

## Photoelectric Sensor BOS 21M-PA-LR10-S4 Sn=20000mm Retroreflective

### Common Data

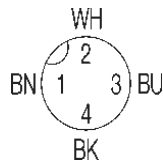
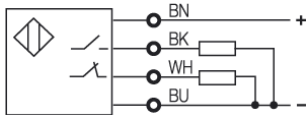
Series	21M
Sensortype	Retroreflective
Switching frequency	2000 Hz
Rated operating distance Sn in mm	20000
asured operating distance Sa	100...20000
Repeat accuracy	0,02mm
Hysteresis	< 20%
Indication Supply Voltage	yes
Indication Switching element on	yes
Indication Special funktion	no
Ambient temperature	-10...+50°C
On-delay	= 0,25ms
Off-delay	< 1ms
Light	polarized red light 650nm
Sensitivity Adjustment	Poti
Permissible ambient light	5000 Lux

### Mechanical Data

Measurements	50x42,5x15
Shock	Halfsinus, 30gn, 11ms
Vibration	55Hz, 1mm Amplitude 3x30Min
Housing material	Gd-Zn, Epoxy-coated
Material of sensing face	PMMA
Degree of protection	IP67
Connection	Connector S4 (M12)
Weigth	80g

### Electrical Data

Current	DC
Switching function	NO/NC
Output	PNP
Rated operational voltage Ue	24V DC
Rated operational current Ie	100mA
Supply Voltage	10...30V DC
Ripple	< 15% from UB
Frequency of Supply Voltage	DC
No-load supply current	<35mA
Voltage drop	<2V
Short protection	yes
Protected against polarity reversal	yes
Rated insulation voltage	75VDC
max. Load capacity	=1000nF



Utilization categories  
Insulation class

DC 13  
II

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 - 04/2007

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