

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

Common Data

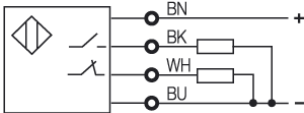
| | |
|-----------------------------------|-------------------------------|
| Series | 21M |
| Sensortype | Diffuse |
| Switching frequency | 500 Hz |
| Rated operating distance Sn in mm | 2000 |
| asured operating distance Sa | 50...2000 |
| Repeat accuracy | < 1% |
| Hysteresis | < 20% |
| Indication 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 |
| 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 funktion | 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

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

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