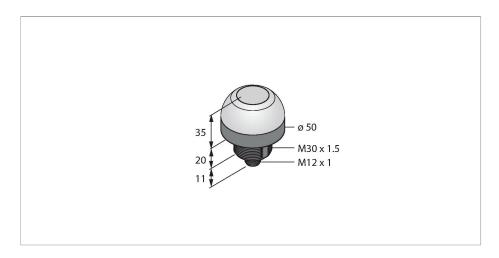


K50RPTGRCQ Pick-to-Light – Placement Sensor Capacitive Button





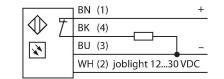
Signal and display data Purpose Pick-to-Light Function Touch Button Light type Green Red Switch Function Momentary Features of color 1 Green, Permanently on, 29 Im Features of color 2 Red, 13 Im Special features J/O module-compatible Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 150 mA Max. current consumption per color 75 mA	Туре	K50RPTGRCQ		
Purpose Pick-to-Light Function Touch Button Light type Green Red Switch Function Momentary Features of color 1 Green, Permanently on, 29 Im Features of color 2 Red, 13 Im Special features I/O module-compatible Wash down Electrical data Operating voltage DC rated operational current ≤ 150 mA	ID	3025096		
Function Light type Green Red Switch Function Momentary Features of color 1 Green, Permanently on, 29 Im Features of color 2 Red, 13 Im Special features I/O module-compatible Wash down Electrical data Operating voltage DC rated operational current 1 Comparison 1 Com	Signal and display data			
Light type Green Red Switch Function Momentary Features of color 1 Green, Permanently on, 29 Im Features of color 2 Red, 13 Im Special features I/O module-compatible Wash down Electrical data Operating voltage DC rated operational current ≤ 150 mA	Purpose	Pick-to-Light		
Red Switch Function Momentary Features of color 1 Green, Permanently on, 29 Im Features of color 2 Red, 13 Im Special features I/O module-compatible Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 150 mA	Function	Touch Button		
Features of color 1 Green, Permanently on, 29 Im Features of color 2 Red, 13 Im Special features I/O module-compatible Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 150 mA	Light type			
Features of color 2 Red, 13 Im Special features I/O module-compatible Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 150 mA	Switch Function	Momentary		
Special features I/O module-compatible Wash down Electrical data Operating voltage DC rated operational current ≤ 150 mA	Features of color 1	Green, Permanently on, 29 Im		
Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 150 mA	Features of color 2	Red, 13 lm		
Operating voltage 1230 VDC DC rated operational current ≤ 150 mA	Special features			
DC rated operational current ≤ 150 mA	Electrical data			
·	Operating voltage	1230 VDC		
Max. current consumption per color 75 mA	DC rated operational current	≤ 150 mA		
	Max. current consumption per color	75 mA		
Output function NC contact, PNP	Output function	NC contact, PNP		
Input type PNP	Input type	PNP		
Response time typical < 50 ms	Response time typical	< 50 ms		
Mechanical data	Mechanical data			
Design Dome, K50	Design	Dome, K50		
Dimensions Ø 50 x 66 mm	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		
Number of cores 4	Number of cores	4		

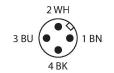


Features

- ■Protection class IP67
- Male M12 x 1, 4-pin
- ■Job light: green
- Mispick: -
- Actuation: red
- Operating voltage 12...30 VDC
- ■PNP switching
- ■NC contact

Wiring diagram





Functional principle

The K50 pick-and-place sensor is suitable for many mounting and component placement applications. The green work light or other signal lights are reflected perfectly by the entire dome (depending on the version). The transistor output can be easily connected to a system control, which is programmed for a special task sequence. The work light of the sensor is located in or next to every bin at the operator's workstation and indicates: 1. The bins with the components to be picked up for a particular work step and 2. the

Technical data

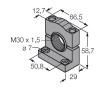
Ambient temperature	-40+50 °C		
Relative humidity	090 %		
Protection class	IP67 IP69		
Tests/approvals			
MTTF	146 years acc. to SN 29500 (Ed. 99) 40 °C		
Approvals	CE, cULus listed		

sequence in which the components have to be picked up. If the operator removes a part from the bin, the K50 detects the hand in the bin and sends a signal to the control unit. The system then checks if the correct component has been picked up and - depending on the configuration - switches the corresponding work light off and the next one on, according to the assembly sequence. The work sequence control leads to increased efficiency, improved quality control and reduces rework and testing expenses. The term work light therefore refers to the visual indicator of the bin from which a part should be removed next. The actuation indicator confirms the removal with a different color. The mispick indicator illuminates if a bin was reached into when the work light was not

Accessories

SMB30A	3032723	SMB30SC	3052521
Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread			Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable





SMB30FA 3074005



Montagewinkel; Werkstoff VA 1.4401

Accessories

Dimension drawing	туре	טו	
	RKC4.4T-2/TEL	6625013	Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus





Dimension drawing

Type

WKC4.4T-2/TEL

6625025

Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval