

Photoelectric Sensor
BOS 2K-NS-RE10-02
Sn=1200mm
through-beam, receiver

Common Data

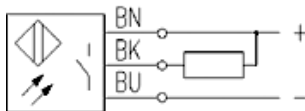
Series	2K
Sensortype	through-beam, receiver
Switching frequency	200 Hz
Rated operating distance Sn in mm	1200
Indication Switching element on	yes, yellow LED
Ambient temperature	-20...+50°C
On-delay	<2,5ms
Light	Red light, 660nm
Diameter of active zone	10mm at 100mm
Permissible ambient light	per EN 60947-5-2
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	36g

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	<10mA
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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