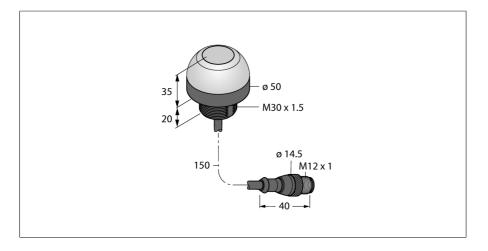
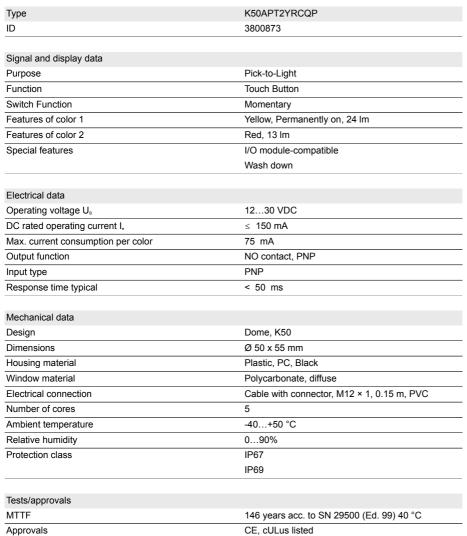


Pick-to-Light Placement Sensor Capacitive Sensor K50APT2YRCQP

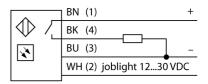






- Protection classes IP67 IP69K
- Cable with M12 x 1 male connector, 4-pin, 150 mm
- Work light: yellow
- Mispick: -
- Actuation: red
- Operating voltage 12...30 VDC
- PNP switching
- NO contact
- Capacitive sensor of the second generation
- High immunity to false actuation by splashing, detergents, oils and other contaminants

Wiring Diagram



Functional principle

The 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 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 set



Accessories

Type code	Ident no.		Dimension drawing
SMB30A	3032723	Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread	o 30,5 6,3 wide o 6,3 7,5 R 40 69
SMB30SC	3052521	Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable	12,7 66,5 0 7 50,8 29
SMB30FA	3074005	Montagewinkel; Werkstoff VA 1.4401	78.4 60.3 78.4 60.3 75 19 0 30.1 48