

ELECTRICAL OPTIONS/ SPECIFICATIONS

| OUTPUT | SUPPLY |
|---|-------------|
| 0.5 TO 4.5V RATIOMETRIC | 5V |
| SUPPLY CURRENT 12mA TYP. 20mA MAX. | |
| CABLE: 0.2mm ² , 0/A SCREEN, PUR JACKET – SUPPLIED WITH 50cm OR REQUIRED LENGTH IN cm (15000cm MAX). | |
| STANDARD 3-CORE: JACKET Ø4mm BLACK | e.g. 'L50' |
| OPTIONAL 5-CORE: JACKET Ø4.6mm 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 16° TO 160°, 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 E500–19 FOR FULL INSTRUCTIONS FOR USE.

ATEX / IECEx APPROVED TO

II 1GD

Ex ia IIC T4 Ga (Ta= -40° to +80°C)

Ex ia IIIC T135°C Da (Ta= -40° to +80°C)

Ui 11.4V, Ii 0.2A, Pi 0.51W

APPROVED FOR USE IN CONJUNCTION WITH A GALVANICALLY ISOLATED BARRIER.

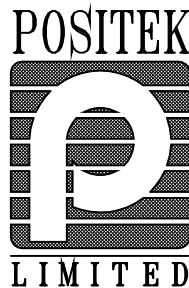
NOTE: APPROVAL ONLY APPLIES AT NORMAL ATMOSPHERIC PRESSURE!

| | | |
|---|--|-----|
| A | FIRST ISSUE. | PDM |
| B | FLANGE TH'KNESS ADDED. | PDM |
| C | Ii 0.2A WAS 0.46A - RAN266 | PDM |
| D | ADDITIONAL DIMS/VIEWS ADDED. | PDM |
| E | DISP. 16 TO 160° WAS 20 TO 160° RAN442 | PDM |
| F | APPROVAL STANDARDS UPDATED - RAN465. | PDM |
| G | 5-CORE OPTION ADDED ~ RAN1102 | 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 RDS | X ±0.4 X.X ±0.2 X.XX ±0.1 DIMS mm |
| B | 05/01/10 | | | |
| C | 21/04/10 | | | |
| D | 06/07/11 | | | |
| E | 07/11/13 | DESCRIPTION E500 INTRINSICALLY SAFE ROTARY SENSOR | | |
| F | 11/03/14 | | | |
| G | 26/04/17 | | | |
| SCALE 10mm | | DRAWING NUMBER E500-11 REV G | | |
| | | SHEET 1 OF 1 | | |