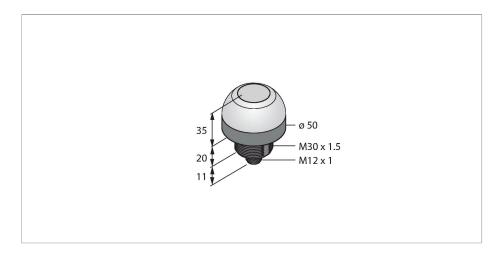


K50ALBTGYHQ Pick-to-Light – Placement Sensor Capacitive Button





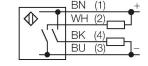
Signal and display data Purpose Pick-to-Light Function Touch Button Light type Green Yellow LED service life (L70) 50000 h Switch Function Latching Features of color 1 Green, Permanently on Features of color 2 Yellow Special features I/O module-compatible Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 150 mA Max. current consumption per color 75 mA Output function NO contact, PNP/NPN Input type PNP Response time typical < 150 ms Mechanical data Design Dome, K50 Dimensions Ø 50 x 66 mm	Туре	K50ALBTGYHQ	
Purpose Pick-to-Light Function Touch Button Light type Green Yellow LED service life (L70) 50000 h Switch Function Latching Features of color 1 Green, Permanently on Features of color 2 Yellow Special features I/O module-compatible Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 150 mA Max. current consumption per color 75 mA Output function NO contact, PNP/NPN Input type PNP Response time typical < 150 ms Mechanical data Design Dome, K50	ID	3085569	
Function Light type Green Yellow LED service life (L70) Switch Function Features of color 1 Features of color 2 Special features I/O module-compatible Wash down Electrical data Operating voltage DC rated operational current Max. current consumption per color Output function Input type Response time typical Dome, K50 Facen, Permanently on Freatures I/O module-compatible Wash down 1230 VDC 5 mA NO contact, PNP/NPN PNP Response time typical NO contact, PNP/NPN Dome, K50	Signal and display data		
Light type Green Yellow LED service life (L70) Switch Function Features of color 1 Features of color 2 Special features I/O module-compatible Wash down Electrical data Operating voltage DC rated operational current Max. current consumption per color Output function Input type Response time typical Mechanical data Dome, K50	Purpose	Pick-to-Light	
Yellow LED service life (L70) 50000 h Switch Function Latching Features of color 1 Green, Permanently on Features of color 2 Yellow Special features I/O module-compatible Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 150 mA Max. current consumption per color 75 mA Output function NO contact, PNP/NPN Input type PNP Response time typical < 150 ms Mechanical data Design Dome, K50	Function	Touch Button	
Switch Function Latching Features of color 1 Green, Permanently on Features of color 2 Yellow Special features I/O module-compatible Wash down Electrical data Wash down Operating voltage 1230 VDC DC rated operational current ≤ 150 mA Max. current consumption per color 75 mA Output function NO contact, PNP/NPN Input type PNP Response time typical < 150 ms	Light type		
Features of color 1 Green, Permanently on Features of color 2 Yellow Special features I/O module-compatible Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 150 mA Max. current consumption per color 75 mA Output function NO contact, PNP/NPN Input type PNP Response time typical < 150 ms Mechanical data Design Dome, K50	LED service life (L70)	50000 h	
Features of color 2 Special features I/O module-compatible Wash down Electrical data Operating voltage 1230 VDC DC rated operational current Max. current consumption per color Output function Input type Response time typical Mechanical data Design Pyellow I/O module-compatible Wash down I/O module-compatible I/O module-c	Switch Function	Latching	
Special features I/O module-compatible Wash down Electrical data 1230 VDC DC rated operational current ≤ 150 mA Max. current consumption per color 75 mA Output function NO contact, PNP/NPN Input type PNP Response time typical < 150 ms	Features of color 1	Green, Permanently on	
Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 150 mA Max. current consumption per color 75 mA Output function NO contact, PNP/NPN Input type PNP Response time typical < 150 ms Mechanical data Design Dome, K50	Features of color 2	Yellow	
Operating voltage 1230 VDC DC rated operational current ≤ 150 mA Max. current consumption per color 75 mA Output function NO contact, PNP/NPN Input type PNP Response time typical < 150 ms	Special features		
DC rated operational current ≤ 150 mA Max. current consumption per color 75 mA Output function NO contact, PNP/NPN Input type PNP Response time typical < 150 ms Mechanical data Design Dome, K50	Electrical data		
Max. current consumption per color 75 mA Output function NO contact, PNP/NPN Input type PNP Response time typical < 150 ms Mechanical data Design Dome, K50	Operating voltage	1230 VDC	
Output function NO contact, PNP/NPN Input type PNP Response time typical < 150 ms Mechanical data Design Dome, K50	DC rated operational current	≤ 150 mA	
Input type PNP Response time typical < 150 ms Mechanical data Design Dome, K50	Max. current consumption per color	75 mA	
Response time typical < 150 ms Mechanical data Design Dome, K50	Output function	NO contact, PNP/NPN	
Mechanical data Design Dome, K50	Input type	PNP	
Design Dome, K50	Response time typical	< 150 ms	
	Mechanical data		
Dimensions Ø 50 x 66 mm	Design	Dome, K50	
	Dimensions	Ø 50 x 66 mm	
Housing material Plastic, PC, Black	Housing material	Plastic, PC, Black	
Window material Polycarbonate, diffuse	Window material	Polycarbonate, diffuse	
Electrical connection Connector, M12 × 1, PVC	Electrical connection	Connector, M12 × 1, PVC	

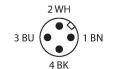


Features

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

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.

Technical data

Number of cores	5		
Ambient temperature	-40+50 °C		
Relative humidity	090 %		
Protection class	IP67 IP69		
Tests/approvals			
MTTF	146 years acc. to SN 29500 (Ed. 99) 40 °C		
Approvals	CE, UL listed		

Accessories

SMB30A	3032723
	Mounting bracket, rectangular, stainless steel, for sensors with 30mm
	thread

12,7 66,5 M30 x 1,5 Ø 7

SMB30SC 3052521

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





Montagewinkel; Werkstoff VA 1.4401

3074005

Accessories

Dimension drawing	Туре	ID	
M12 x 1 ø 15 1/2 1/4 1/15 1/2 1/4 1/15 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4	RKC4.4T-2/TEL	6625013	Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
0 15 M12 x 1 25 5 32	WKC4.4T-2/TEL	6625025	Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval