

PX1883

Photoelectric Sensor BLT 21M-001-N-S4 Sn=40mm Luminescence Sensor

Common Data

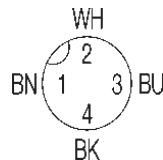
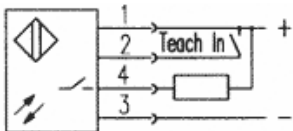
| | |
|---|--------------------------|
| Series | BLT |
| Sensortype | Luminescence Sensor |
| Switching frequency | 2000 Hz |
| Rated operating distance Sn in mm | 40 |
| asured operating distance Sa (0...40mm) | with Teach in adjustable |
| Repeat accuracy | ≤2% |
| Hysteresis | < 20% |
| Indication Switching element on | yes |
| Indication Special funktion | yes, wrong adjustment |
| Ambient temperature | -10...+55°C |
| On-delay | ≤0.25ms |
| Off-delay | 50µs |
| Light | LED, ultraviolet |
| Sensitivity Adjustment | Teach in |
| Permissable ambient light | 10000 Lux |

Mechanical Data

| | |
|--------------------------|-----------------------------|
| Measurements | 50x42,5x15 |
| Shock | Halfsinus, 30gn, 11ms |
| Vibration | 55Hz, 1,5mm Amplitude 3x30M |
| Housing material | Gd-Zn, nickel plated |
| Material of sensing face | Glass |
| Degree of protection | IP67 |
| Connection | Connector S4 (M12) |
| Weigth | 80g |
| Recommended connector | BKS-_20 |

Electrical Data

| | |
|-------------------------------------|---------------|
| Current | DC |
| Switching function | normally-open |
| Output | NPN |
| 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 | <2V |
| Short protection | yes |
| Protected against polarity reversal | yes |
| Rated insulation voltage | 75V DC |
| 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)

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