

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

### Common Data

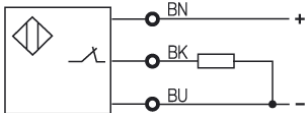
Series	2K
Sensortype	Diffuse, Background suppression
Switching frequency	800 Hz
Rated operating distance Sn in mm	30
Indication Switching element on	yes, yellow LED
Ambient temperature	-20...+50°C
On-delay	<0,6ms
Light	Red light, 660nm
Diameter of active zone	4,5mm at 30mm
Permissible ambient light	per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

### Electrical Data

Current	DC
Switching function	normally-closed
Output	PNP
Rated operational voltage U <sub>e</sub>	24
Rated operational current I <sub>e</sub>	<50mA
Supply Voltage	10...30V DC
Ripple	< 5% from U <sub>B</sub>
Frequency of Supply Voltage	DC
No-load supply current	<20mA
Voltage drop	≤2,5V
Short protection	yes
Protected against polarity reversal	yes



Utilization categories  
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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Datenblatt by CD-ROM - 04/2007

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