

Photoelectric Sensor
BOS 2K-PS-RH11-02
Sn=30mm
Diffuse, Background suppression

Common Data

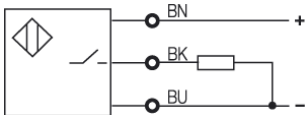
| | |
|-----------------------------------|---------------------------------|
| Series | 2K |
| Sensortype | Diffuse, Background suppression |
| Switching frequency | 800 Hz |
| Rated operating distance Sn in mm | 30 |
| Indication Switching element on | yes, yellow LED |
| Ambient temperature | -20...+50°C |
| On-delay | <0,6ms |
| Light | Red light, 660nm |
| Diameter of active zone | 4,5mm at 30mm |
| Permissible ambient light | per EN 60947-5-2 |
| Output function | light-on |

Mechanical Data

| | |
|--------------------------|---------------------------------|
| Measurements | 25,1 x 7,6 x 12,6 |
| Shock | Halfsinus, 30gn, 11ms |
| Vibration | 10...55Hz, 1,5mm Amplitude 3x2h |
| Housing material | ABS |
| Material of sensing face | PMMA |
| Degree of protection | IP67 |
| Connection | Cable |
| Weight | 18g |
| Type of Cable | PVC, 3x0,09mm ² |

Electrical Data

| | |
|-------------------------------------|---------------|
| Current | DC |
| Switching function | normally-open |
| Output | PNP |
| Rated operational voltage Ue | 24 |
| Rated operational current Ie | <50mA |
| Supply Voltage | 10...30V DC |
| Ripple | < 5% from UB |
| Frequency of Supply Voltage | DC |
| No-load supply current | <20mA |
| Voltage drop | ≤2,5V |
| Short protection | yes |
| Protected against polarity reversal | yes |



Utilization categories III
 Insulation class III

Datasheet number:

Definitions see general catalog.
 If not otherwise noted, ratings according to IEC 60947-5-2 (DIN EN60947-5-2)

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