1
First Revision, Sign and Date Bln 2010-03-24	Updated Revision, Sign and Date	Document Status and Sign Approved Lan
Document and Product Description Description Proximity Sensor NPN high temp. M8 x 1 Pnr. 30-515-6		Page 1 (3)

Part # 30-515-6

The Proximity sensor comes with a fitted waterproof SureSeal connector.

Typical application is position sensor on/in gearbox housing.

Directly connects to TTT802 Gearshift Controller cable harness.



Prox. sensor	1,5 m	3-pole SureSeal Female
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Inductive sensor with extended temperature range

Order number: 4602108

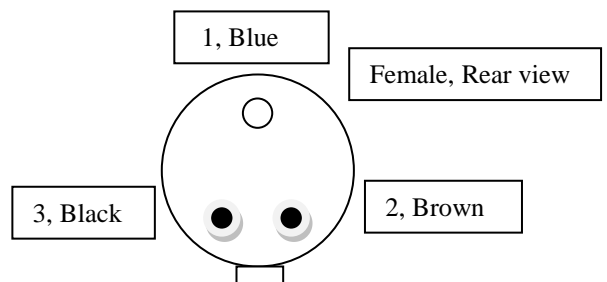
- threaded barrel, M8 x 1
- stainless steel, 1.4404
- For temperatures up to +100°C
- 3-wire DC, 10...30 VDC
- normally open npn output
- cable connection



Connector: 3-pole SureSeal Female

Marking: Pnr & Snr Length: 30mm
 Clear crimp tube over marking length: 45mm Type: 6 / 2
 Crimp tube length: 30mm Type: ATUM 9 / 3

Blue – con 1 (socket) - Gnd
 Brown – con 2 (pin) - + 12 Volt
 Black – con 3 (pin) – Signal





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Operating voltage	10.0 VDC ... 30.0 VDC
Residual ripple	$\leq 10 \% U_{SS}$
DC rated operational current	$\leq 150 \text{ mA}$
Rated operational current	see derating curve
No-load current I_0	$\leq 15 \text{ mA}$
Residual current	$\leq 0.1 \text{ mA}$
Rated insulation voltage	$\leq 0.5 \text{ kV}$
Short-circuit protection	yes / cyclic
Voltage drop at I_e	$\leq 1.8 \text{ V}$
Wire breakage / Reverse polarity protection	yes / complete
Output function	3-wire , NO contact , NPN
Switching frequency	$\leq 3 \text{ kHz}$

Display switch state	LED yellow
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Rated operating distance Sn	2 mm
Mounting condition	flush
Assured sensing range	$\leq (0,81 \times S_n)$ mm
Correction factors	St37 = 1, V2A ~ 0.7, Ms ~ 0.4, Al ~ 0.3
Repeatability	$\leq 2 \%$
Temperature drift	$\leq \pm 10 \%$
	$\leq \pm 20 \%, \geq +70 \text{ }^\circ\text{C}$
Hysteresis	3.0 % of full scale ... 15.0 % of full scale
Ambient temperature	-25 °C ... + 100 °C

Housing	threaded barrel , M8 x 1
Dimensions	41.6 mm
Housing material	metal , V2A (1.4301)
Material active face	Plastic , plastic, PA12-GF20
End cap	plastic , PP
Tightening torque of housing nut	10 Nm
Electrical connection	cables
Cable quality	Ø 3.0 , grey , Lif32Y32Y , TPE , 2.0 m
Cable cross section:	3 x 0.14 mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67