

# Pick-to-Light Placement Sensor Capacitive Button K50ABTYXHQ



|      |            |
|------|------------|
| Type | K50ABTYXHQ |
| ID   | 3093107    |

|                         |               |
|-------------------------|---------------|
| Signal and display data |               |
| Purpose                 | Pick-to-Light |
| Function                | Touch Button  |
| Light type              | Yellow        |
| LED service life (L70)  | 50000 h       |
| Switch Function         | Momentary     |

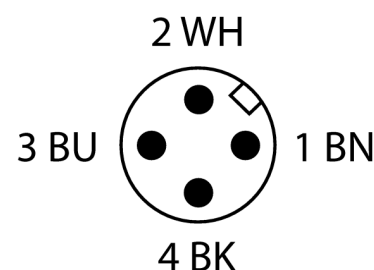
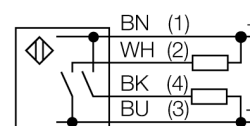
|                                  |                     |
|----------------------------------|---------------------|
| Electrical data                  |                     |
| Operating voltage $U_o$          | 12...30 VDC         |
| DC rated operating current $I_o$ | $\leq 150$ mA       |
| Output function                  | NO contact, PNP/NPN |

|                       |                               |
|-----------------------|-------------------------------|
| Mechanical data       |                               |
| Design                | Cylinder, threaded, K50       |
| Dimensions            | $\varnothing 50 \times 66$ mm |
| Housing material      | Plastic, PC                   |
| Window material       | Plastic, diffuse              |
| Electrical connection | Connector, M12 $\times$ 1     |
| Ambient temperature   | -40...+50 °C                  |
| Protection class      | IP67<br>IP69                  |

|                 |                                           |
|-----------------|-------------------------------------------|
| Tests/approvals |                                           |
| MTTF            | 146 years acc. to SN 29500 (Ed. 99) 40 °C |
| Approvals       | CE, UL listed                             |

- Protection classes IP67 / IP69K
- Male M12 x 1, 5-pin
- Disabled: Yellow (COL 1)
- Enabled: No color
- Operating voltage 10...30 VDC
- Bipolar circuit
- NO contact

## Wiring Diagram

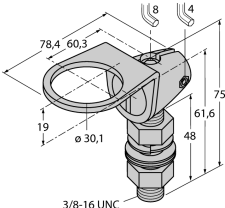


## Functional principle

The K50 placement sensor is suitable for many mounting and component placement applications. LED light is reflected perfectly by the entire dome. The device has two display colors depending on the version: Color 1 Shows the disabled state, color 2 the enabled

state. Since the device has no inputs, a color change is exclusively realized by touching the sensor (enable). Devices with a hold function keep the enabled state, even when the contact ends.

Accessories

| Type code | Ident no. |                                                                              | Dimension drawing                                                                    |
|-----------|-----------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| SMB30A    | 3032723   | Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread |   |
| SMB30SC   | 3052521   | Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable        |   |
| SMB30FA   | 3074005   | Montagewinkel; Werkstoff VA 1.4401                                           |  |

