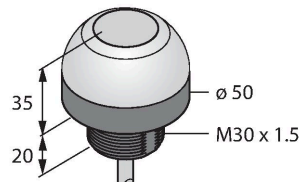


# K50APT2BYWF2

## Pick-to-Light – Placement Sensor

### Capacitive Sensor



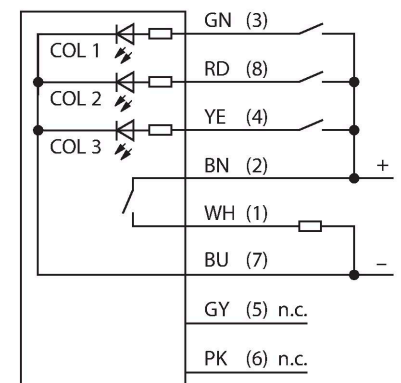
#### Technical data

Type	K50APT2BYWF2
ID	3804025
Signal and display data	
Purpose	Pick-to-Light
Function	Touch Button
Light type	Blue Yellow White
Switch Function	Momentary
Features of color 1	Blue, Permanently on, 29 lm
Features of color 2	Yellow, 24 lm
Features of color 3	White
Special features	Wash down
Electrical data	
Operating voltage	12...30 VDC
DC rated operational current	≤ 150 mA
Max. current consumption per color	75 mA
Output function	NO contact, PNP
Input type	PNP
Response time typical	< 50 ms
Mechanical data	
Design	Dome, K50
Dimensions	Ø 50 x 55 mm
Housing material	Plastic, PC, Black
Window material	Polycarbonate, diffuse
Electrical connection	Cable, 2 m, PVC

#### Features

- Protection classes IP67 IP69K
- Cable, 2 m
- Colors: Blue (COL 1), Yellow (COL 2), White (COL 3)
- PNP switching output, NO contact
- Capacitive sensor of the second generation
- High immunity to false actuation by splashing, detergents, oils and other contaminants

#### 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 keep the enabled state, even when the contact ends.

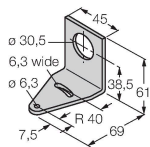
Technical data

Number of cores	8
Ambient temperature	-40...+50 °C
Relative humidity	0...90 %
Protection class	IP67 IP69
Tests/approvals	
MTTF	146 years acc. to SN 29500 (Ed. 99) 40 °C
Approvals	CE, cULus listed

Accessories

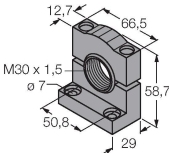
SMB30A 3032723

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

