

ELECTRICAL OPTIONS/ SPECIFICATIONS

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

CABLE: 0.2mm², 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;

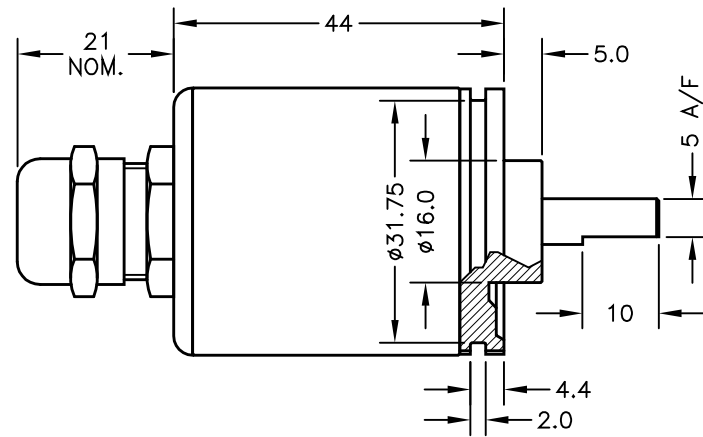
3 CORE	5 CORE	CONNECTOR	
RED	RED	:1	+Ve
-	ORG	:1	+SENSE (5-WIRE ONLY)
BLACK	BLACK	:3	0V
-	GRY	:3	-SENSE (5-WIRE ONLY)
WHITE	WHITE	:2	OUTPUT
SCREEN	SCREEN	:4	BODY

*CONNECTORS; MAXIMUM CONDUCTOR CROSS SECTION 0.75mm²
 RANGE OF DISPLACEMENT FROM 0-5° TO 0-15° e.g.12°, IN INCREMENTS OF 1°.

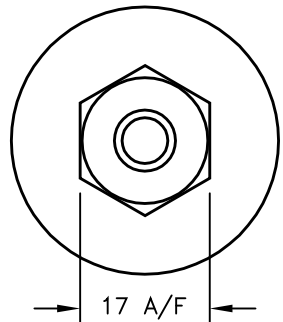
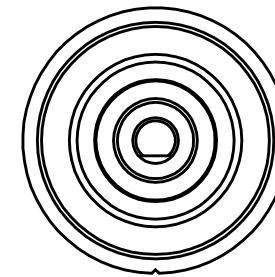
BODY MATERIAL:- STAINLESS STEEL.
 FLANGE BASE MATERIAL:- STAINLESS STEEL.
 SERVO MOUNT MATERIAL:- STAINLESS STEEL.

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

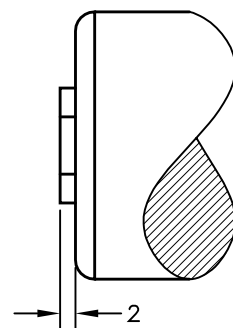
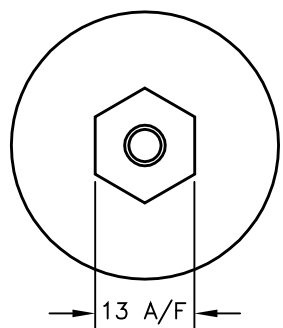
IP67 M12 CONNECTOR IEC 60947-5-2 (CODE 'J')




SERVO MOUNT (CODE 'P')



IP67 SHORT CABLE GLAND – AXIAL (CODE 'Mxx'/'MQxx')



NOTE:- READ INSTALLATION SHEET M502-19 FOR FULL INSTRUCTIONS FOR USE.

ATEX / IECEx APPROVED TO
 I/II M1/1GD
 Ex ia IIC T4 Ga (Ta= -40° to +80°C)
 Ex ia IIIC T135°C Da (Ta= -40° to +80°C)
 Ex ia I Ma (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!

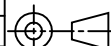

C	Ii 0.2A WAS 0.46A - RAN266	PDM
D	ADDITIONAL DIMS/IEWS ADDED.	PDM
E	DISP. 5 TO 15° WAS 5 TO 20° RAN442	PDM
F	APPROVAL STANDARDS UPDATED - RAN465.	PDM
G	5-CORE OPTION ADDED ~ RAN1102	PDM
H	OPTION 'M' ADDED ~ RAN1166, RANGE NOTE AMENDED ~ RAN1200	PDM



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.

POSITEK

LIMITED

C	21/04/10		CHECKED BY	X	±0.4
D	06/07/11		RDS	X.X	±0.2
E	07/11/13			X.XX	±0.1
F	11/03/14	DESCRIPTION			
G	26/04/17	M502 INTRINSICALLY SAFE			
H	11/09/17	SMALL ANGLE ROTARY SENSOR			
SCALE		DRAWING NUMBER		REV	
10mm		M502-11		H	
		SHEET		1 OF 1	