

# K30ALBT2GRHQ

## Pick-to-Light – Placement Sensor

### Capacitive Sensor



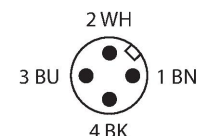
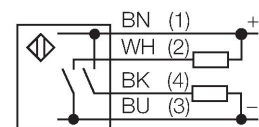
#### Technical data

|                                    |                               |
|------------------------------------|-------------------------------|
| Type                               | K30ALBT2GRHQ                  |
| ID                                 | 3802581                       |
| Signal and display data            |                               |
| Purpose                            | Pick-to-Light                 |
| Function                           | Touch Button                  |
| Light type                         | Green<br>Red                  |
| LED service life (L70)             | 50000 h                       |
| Switch Function                    | Latching                      |
| Features of color 1                | Green, Permanently on, 4.4 lm |
| Features of color 2                | Red, 1.7 lm                   |
| 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)22           |
| 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 x 1, PVC       |
| Number of cores                    | 5                             |

#### Features

- Protection classes IP67 IP69K
- M12 x 1 male connector, 5-pin
- Disabled: Green (COL 1)
- Enabled: Red (COL 2)
- Operating voltage 10...30 VDC
- Bipolar circuit
- NO contact
- Hold function
- Capacitive sensor of the second generation
- High immunity to false actuation by splashing, detergents, oils and other contaminants

#### Wiring diagram



#### Functional principle

The K30 pick-and-place sensor is suitable for many assembly and placement sequences. 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

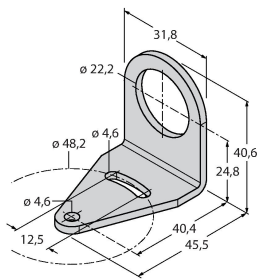
## Technical data

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

the enabled state, even when the contact ends.

## Accessories

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



Mounting bracket, stainless steel, for K30L series

## Accessories

| Dimension drawing | Type          | ID      |                                                                                                                         |
|-------------------|---------------|---------|-------------------------------------------------------------------------------------------------------------------------|
|                   | RKC4.4T-2/TEL | 6625013 | Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval |
|                   | WKC4.4T-2/TEL | 6625025 | Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval   |