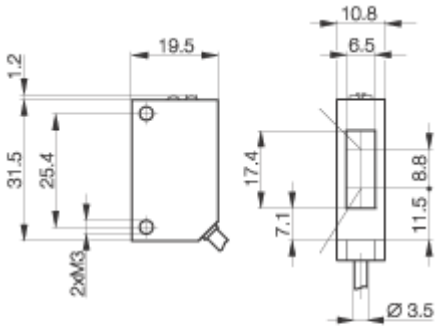
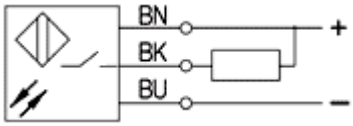
Optoelectronic Sensors
BOS 5K-NS-RD11-01

BALLUFF

Diffuse
31,5 x 19,5 x 10,8
Sn = 200 mm





Approvals

CE

If not differently indicated,
all values by IEC 947-5-2 (DIN EN60947-5-2)

Sensing distance measured with :
Kodak white card 100mm x 100mm, 90% reflection
Specifications subject to change

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Telefon (07158) 173-0
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Common Data

Sensortype		Diffuse
Switching frequence		500 Hz
Rated operating distance Sn	mm	200
asured operating distance Sa	mm	adjustable
Indication supply voltage		yes, green LED
Indication switching element		yes, yellow LED
Ambient temperature	°C	-25...+55°C
On/Off-delay		1ms
Light		Red light, 660nm
Sensitivity adjustment		Poti 270°
Permissable ambient light	lux	5000

Mechanical Data

Measurements BxHxT or DxT	mm	31,5 x 19,5 x 10,8
Housing material		PC/PBT
Material of sensing face		PC
Degree of protection	IP	IP67
Connection		Cable
Weight		30g
Type of cable		PVC

Electric Data

Current		DC
Switching function		normally-open
Output		NPN
Rated operational voltage Ue	V	24
Rated operational current Ie	mA	100
Supply voltage	V	10-30 DC
No-load supply current	mA	⩽ 30
Voltage drop	V	⩽ 1,2
Short protection		yes
Protectde against polarity rev		yes

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