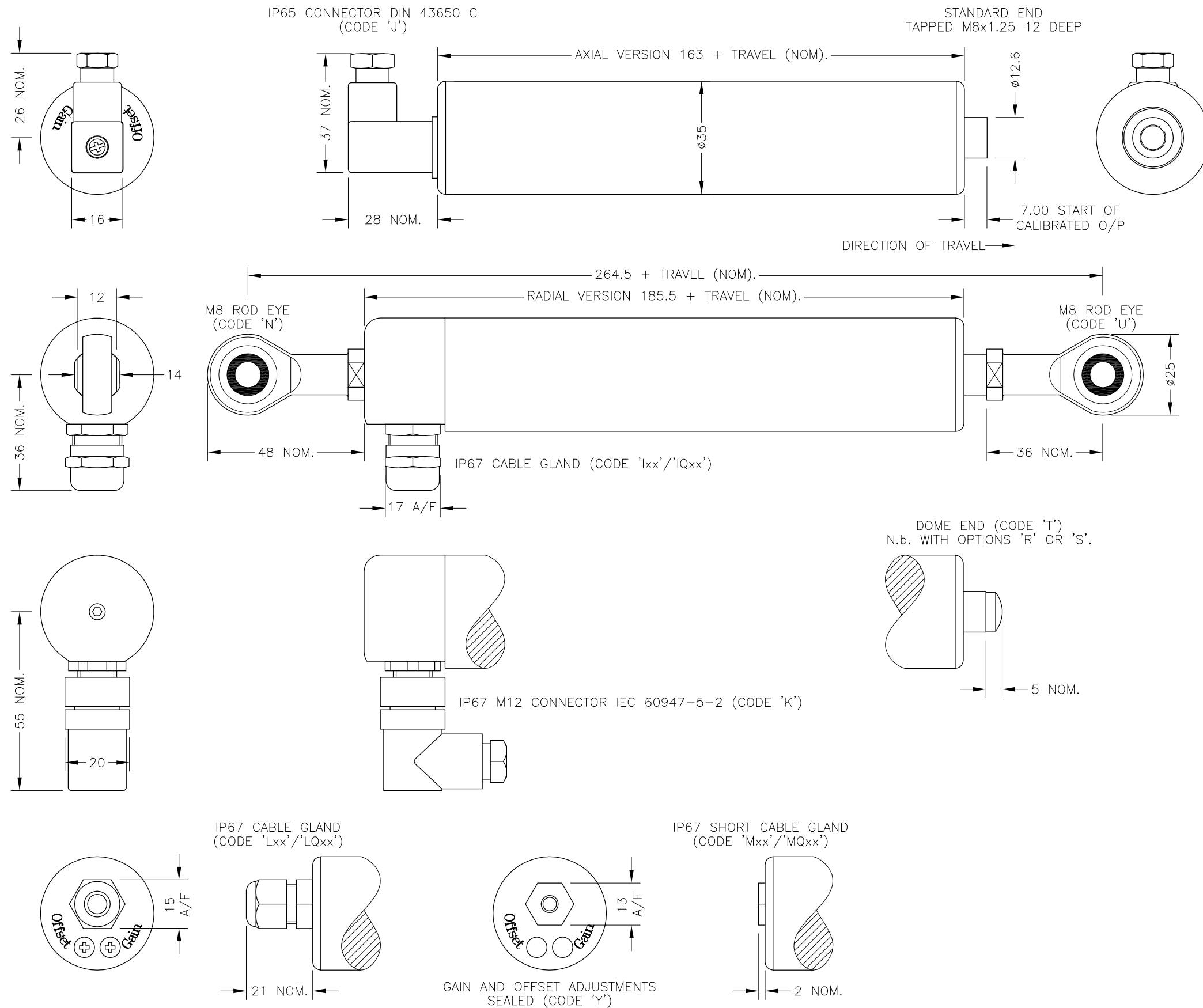


N.b. ROD-EYE ORIENTATION NOT GUARANTEED.



ELECTRICAL OPTIONS/ SPECIFICATIONS

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

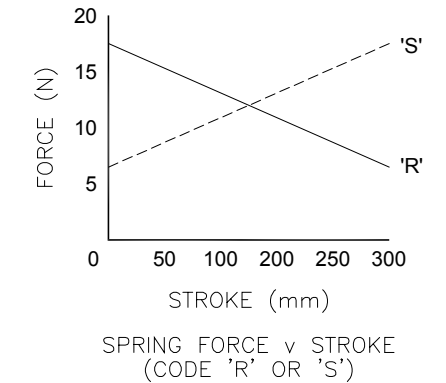
CABLE: 0.2mm², O/A SCREEN, PUR JACKET – SUPPLIED WITH 50cm OR REQUIRED LENGTH IN cm (15000cm MAX).
 STANDARD 3-CORE: JACKET Ø4mm BLACK e.g. 'L50'
 OPTIONAL 5-CORE: JACKET Ø4.6mm BLUE e.g. 'LQ50'

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 0-5mm TO 0-800mm e.g.76, IN INCREMENTS OF 1mm.

BODY MATERIAL: STAINLESS STEEL.
 FURTHER OPTIONS:
 SINGLE PAIR OF BODY CLAMPS 'P'
 TWO PAIRS OF BODY CLAMPS 'P2'
 SPRING RETURN PUSH-ROD, TRAVEL ≤300mm
 RETURN TO EXTENDED POSITION (CODE 'R')
 RETURN TO RETRACTED POSITION (CODE 'S')
 PUSH-ROD FREE (CODE 'V') – NOT AVAILABLE WITH SPRUNG OPTIONS.
 GAIN AND OFFSET ADJUSTMENTS NOT AVAILABLE WITH RADIAL BODY, CODE 'lxx' AND 'K', OPTIONS.



NOTE:- READ INSTALLATION SHEET X111-19 FOR FULL INSTRUCTIONS FOR USE.

ATEX / IECEx APPROVED TO

Ex ia IIC T4 Ga (Ta= -40° to +80°C)

Ui 11.4V, li 0.2A, Pi 0.51W

APPROVED FOR USE IN CONJUNCTION WITH A GALVANICALLY ISOLATED BARRIER.

NOTE: APPROVAL ONLY APPLIES AT NORMAL ATMOSPHERIC PRESSURE!

M	APPROVAL STANDARDS UPDATED - RAN465, SPRUNG OPTIONS 300 WAS 250 - RAN 473.	PDM
N	OPTIONS 'R' & 'S' OVER TRAVEL DIMS MODIFIED - RAN1030.	PDM
O	RANGE WAS 50-600mm RAN1056	RDS
P	5-CORE OPTION ADDED ~ RAN1102	PDM
Q	RANGE NOTE AMENDED ~ RAN1200	PDM



THE PUSH-ROD RETRACTS A FURTHER 4mm NOM. FROM START OF CALIBRATED TRAVEL. STANDARD VERSIONS THE PUSH-ROD EXTENDS A FURTHER 8mm NOM. FROM END OF CALIBRATED TRAVEL, FOR SPRUNG VERSIONS: 'R': 1mm, 'S': 2mm. 'V' CODED PUSH-ROD WILL DEPART SENSOR BODY.

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.



M	08/04/14	CHECKED BY X ±0.4 RDS X.X ±0.2 X.XX ±0.1 DIMS mm
N	28/07/15	
O	9/11/15	
P	07/04/17	DESCRIPTION
Q	29/08/17	X111 INTRINSICALLY SAFE RUGGED STAND ALONE LINEAR POSITION SENSOR
SCALE 12.5mm		DRAWING NUMBER X111-11 REV Q
		SHEET 1 OF 1