

# Photoelectric Sensor BOS 21M-NA-RD10-S4 Sn=1000mm Diffuse

## Common Data

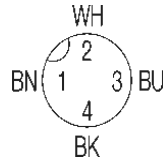
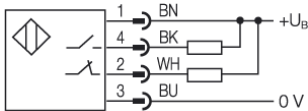
Series	21M
Sensortype	Diffuse
Switching frequency	500 Hz
Rated operating distance Sn in mm	1000
asured operating distance Sa	10...1000
Repeat accuracy	0,01mm
Hysteresis	< 20%
Indication Supply Voltage	no
Indication Switching element on	yes, yellow LED
Indication Special funktion	LED green Stability indicator
Ambient temperature	-25...+55°C
On-delay	< 1ms
Off-delay	< 1ms
Light	Red light, 650nm
Sensitivity Adjustment	Poti
Special funktion	Stabilization indicator
Permissable ambient light	10000 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	NPN
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

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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