

ELECTRICAL OPTIONS/ SPECIFICATIONS

OUTPUT 0.5 TO 4.5V RATIO METRIC
SUPPLY 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 Ø4mm BLACK e.g. 'L50'
 OPTIONAL 5-CORE: JACKET Ø4.6mm BLUE e.g. 'LQ50'

CABLE/CONNECTOR* CONNECTIONS;

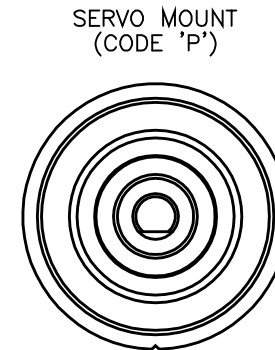
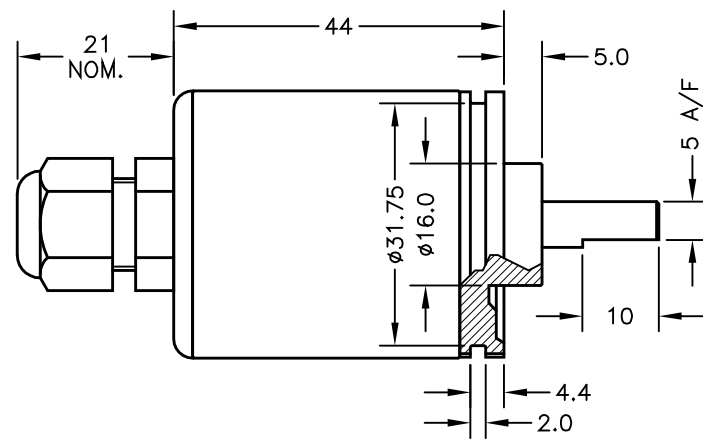
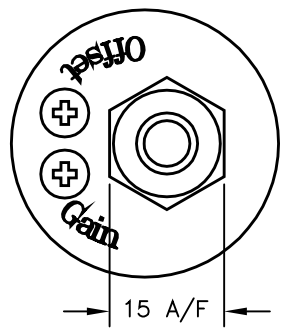
3 CORE	5 CORE	CONNECTOR	
RED	RED	:1	+Ve
-	ORG	:1	+SENSE (5-WIRE ONLY)
BLACK	BLACK	:3	0V
-	GRY	:3	-SENSE (5-WIRE ONLY)
WHITE	WHITE	:2	OUTPUT
SCREEN	SCREEN	:4	BODY

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

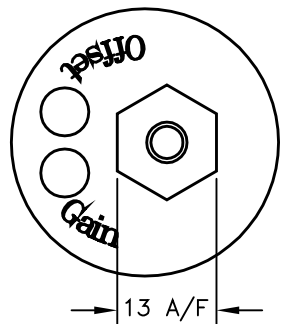
BODY MATERIAL:- STAINLESS STEEL.
 FLANGE BASE MATERIAL:- STAINLESS STEEL.
 SERVO MOUNT MATERIAL:- STAINLESS STEEL.

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

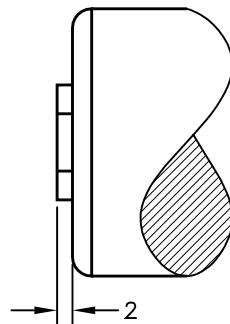
IP67 CABLE GLAND (CODE 'Lxx'/'LQxx')



GAIN AND OFFSET ADJUSTMENTS SEALED (CODE 'Y')



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



NOTE:- READ INSTALLATION SHEET G000-19 FOR FULL INSTRUCTIONS FOR USE.

CSA APPROVED TO
 Class I Zone 0
 Ex/AEx ia IIC T4 (Ta= -40 to 80°C)
 Ui 11.4V, Ii 0.2A, Pi 0.51W

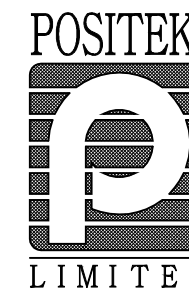
APPROVED FOR USE IN CONJUNCTION WITH A GALVANICALLY ISOLATED BARRIER.

NOTE: APPROVAL ONLY APPLIES AT NORMAL ATMOSPHERIC PRESSURE!

A	FIRST ISSUE.	PDM
B	DISP. 5 TO 15° WAS 5 TO 20° RAN442	PDM
C	5-CORE OPTION ADDED ~ RAN1102	PDM
D	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.



A	19/03/13		CHECKED BY	X	±0.4
B	07/11/13		RDS	X.X	±0.2
C	26/04/17			X.XX	±0.1
D	11/09/17				DIMS mm
		DESCRIPTION			
		G502 INTRINSICALLY SAFE SMALL ANGLE ROTARY SENSOR			
SCALE 10mm		DRAWING NUMBER		G502-11	REV D
					SHEET 1 OF 1