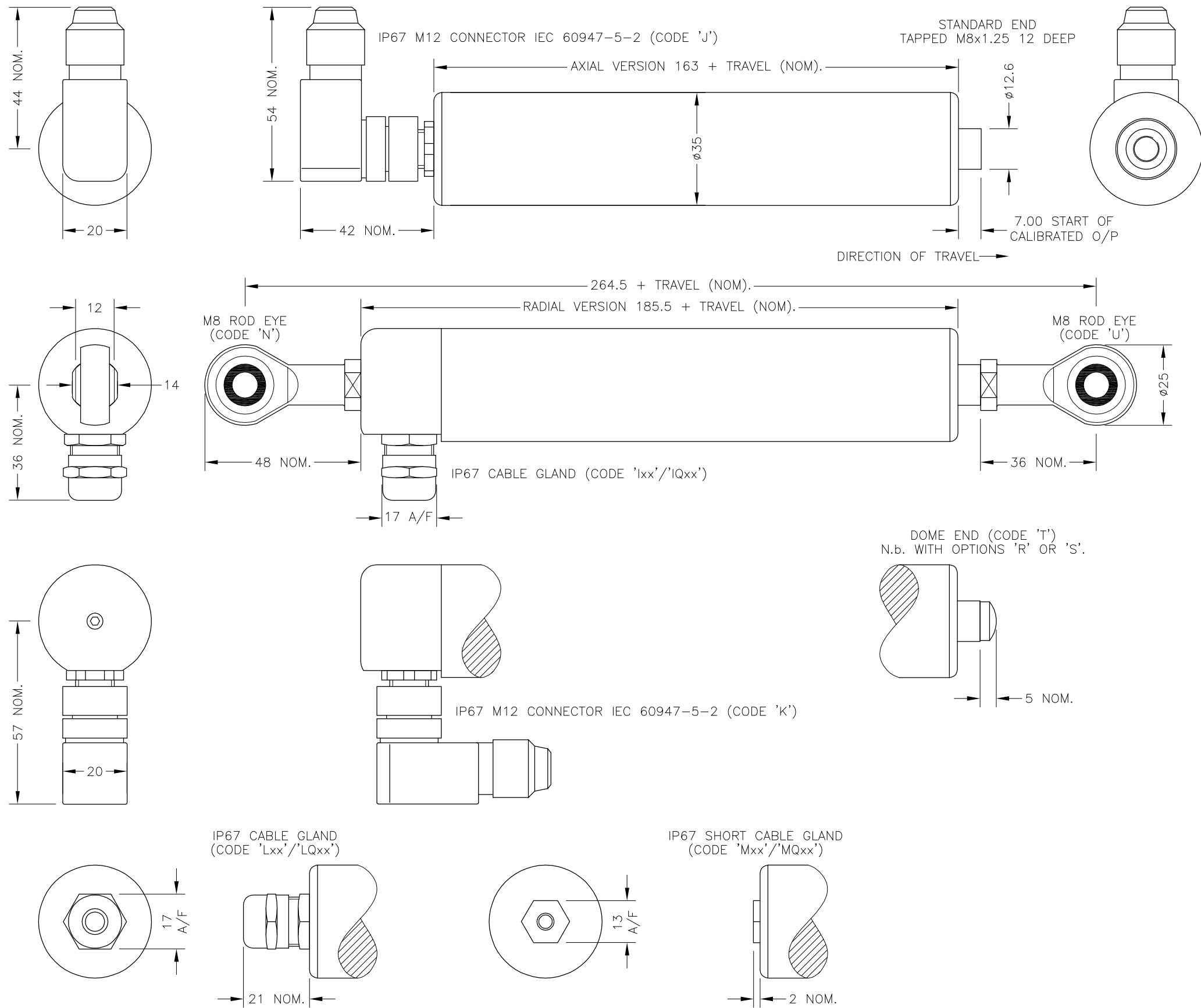


N.b. ROD-EYE ORIENTATION NOT GUARANTEED.

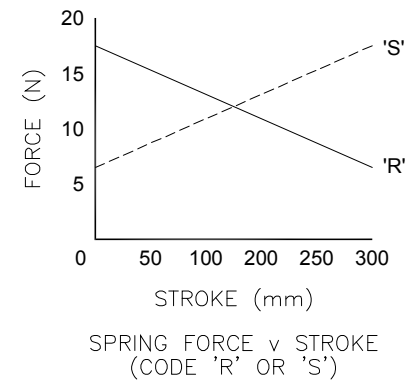


**ELECTRICAL OPTIONS/ SPECIFICATIONS**

| OUTPUT  | SUPPLY |                         |
|---|--------|-------------------------|
| 0.5 TO 4.5V RATIOMETRIC   | 5V     |                         |
| SUPPLY CURRENT 12mA TYP. 20mA MAX.  |        |                         |
| CABLE: 0.2mm <sup>2</sup> , 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 0.75mm<sup>2</sup>  
 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.



NOTE:- READ INSTALLATION SHEET E111-19 FOR FULL INSTRUCTIONS FOR USE.

**ATEX / IECEx APPROVED TO**  
  
 Ex ia IIC T4 Ga (Ta= -40° to +80°C)  
 Ex ia IIIC T135°C Da (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!

|   |  |     |
|---|--|-----|
| J | OPTIONS 'R' & 'S' OVER TRAVEL DIMS MODIFIED - RAN1030.   | PDM |
| K | RANGE WAS 50-600mm RAN1056                               | RDS |
| L | 5-CORE OPTION ADDED ~ RAN1102                            | PDM |
| M | OPTION 'M' ADDED ~ RAN1166, RANGE NOTE AMENDED ~ RAN1200 | PDM |

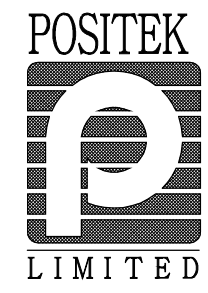


DRAWINGS NOT TO BE CHANGED WITHOUT REFERENCE TO THE CHANGE PROCEDURE. CHANGES TO PARTS USED IN INTRINSICALLY SAFE PRODUCT MUST BE APPROVED BY THE AUTHORISED PERSON  
 THIS IS AN UNCONTROLLED PRINT AND WILL NOT BE UPDATED.

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.



Via Paolo Uccello 4 - 20148 Milano  
 Tel +39 02 48 009 757 Fax +39 02 48 002 070 info@dspmindustria.it www.dspmindustria.it



|   |          |                |            |              |
|---|----------|----------------|------------|--------------|
| K   | 9/11/15  |                | CHECKED BY | X ±0.4       |
| L   | 11/04/17 |                | RDS        | X.X ±0.2     |
| M   | 29/08/17 |                |            | X.XX ±0.1    |
| DESCRIPTION   |          |                |            |              |
| E111 INTRINSICALLY SAFE RUGGED STAND ALONE LINEAR POSITION SENSOR |          |                |            |              |
| SCALE   | 12.5mm   | DRAWING NUMBER | E111-11    | REV M        |
|   |          |                |            | SHEET 1 OF 1 |