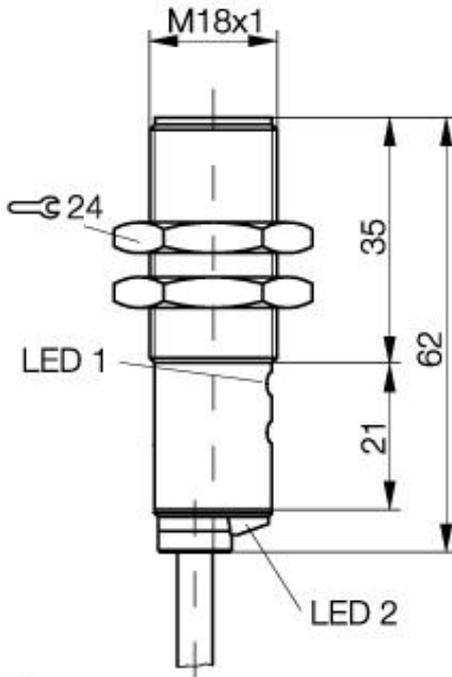


**Photoelectric Sensor**  
**BLS 18M-XX-1P-E5-L-S 4**  
**Sn=16000mm**  
**through-beam**



PX1458

**Common Data**

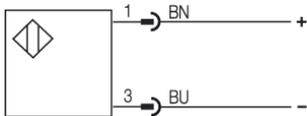
|                                     |                 |
|-------------------------------------|-----------------|
| Series                              | 18M             |
| Sensortype                          | through-beam    |
| Rated operating distance Sn in mm   | 16000           |
| asured operating distance Sa        | 16000           |
| Repeat accuracy                     | < 5% from Sn    |
| Hysteresis                          | < 10%           |
| Indication Switching element on     | yes, yellow LED |
| Ambient temperature                 | -5...+55°C      |
| Light                               | Infrared        |
| Blind zone / min Reflector distance | 0               |

**Mechanical Data**

|                          |                                 |
|--------------------------|---------------------------------|
| Measurements             | M18x64                          |
| Shock                    | Halfsinus, 30gn, 11ms           |
| Vibration                | 10...55Hz, 1,5mm Amplitude 3x2h |
| Housing material         | nickel plated brass             |
| Material of sensing face | Glass                           |
| Degree of protection     | IP67                            |
| Connection               | Connector S4 (M12)              |

**Electrical Data**

|                              |               |
|------------------------------|---------------|
| Current                      | DC            |
| Rated operational voltage Ue | 24V DC        |
| Supply Voltage               | 10...30V DC   |
| Ripple                       | < 10% from UB |
| Frequency of Supply Voltage  | DC            |
| Rated insulation voltage     | 250V AC       |



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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