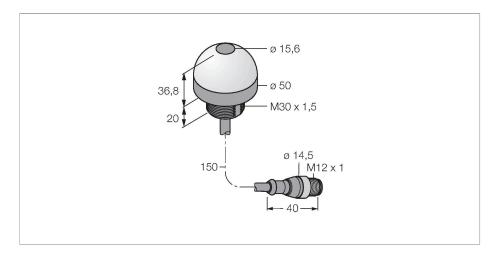


K50FF100GRYS1QP Pick-to-Light – Placement Sensor Diffuse Mode Sensor with Fixed-field Background Suppression



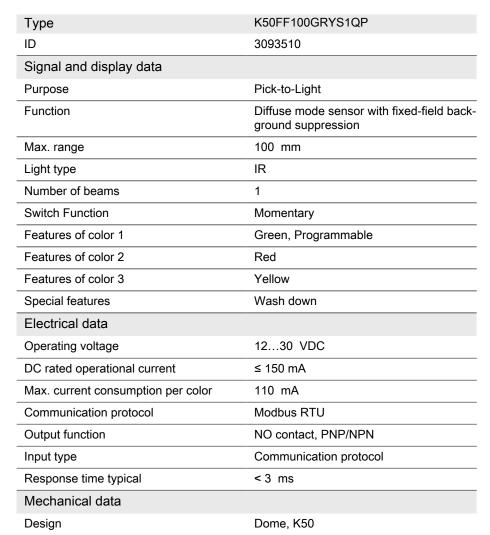
Technical data

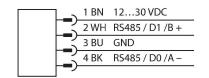
Dimensions

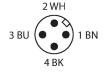
Features

- Protection class IP67
- Cable with M12 × 1 male connector, 4-pin, 150 mm
- Fixed background suppression at 100 mm
- ■Job light, green
- Mispick, red
- ■Actuation, yellow
- Operating voltage 12...30 VDC
- RS485 interface
- ■Supports Modbus RTU

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

Ø 50 x 56.8 mm

color. The mispick indicator illuminates if a bin was reached into when the work light was not set

Technical data

Housing material	Plastic, PC, Black
Window material	Polycarbonate, diffuse
Electrical connection	Cable with connector, M12 × 1, 0.15 m, PVC
Number of cores	4
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

Accessories

SMB30A 3032723

Mounting bracket, rectangular,

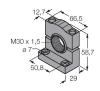
stainless steel, for sensors with 30mm thread

SMB30SC

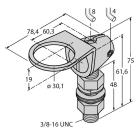
Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable

3052521





SMB30FA 3074005



Montagewinkel; Werkstoff VA 1.4401

Accessories

Dimension drawing	Туре	ID	
	RKC4.4T-2/TEL	6625013	Connection cal



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

