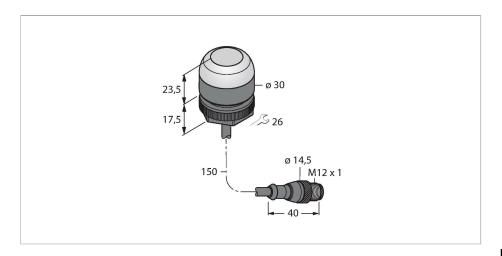


K30APT2YREQP Pick-to-Light – Placement Sensor Capacitive Sensor





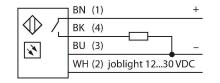
Туре	K30APT2YREQP		
ID	3805315		
Signal and display data			
Purpose	Pick-to-Light		
Function	Touch Button		
Switch Function	Momentary		
Features of color 1	Yellow, Permanently on, 4.4 Im		
Features of color 2	Red, 1.7 lm		
Special features	Wash down		
Electrical data			
Operating voltage U _B	1230 VDC		
DC rated operating current I _e	≤ 150 mA		
Max. current consumption per color	55 mA		
Output function	NO contact, PNP		
Input type	PNP		
Response time typical	< 150 ms		
Mechanical data			
Design	Dome, K30		
Dimensions	Ø 30 x 41 mm		
Housing material	Plastic, PC		
Window material	Plastic		
Electrical connection	Cable with connector, M12 × 1, 0.15 m, PVC		
Number of cores	4		
Ambient temperature	-40+50 °C		
Relative humidity	090 %		



Features

- Protection classes IP67 IP69K
- Cable with M12 x 1 male connector, 5-pin, 150 mm
- ■Work light: Yellow
- Mispick: Red
- Actuation not signalled
- Operating voltage 12...30 VDC
- ■PNP switching
- ■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 K30 pick-and-place sensor is suitable for many assembly and placement sequences. 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 sequence in which the components have to be picked up. If the operator removes a part from the bin, the K30 detects the hand in the bin and sends a signal to the control unit. The system then checks

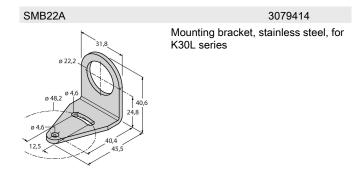
Technical data

IP67 Protection class IP69

Tests/approvals

Approvals CE, cULus listed 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

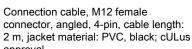


Accessories

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



WKC4.4T-2/TEL



approval