

Photoelectric Sensor BOS 21M-NA-ID10-S4 Sn=2000mm Diffuse

Common Data

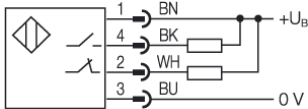
Series	21M
Sensortype	Diffuse
Switching frequency	500 Hz
Rated operating distance Sn in mm	2000
asured operating distance Sa	50...2000
Repeat accuracy	< 1%
Hysteresis	< 20%
Indication Supply Voltage	no
Indication Switching element on	yes, yellow LED
Indication Special funktion	LED green Stability indicator
Ambient temperature	-25...+55°C
On-delay	< 1ms
Off-delay	< 1ms
Light	infrared light
Sensitivity Adjustment	Poti
Special funktion	Stabilization indicator
Permissible 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

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