



Document/File name DSC305219E.docx	Document Type External	Revision 1
First Revision, Sign and Date Bln 2009-11-30	Updated Revision, Sign and Date	Document Status and Sign Approved Lan
Document and Product Description Description Proximity Sensor E2A NPN M8 x 1 Pnr. 30-521-9		Page 1 (2)

Part # 30-521-9

The E2A Proximity sensor comes with a fitted waterproof SureSeal connector.
 Typical application is Gear Lever sensor.
 Directly connects to TTT802 Gearshift Controller cable harness.

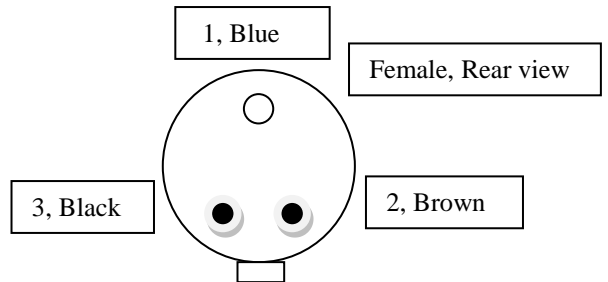
E2A	2,0 m	3-pole SureSeal Female
-----	-------	------------------------



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



Description

Short body stainless steel M8 NPN open collector
Sensing distance 2 mm +/- 10%
Setting distance 0 to 1.6 mm
Response frequency 1500 Hz
PBT sensing face material
LED indication
Operating temperature range -40 to +70 C
Supply voltage 12 to 24 Vdc
Output current 200mA max
Short circuit, surge suppression and reverse polarity protection



Document/File name DSC305219E.docx		Document Type External	Revision 1
First Revision, Sign and Date Bln 2009-11-30	Updated Revision, Sign and Date	Document Status and Sign Approved Lan	Page 2 (2)
Document and Product Description Description Proximity Sensor E2A NPN M8 x 1 Pnr. 30-521-9			

Environmental Data

Temperature range	-40...+70	C
Vibration	10...55 $A_{max} = 1.5$	Hz mm
Shock resistance	10 times each in X, Y, Z direction	500 m/s ²
Protection class	IP 67	

Mechanical Data

Material (body)	Stainless steel	
Material (sensing surface)	PBT	
Sensing distance +/- 10%	2	mm
Setting distance	0 to 1.6	mm
Target	Ferrous metal	
Thread length	27	mm
Overall length	40	mm
Tightening torque of housing nut	9	Nm
Weight	65	G

Electrical Data

Power supply voltage	12 to 24	Vdc
Ripple (p-p)	10	%
Current consumption	max 10	mA
Output type	NPN open collector	
Load current	max 200	mA
Operation mode	NO (normal open)	
Response frequency	1500	Hz
Gray PVC insulated 3 conductors round cable diameter	4	mm
Insulator diameter	1.3	mm
Cable length	2000	mm
Conductor cross section	0.3	mm ²
Conductor Brown (Supply)	+12 – 24	Vdc
Conductor Black (Signal)	Open collector max 200	mA
Conductor Blue (Supply)	0	Vdc