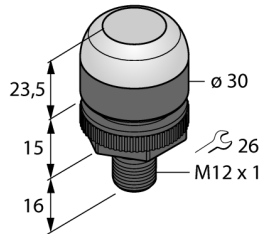


Pick-to-Light placement sensor capacitive button K30APTGRF2Q

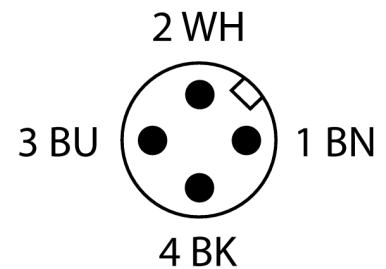
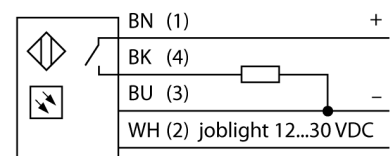
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- Protection class IP67
- Male M12 x 1, 4-pin
- Job light: green
- Mispick: -
- Actuation: red
- Operating voltage 12...30 VDC
- PNP switching
- NO contact

Wiring Diagram



Functional principle

The K30 placement sensor is suitable for many assembly and placement sequences. The entire dome indicates the highly visible green job light or another signal (depending on the version). The transistor output can be easily connected to a system control which is programmed for a special task sequence. The job light of the sensor is located in or beside every container of the component placement station and signals: Detects 1. the containers with the components that have to be picked for a job and 2. the sequence in which they have to be removed. 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 if the correct component has been picked and switches – depending on the configuration – the corresponding job light off and switches on the next job light of the container which is next in the assembly sequence. The control of the working procedure leads to increased efficiency, improved quality control and reduces the rework and testing expense.

Type designation

Ident no.

K30APTGRF2Q
3085202

Purpose

Operating mode	Pick-to-Light
Design	Touch Button
Construction type designation	Cylinder, threaded
Housing material	K30
Electrical connection	Plastic, PC
Electrical design	M12 connector, M12 x 1, 4-wire
Protection class	DC, NO contact, PNP
Ambient temperature	IP67
Approvals	-40...+70 °C
	CE

Operating voltage

DC rated operational current

12...30 VDC
≤ 150 mA

**Pick-to-Light
placement sensor
capacitive button
K30APTGRF2Q**

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Accessories

Type code	Ident no.	Description	
SMB22A	3079414	Mounting bracket, stainless steel, for K30L series	