

Photoelectric Sensor
BOS 15K-R-C10-P-S 75
Sn=100mm
Diffuse

Common Data

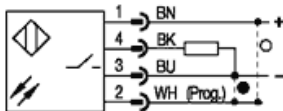
| | |
|-------------------------------------|-------------------------------|
| Sensortype | Diffuse |
| Switching frequency | 500 Hz |
| Rated operating distance Sn in mm | 100 |
| assured operating distance Sa | 80% from Sn |
| Repeat accuracy | < 5% from Sn |
| Hysteresis | < 20% |
| Indication Supply Voltage | no |
| Indication Switching element on | yes, red LED |
| Indication Special funktion | LED green Stability indicator |
| Ambient temperature | -15...+55°C |
| On-delay | < 1 ms |
| Off-delay | < 1 ms |
| Light | Infrared |
| Sensitivity Adjustment | Poti |
| Blind zone / min Reflector distance | 1mm |
| Special funktion | Stabilization indicator |
| Permissable ambient light | 3000 Lux |
| Output funktion | light-on or dark-on |

Mechanical Data

| | |
|--------------------------|---------------------------------|
| Measurements | 29x52x13 |
| 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 | IP66 |
| Connection | Connector S75 (M8,4-pin) |
| Weigth | 30g |

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 | max. 6% from UB |
| Frequency of Supply Voltage | DC |
| Voltage drop | <1,5V |
| Short protection | yes |
| Protected against polarity reversal | no |
| Rated insulation voltage | 75VDC |
| max. Load capacity | 0,5 µF |



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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