

# Photoelectric Sensor BOS 36K-PA-1QH-S 4-C Sn=8000mm Retroreflective

## Common Data

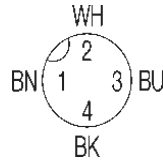
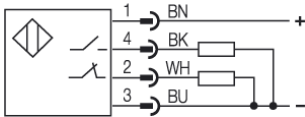
Series	36K
Sensortype	Retroreflective
Switching frequency	500 Hz
Rated operating distance Sn in mm	8000
asured operating distance Sa	adjustable
Indication Supply Voltage	yes, green LED
Indication Switching element on	yes, yellow LED
Indication Special funktion	Contamination indicator, green LED
Ambient temperature	-20...+60°C
On-delay	1ms
Off-delay	<0,5ms
Light	Red light
Wavelength / Laser protection class	Polarizing filter
Sensitivity Adjustment	Poti
Blind zone / min Reflector distance	100mm
Permissable ambient light	5000 Lux
Output function	light-on or dark-on

## Mechanical Data

Measurements	65x55x20
Housing material	ABS impact resistant
Material of sensing face	PMMA
Degree of protection	IP66
Connection	Connector S4 (M12)
Connection turnable	Connector 270° turnable
Weigth	130g
Recommended connector	BKS-S20-3

## Electrical Data

Current	DC
Switching function	NO/NC
Output	PNP
Rated operational voltage Ue	24V DC
Rated operational current Ie	200mA
Supply Voltage	10...30V DC
Ripple	< 10% from UB
Frequency of Supply Voltage	DC
No-load supply current	<40mA
Voltage drop	<2V
Short protection	yes
Protected against polarity reversal	yes
Rated insulation voltage	250V AC
max. Load capacity	0,33µF



Utilization categories  
Insulation class

Datasheet number:

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

Balluff GmbH  
Schurwaldstrasse 9  
73765 Neuhausen a.d.F.  
Phone (07158) 173-0 Fax (07158) 5010

Datenblatt by CD-ROM - 04/2007

**BALLUFF**  
sensors worldwide