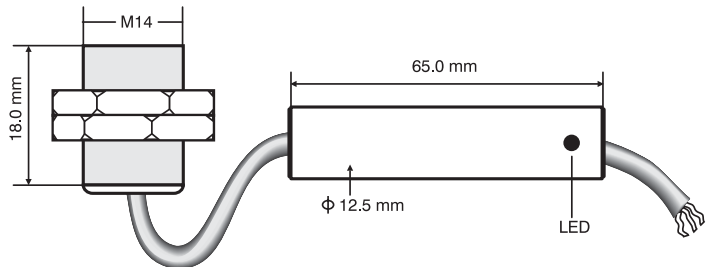


## M14DC INDUCTIVE PROXIMITY SWITCH/SENSOR WITH SEPARATE AMPLIFIER

4mm  
FLUSH

### OPERATIONAL DATA:

- |                                  |                       |
|----------------------------------|-----------------------|
| 1. MOUNTING IN METAL             | FLUSH                 |
| 2. SENSING DISTANCE with Fe/ST37 | 4mm(FLUSH)            |
|                                  | -14mmX14mmX1mm        |
| 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. OPERATING VOLTAGE       | 10 V TO 30 VDC         |
| 8. CURRENT CONSUMPTION     | < 20 mA                |
| 9. DROPOUT VOLTAGE         | <1V @ max load current |
| 10. SWITCHING FREQUENCY    | 1.5 KHz                |
| 11. LOAD CURRENT (MAXIMUM) | 200mA / 400mA          |

### ORDERING CODE:

### TYPE

- |                    |                    |
|--------------------|--------------------|
| PSIBB14NAFOCB02RSA | NPN/NO/200mA/FLUSH |
| PSIBB14NBFOCB02RSA | NPN/NO/400mA/FLUSH |

### MECHANICAL DATA:

- |                 |   |
|-----------------|---|
| 12. HOUSING     | M14 X 1mm THREADED BRASS<br>BARREL Ni-CHROME PLATED       |
| 13. MOUNTING    | 14 mm THRU HOLE FIXING BY<br>M14 X1mm TAPPED PAIR OF NUTS |
| 14. TERMINATION | Cu CABLE PVC INSULATED 3X0.34 Sq.mm.                      |

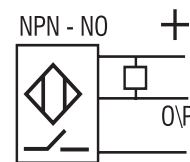
\* please contact factory for different barrel lengths.

### PROTECTION FEATURES:

- |                       |  |
|-----------------------|--|
| 15. ENVIRONMENTAL     | IP67(tested & certified by CMRI, Dhanbad.) |
| 16. POLARITY REVERSAL | YES  |
| 17. OUTPUT            | AGAINST INDEFINITE SHORT CIRCUIT           |

### CONNECTION DETAILS:

- |       |        |
|-------|--------|
| BROWN | +V     |
| BLACK | OUTPUT |
| BLUE  | 0 V    |



Specifications are subject to change without notice.