

## Photoelectric Sensor BOS 25K-5-C90-02 Sn=900mm Diffuse

### Common Data

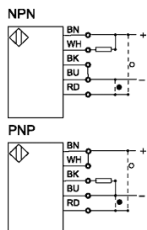
Series	25K
Sensortype	Diffuse
Switching frequency	500 Hz
Rated operating distance Sn in mm	900
asured operating distance Sa	adjustable
Repeat accuracy	< 5% from Sn
Hysteresis	< 10%
Indication Switching element on	yes, red LED
Ambient temperature	-15...+55°C
On-delay	< 1ms
Off-delay	< 1ms
Light	Infrared
Sensitivity Adjustment	Poti
Blind zone / min Reflector distance	1mm / -
Permissable ambient light	3000 Lux
Output function	light-on or dark-on

### Mechanical Data

Measurements	50x50x16
Shock	Halfsinus, 30gn, 11ms
Vibration	10...55Hz, 1,5mm Amplitude 3x2h
Housing material	ABS UL 94 V-O
Material of sensing face	PMMA
Degree of protection	IP65
Connection	Cable
Weigth	160g
Type of Cable	PVC

### Electrical Data

Current	DC
Switching function	NO/NC
Output	PNP/NPN
Rated operational voltage Ue	24V DC
Rated operational current Ie	100mA
Supply Voltage	10...30V DC
Ripple	max. 6% from UB
Frequency of Supply Voltage	DC
Voltage drop	<1,5V
Short protection	yes
Rated insulation voltage	75V DC
max. Load capacity	1µF



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