

Photoelectric Sensor BOS 25K-5-B3-P-S 4 Sn=4000mm Retroreflective

Common Data

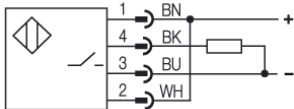
| | |
|-------------------------------------|---------------------|
| Series | 25K |
| Sensortype | Retroreflective |
| Switching frequency | 500 Hz |
| Rated operating distance Sn in mm | 4000 |
| asured operating distance Sa | adjustable |
| Repeat accuracy | < 5% from Sn |
| Hysteresis | < 10% |
| Indication Switching element on | yes, red LED |
| Ambient temperature | -15...+55°C |
| On-delay | < 1ms |
| Off-delay | < 1ms |
| Light | Red light |
| Sensitivity Adjustment | Poti |
| Blind zone / min Reflector distance | 0/5mm |
| Special function | Polarizing filter |
| Permissible ambient light | 3000 Lux |
| Output function | light-on or dark-on |

Mechanical Data

| | |
|--------------------------|---------------------------------|
| Measurements | 50x50x16 |
| Shock | Halfsinus, 30gn, 11ms |
| Vibration | 10...55Hz, 1,5mm Amplitude 3x2H |
| Housing material | ABS UL 94 V-O |
| Material of sensing face | PMMA |
| Degree of protection | IP65 |
| Connection | Connector S4 (M12) |
| Weighth | 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 | max. 6% from UB |
| Frequency of Supply Voltage | DC |
| Voltage drop | <1,5V |
| Short protection | yes |
| Rated insulation voltage | 75V DC |
| max. Load capacity | 1µF |



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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