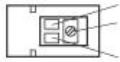


PX1947



Photoelectric Sensor BOS 5K-PS-ID10-02 Sn=900mm Diffuse

Common Data

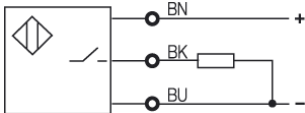
| | |
|-----------------------------------|-----------------|
| Series | 5K |
| Sensortype | Diffuse |
| Switching frequency | 500 Hz |
| Rated operating distance Sn in mm | 900 |
| asured operating distance Sa | adjustable |
| Indication Supply Voltage | yes, green LED |
| Indication Switching element on | yes, yellow LED |
| Ambient temperature | -25...+55°C |
| On-delay | 1ms |
| Off-delay | <0,5ms |
| Light | Infrared, 880nm |
| Sensitivity Adjustment | Poti 270° |
| Permissable ambient light | 5000 Lux |
| Output function | light-on |

Mechanical Data

| | |
|--------------------------|--------------------|
| Measurements | 31,5 x 19,5 x 10,8 |
| Housing material | PC/PBT |
| Material of sensing face | PMMA |
| Degree of protection | IP67 |
| Connection | Cable |
| Weigth | 30g |
| Type of Cable | PVC |

Electrical Data

| | |
|-------------------------------------|---------------|
| Current | DC |
| Switching function | normally-open |
| Output | PNP |
| Rated operational voltage Ue | 24V DC |
| Rated operational current Ie | 100mA |
| Supply Voltage | 10...30V DC |
| Frequency of Supply Voltage | DC |
| No-load supply current | <30mA |
| Voltage drop | <1,2V |
| Short protection | yes |
| Protected against polarity reversal | yes |



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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Datenblatt by CD-ROM - 04/2007

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