

ELECTRICAL OPTIONS/ SPECIFICATIONS

OUTPUT SUPPLY

0.5 TO 4.5V RATIOMETRIC 5V
SUPPLY CURRENT 12mA TYP. 20mA MAX.

CABLE: 0.2mm², O/A SCREEN, PUR JACKET - SUPPLIED WITH 50cm OR REQUIRED LENGTH IN cm (15000cm MAX).
STANDARD 3-CORE: JACKET ϕ 4mm BLACK e.g. 'L50'
OPTIONAL 5-CORE: JACKET ϕ 4.6mm BLUE e.g. 'LQ50'

CABLE/CONNECTOR* CONNECTIONS;

3 CORE	5 CORE	CONNECTOR	
RED	RED	:1	+Ve
-	ORG	:1	+SENSE (5-WIRE ONLY)
BLACK	BLACK	:3	0V
-	GRY	:3	-SENSE (5-WIRE ONLY)
WHITE	WHITE	:2	OUTPUT
SCREEN	SCREEN	:4	BODY

*CONNECTORS; MAXIMUM CONDUCTOR CROSS SECTION 0.75mm²

RANGE OF DISPLACEMENT FROM 0-5mm TO 0-800mm e.g.76, IN INCREMENTS OF 1mm.

BODY MATERIAL: STAINLESS STEEL.

NOTE:- READ INSTALLATION SHEET X100-19 FOR FULL INSTRUCTIONS FOR USE.

ATEX / IECEx APPROVED TO

II 1G

Ex ia IIC T4 Ga (Ta= -40° to +80°C)

Ui 11.4V, li 0.2A, Pi 0.51W

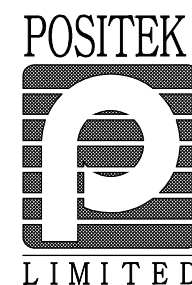
APPROVED FOR USE IN CONJUNCTION WITH A GALVANICALLY ISOLATED BARRIER.

NOTE: APPROVAL ONLY APPLIES AT NORMAL ATMOSPHERIC PRESSURE!

H	OPTION 'S' REMOVED - RAN1035.	PDM
J	RANGE WAS 20-600 RAN1056	RDS
K	TARGET NOTES AMENDED ~ RAN1114	PDM
L	5-CORE OPTION ADDED ~ RAN1102	PDM
M	RANGE NOTE AMENDED ~ RAN1200	PDM
N	HEX. LENGTH 14 WAS 15 ~ RAN1160	PDM



DRAWINGS NOT TO BE CHANGED WITHOUT REFERENCE TO THE CHANGE PROCEDURE. CHANGES TO PARTS USED IN INTRINSICALLY SAFE PRODUCT MUST BE APPROVED BY THE AUTHORISED PERSON
THIS IS AN UNCONTROLLED PRINT AND WILL NOT BE UPDATED.



H	29/06/15		CHECKED BY	X	±0.4
J	9/11/15		RDS	X.X	±0.2
K	18/10/16			X.XX	±0.1
L	06/04/17			DIMS	mm
M	29/08/17	DESCRIPTION			
N	11/10/17	X100 INTRINSICALLY SAFE CYLINDER LINEAR POSITION SENSOR			
SCALE 10mm		DRAWING NUMBER X100-11		REV N	
				SHEET 1	OF 1