

**Photoelectric Sensor  
BOS 15K-S-E1-P-S 75  
Sn=mm  
Basic Unit for Fibre optic**

**Common Data**

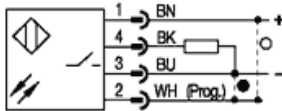
Sensortype	Basic Unit for Fibre optic
Switching frequency	500 Hz
assured operating distance Sa	belonging to Fibre optic
Hysteresis	< 20%
Indication Supply Voltage	no
Indication Switching element on	yes, red LED
Indication Special funktion	LED green Stability indicator
Ambient temperature	-15...+55°C
On-delay	< 1ms
Off-delay	< 1ms
Light	Red light
Sensitivity Adjustment	Poti
Blind zone / min Reflector distance	belonging to Fibre optic
Special funktion	Stabilization indicator
Permissible ambient light	3000 Lux
Output funktion	light-on or dark-on

**Mechanical Data**

Measurements	28x69x13
Shock	Halfsinus, 30gn, 11ms
Vibration	10...55Hz, 1,5mm Amplitude 3x2h
Housing material	ABS
Material of sensing face	belonging to fibre optic
Degree of protection	IP66
Connection	Connector S75 (M8,4-pin)
Weigth	30g

**Electrical Data**

Current	DC
Switching funktion	switchable
Output	PNP
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
Protected against polarity reversal	no
Rated insulation voltage	75VDC
max. Load capacity	0,5µF



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)

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Datenblatt by CD-ROM - 10/2004

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