

ELECTRICAL OPTIONS/ SPECIFICATIONS

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

CABLE LENGTH, OPTION 'Lxx', ORDERED IN cm, 50cm STANDARD OR AS REQUIRED, 1500cm 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 20° 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°

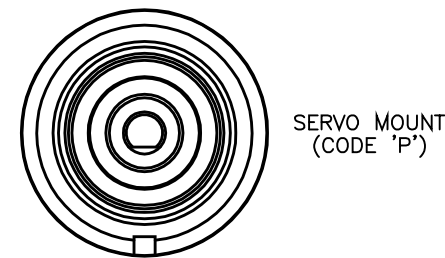
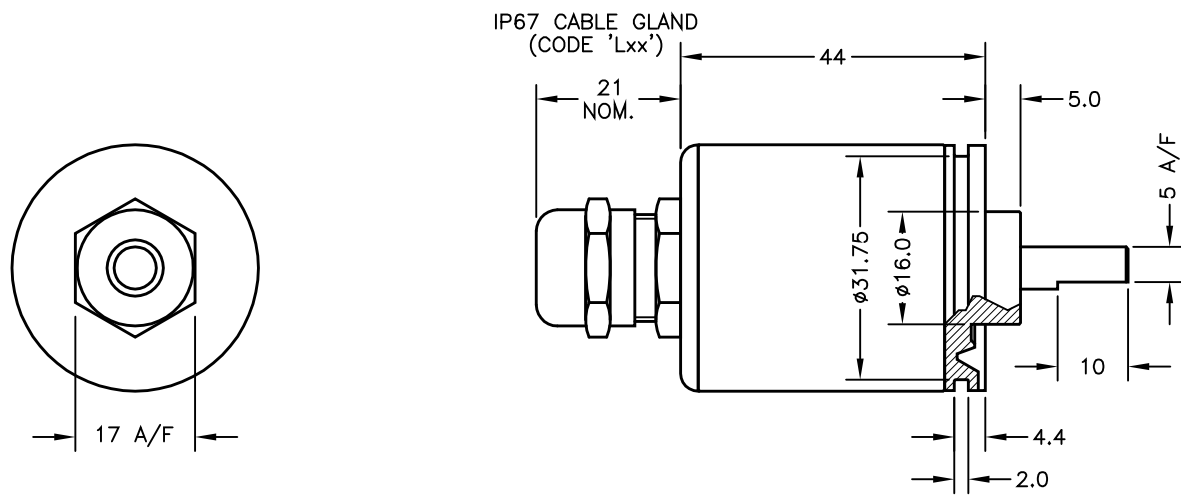
CALIBRATED OUTPUT, PHYSICAL STOPS ±55°

NOTE STANDARD DEVICE HAS NO STOPS.

NOTE:- READ INSTALLATION SHEET M500-19 FOR FULL INSTRUCTIONS FOR USE.

ATEX APPROVED TO	
	I/II M1/1GD
EEx ia I/IC 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 RDS	x	±0.4
B	05/01/10			x.x	±0.2
C	21/04/10			x.xx	±0.1
D	06/07/11	DESCRIPTION			
		M500 INTRINSICALLY SAFE ROTARY SENSOR			
SCALE	10mm	DRAWING NUMBER		M500-11	REV D
					SHEET 1 OF 1