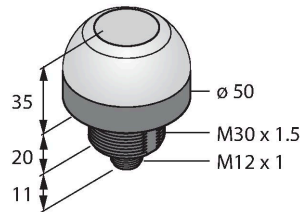


# K30ALBTRGHQ

## Pick-to-Light – Placement Sensor

### Capacitive Button



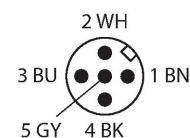
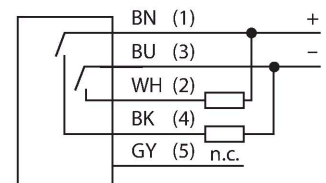
#### Technical data

|                                    |                         |
|------------------------------------|-------------------------|
| Type                               | K30ALBTRGHQ             |
| ID                                 | 3085166                 |
| Signal and display data            |                         |
| Purpose                            | Pick-to-Light           |
| Function                           | Touch Button            |
| Light type                         | Green                   |
| LED service life (L70)             | 50000 h                 |
| Switch Function                    | Latching                |
| Features of color 1                | Red, Permanently on     |
| Features of color 2                | Green                   |
| Special features                   | Wash down               |
| Electrical data                    |                         |
| Operating voltage $U_B$            | 12...30 VDC             |
| DC rated operating current $I_o$   | ≤ 150 mA                |
| Max. current consumption per color | 55 mA                   |
| Output function                    | NO contact, PNP/NPN     |
| Input type                         | Bipolar (PNP/NPN)       |
| Response time typical              | < 150 ms                |
| Mechanical data                    |                         |
| Design                             | Dome, K30               |
| Dimensions                         | Ø 30 x 54.5 mm          |
| Housing material                   | Plastic, PC, Black      |
| Window material                    | Polycarbonate, diffuse  |
| Electrical connection              | Connector, M12 × 1, PVC |
| Number of cores                    | 5                       |

#### Features

- Protection classes IP67 / IP69K
- Male M12 x 1, 5-pin
- Disabled: No color
- Enabled: Green (COL 2)
- Operating voltage 10...30 VDC
- Bipolar circuit
- NO contact
- Hold function

#### Wiring diagram



#### Functional principle

The K50 pick-and-place 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

Technical data

|                     |              |
|---------------------|--------------|
| Ambient temperature | -40...+50 °C |
| Relative humidity   | 0...90 %     |
| Protection class    | IP67<br>IP69 |
| Tests/approvals     |              |
| Approvals           | CE           |

keep the enabled state, even when the contact ends.

Accessories

|        |         |
|--------|---------|
| SMB22A | 3079414 |
|--------|---------|

Mounting bracket, stainless steel, for  
K30L series

