

PX1180

# Photoelectric Sensor BOS 65K-5-C200T-2P-S 4 Sn=2000mm Diffuse

## Common Data

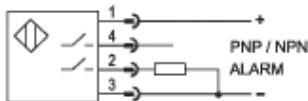
|                                     |                               |
|-------------------------------------|-------------------------------|
| Series                              | 65K                           |
| Sensortype                          | Diffuse                       |
| Switching frequency                 | 500 Hz                        |
| Rated operating distance Sn in mm   | 2000                          |
| asured operating distance Sa        | adjustable                    |
| Repeat accuracy                     | < 5% from Sn                  |
| Hysteresis                          | < 10%                         |
| Indication Switching element on     | yes, red LED                  |
| Indication Special funktion         | LED green Stability indicator |
| Ambient temperature                 | -20...+55°C                   |
| On-delay                            | < 1ms                         |
| Off-delay                           | < 1ms                         |
| Light                               | Infrared                      |
| Sensitivity Adjustment              | Poti                          |
| Blind zone / min Reflector distance | 50mm/-                        |
| Special funktion                    | Time funktion                 |
| Permissable ambient light           | 3000 Lux                      |
| Output funktion                     | light-on or dark-on           |

## Mechanical Data

|                          |                                 |
|--------------------------|---------------------------------|
| Measurements             | 85x72,5x32                      |
| Shock                    | Halfsinus, 30gn, 11ms           |
| Vibration                | 10...55Hz, 1,5mm Amplitude 3x2h |
| Housing material         | Polycarbonat                    |
| Material of sensing face | PMMA                            |
| Degree of protection     | IP67                            |
| Connection               | Connector S4 (M12)              |
| Weigth                   | 160g                            |

## Electrical Data

|                              |             |
|------------------------------|-------------|
| Current                      | DC          |
| Switching funktion           | NO/NC       |
| Output                       | PNP/NPN     |
| Rated operational current Ie | 200mA       |
| Supply Voltage               | 10...30V DC |
| Ripple                       | -           |
| Frequency of Supply Voltage  | AC/DC       |
| Voltage drop                 | <2V         |
| Short protection             | yes         |
| Rated insulation voltage     | 75V DC      |
| max. Load capacity           | 0,33μF      |



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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