

K50APT2GYRF2Q
Pick-to-Light – Placement Sensor
Capacitive Sensor



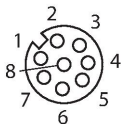
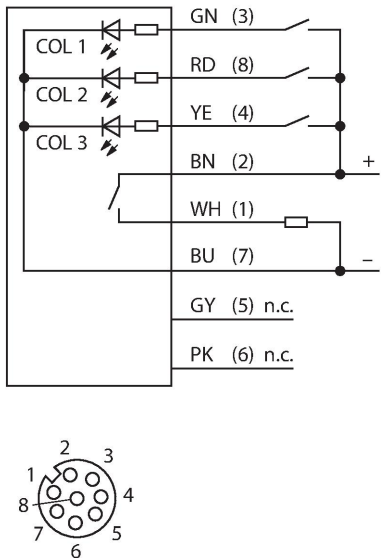
Technical data

Type	K50APT2GYRF2Q
ID	3097793
Signal and display data	
Purpose	Pick-to-Light
Function	Touch Button
Light type	Green Yellow Red
Switch Function	Momentary
Features of color 1	Green, Permanently on, 29 lm
Features of color 2	Yellow, 24 lm
Features of color 3	Red, 13 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	75 mA
Output function	NO contact, PNP
Input type	PNP
Response time typical	< 50 ms
Mechanical data	
Design	Dome, K50
Dimensions	$\varnothing 50 \times 66$ mm
Housing material	Plastic, PC, Black
Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 $\times$ 1, PVC

Features

- Protection classes IP67/IP69K
- M12 $\times$ 1 male connector, 8-pin
- Colors: Green (COL 1), Yellow (COL 2), Red (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

Technical data

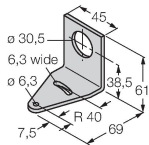
Number of cores	8
Ambient temperature	-40...+50 °C
Relative humidity	0...90 %
Protection class	IP67 IP69
Tests/approvals	
MTTF	146 years acc. to SN 29500 (Ed. 99) 40 °C
Approvals	CE, cULus listed

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

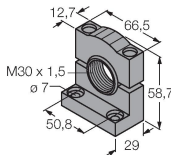
SMB30A3032723

Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread



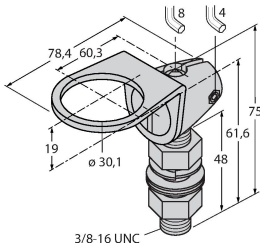
SMB30SC3052521

Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable



SMB30FA3074005

Montagewinkel; Werkstoff VA 1.4401



Accessories

Dimension drawing	Type	ID	
	RKC8T-2/TEL	6625130	Connection cable, M12 female connector, straight, 8-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
	WKC8T-2/TEL	6625133	Connection cable, M12 female connector, angled, 8-pin, cable length: 2 m, jacket material: PVC, black; cULus approval