

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

Common Data

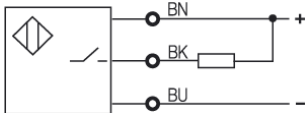
Series	2K
Sensortype	Diffuse, Background suppression
Switching frequency	800 Hz
Rated operating distance Sn in mm	30
Indication Switching element on	yes, yellow LED
Ambient temperature	-20...+50°C
On-delay	<0,6ms
Light	Red light, 660nm
Diameter of active zone	4,5mm at 30mm
Permissible ambient light	per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