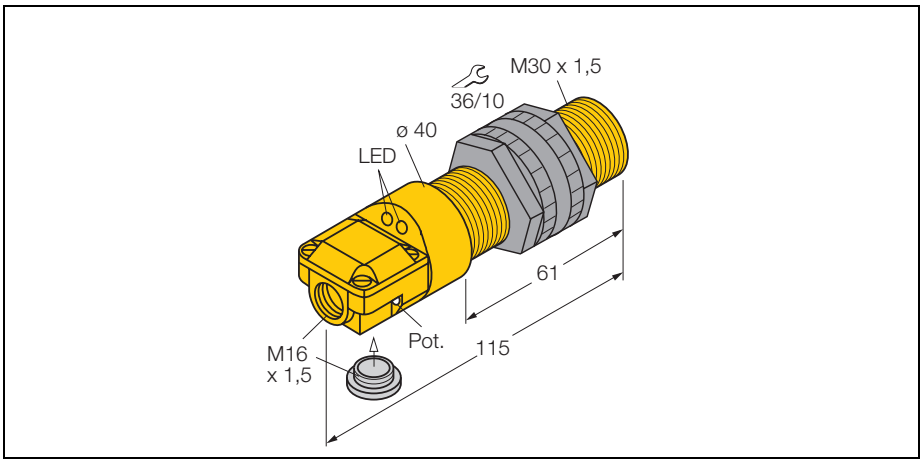
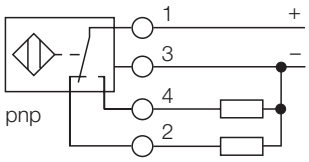
# capacitive sensor
# BC10-P30SR-VP4X2




- **2 cable entries (axial, radial)**
- **threaded barrel, M30 x 1.5**
- **plastic, ABS**
- **fine adjustment via potentiometer**
- **4-wire DC, 10…65 VDC**
- **change-over, pnp output**
- **Terminal chamber**

**Wiring diagram**




Capacitive proximity switches are designed for non-contact and wear-free detection of metal (electrically conductive) and non-metal (electrically non-conductive) objects.

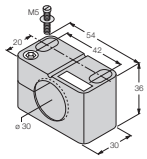
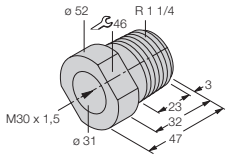
| | |
|---|---|
| **Type** | BC10-P30SR-VP4X2 |
| Ident-No. | 25050 |
| **Rated operating distance Sn** | 10 mm, flush mounting |
| Rated operating distance Sn | 15 mm, non-flush mounting |
| Hysteresis | 2… 20 % |
| Temperature drift | ≤ ± 20 % |
| Repeatability | ≤ 2 % |
| Ambient temperature | -25…+ 70 °C |
| **Operating voltage** | 10… 65VDC |
| Residual ripple | ≤ 10 % $U_{ss}$ |
| DC rated operational current | ≤ 200 mA |
| No-load current $I_0$ | ≤ 15 mA |
| Residual current | ≤ 0.1 mA |
| Switching frequency | ≤ 0.1 kHz |
| Rated insulation voltage | ≤ 0.5 kV |
| Output function | 4-wire, change-over, pnp |
| Short-circuit protection | yes / cyclic |
| Voltage drop at $I_e$ | ≤ 1.8V |
| Wire breakage / Reverse polarity protection | yes / complete |
| **Housing** | threaded barrel, M30 x 1.5 |
| Dimensions | 115 mm |
| Housing material | plastic, ABS |
| Material active face | plastic, ABS |
| Tightening torque of housing nut | 5 Nm |
| Connection | Terminal chamber |
| Vibration resistance | 55 Hz (1 mm) |
| Shock resistance | 30g (11 ms) |
| Degree of protection | IP67 |
| **Operating voltage display** | LED green |
| Display switch state | LED yellow |
| Included in scope of supply | blanking plug |

• Edition: • 25.11.2008

# capacitive sensor
# BC10-P30SR-VP4X2

Industrial Automation

## Accessories

| Type code | Ident-No. | Short text | Dimension drawing |
|---|---|---|---|
| BST-30B | 6947216 | fixing clamp with dead-stop; material: PA6 |  |
| MAP-M30 | 6950013 | mounting adapter; material: Polypropylene; sensor replacement with filled container possible (adapter remains in container during sensor replacement) |  |





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