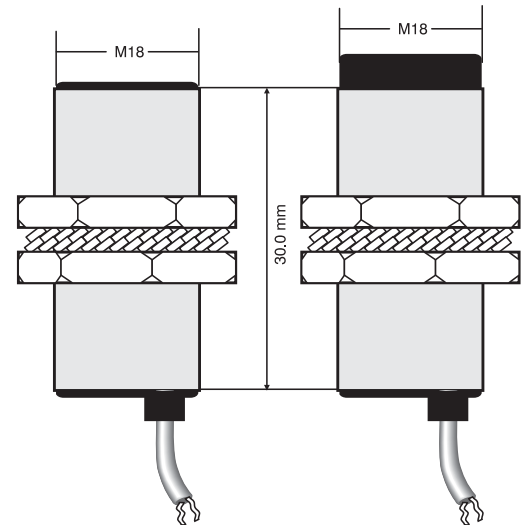


## M18X30 NAMUR INDUCTIVE PROXIMITY SWITCH/SENSOR

5mm / 8 mm  
FLUSH / NON FLUSH

### OPERATIONAL DATA:

- |                       |                                |
|-----------------------|--------------------------------|
| 1. MOUNTING IN METAL  | FLUSH / NON FLUSH              |
| 2. SWITCHING DISTANCE |                                |
| With Fe-ST37 PLATE    |                                |
| SIZE 18X18X1mm        | 5mm (FLUSH) / 8 mm (NON FLUSH) |
| 3. HYSTERESIS         | 3% TO 15%                      |
| 4. REPEATABILITY      | 0.01mm                         |
| 5. TEMPERATURE DRIFT  | < 10%                          |
| 6. AMB. TEMP. RANGE   | 0 DEG.C. TO 70 DEG.C.          |



### ELECTRICAL DATA:

- |                               |  |
|-------------------------------|--|
| 7. NAMUR OPERATIONAL DATA     | @ Vb=8.2V, @ TEMP=20 DEG.C.            |
| <b>DIN19234/ IS 5780-1980</b> | Sensing Distance =                     |
| <b>GR.I,IIA,IIB,IIC</b>       | 5mm <b>F</b> / 8mm <b>NF</b> @I=1.8mA. |
| 8. OPERATING VOLTAGE RANGE    | 5V TO 15V ; RL= 1 Kohm.                |
|                               | 12V TO 24V ; RL =2Kohm.                |
| 9. RIPPLE                     | < 10%                                  |
| 10. CURRENT CONSUMPTION       | <= 1mA.....ACTIVE FACE DAMPED          |
|                               | >= 4mA.....ACTIVE FACE UNDAMPED        |
|                               | 10mA.....MAXIMUM                       |
| 11. SWITCHING FREQUENCY       | 800Hz                                  |

### ORDERING CODE:

### TYPE

- |                    |                  |
|--------------------|------------------|
| PSIBB18NRFOCB02RSS | M18/FLUSH/5mm    |
| PSIBB18NRNOCB02RSS | M18/NONFLUSH/8mm |

### MECHANICAL DATA:

- |                 |   |
|-----------------|---|
| 12. HOUSING     | M18X1mm THREADED BRASS<br>BARREL Ni-CHROME PLATED       |
| 13. MOUNTING    | 18mm THRU HOLE FIXING BY<br>M18X1mm TAPPED PAIR OF NUTS |
| 14. TERMINATION | Cu CABLE PVC-INSULATED<br>2X0.34 Sq. mm                 |

**\*Please contact factory for different barrel lengths.**

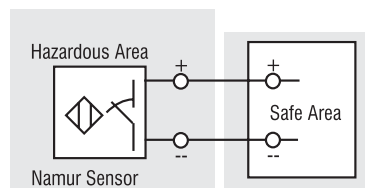


### PROTECTION FEATURES:

- |                   |             |
|-------------------|-------------|
| 16. ENVIRONMENTAL | <b>IP67</b> |
|-------------------|-------------|

### CONNECTION DETAILS:

- |       |    |
|-------|----|
| BROWN | +V |
| BLUE  | OV |



Certified for Intrinsically Safe area application as per Indian Standard IS 5780-1980 Gr I,IIA, IIB, IIC, equivalent to DIN 19234 / EN 50020 by CMRI, Dhanbad.



Specifications are subject to change without notice.