



ELECTRICAL OPTIONS/ SPECIFICATIONS

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

CABLE LENGTH, OPTION 'Lxx', ORDERED IN cm, 50cm STANDARD OR AS REQUIRED, 15000cm MAX.

3-CORE SCREENED: 0.2mm², Ø4mm PUR JACKET

CABLE/CONNECTOR CONNECTIONS*:

3 CORE CONNECTOR
 RED :1 +Ve
 BLACK :3 0V
 WHITE :2 OUTPUT
 SCREEN :4 BODY

*CONNECTORS; MAXIMUM CONDUCTOR CROSS SECTION 0.75mm²
 RANGE OF DISPLACEMENT FROM 5° TO 20°, IN INCREMENTS OF 1°.

BODY MATERIAL:- STAINLESS STEEL.
 FLANGE BASE MATERIAL:- STAINLESS STEEL.
 SERVO MOUNT MATERIAL:- STAINLESS STEEL.

FURTHER OPTIONS:
 SPRING RETURN (CODE 'N') AVAILABLE UP TO ±50°
 CALIBRATED OUTPUT, PHYSICAL STOPS ±55°
 NOTE STANDARD DEVICE HAS NO STOPS.

NOTE:- READ INSTALLATION SHEET E502-19 FOR FULL INSTRUCTIONS FOR USE.

ATEX APPROVED TO
 Ex II 1GD
 EEx ia IIC T4 (Ta= -40° to +80°C)
 Ex iaD 20 T135°C (Ta= -40° to +80°C)
 Ui 11.4V, Ii 0.2A, Pi 0.51W

APPROVED FOR USE IN CONJUNCTION WITH A GALVANICALLY ISOLATED BARRIER.

A	FIRST ISSUE.	PDM
B	FLANGE TH'KNNESS ADDED.	PDM
C	Ii 0.2A WAS 0.46A - RAN266	PDM
D	ADDITIONAL DIMS/VIEWS ADDED.	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.



A	30/11/06		CHECKED BY	x	±0.4
B	05/01/10		RDS	x.x	±0.2
C	21/04/10			x.xx	±0.1
D	06/07/11				DIMS mm
		DESCRIPTION			
		E502 INTRINSICALLY SAFE SMALL ANGLE ROTARY SENSOR			
		SCALE 10mm			
		DRAWING NUMBER E502-11		REV	D
		SHEET 1 OF 1			