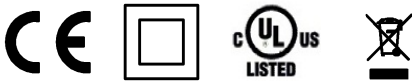


1) Display and control panel, 2) Optical axis receiver, 3) Optical axis emitter, 4) rotatable 270°



Basic features

| | |
|-------------------------------|-------------------------------------|
| Application | Distance measurement |
| Approval/Conformity | CE cULus WEEE |
| Basic standard | IEC 60947-5-2, IEC 60947-5-7 |
| Principle of operation | Photoelectric distance sensor |
| Series | 26K |
| Style | Square Connection can be rotated |

Display/Operation

| | |
|----------------|-------------------------------------|
| Display | LED green: Power Error - LED red |
|----------------|-------------------------------------|

Electrical connection

| | |
|------------------------------------|------------------------------|
| Connection | Connector, M12x1-Male, 4-pin |
| Polarity reversal protected | yes |
| Short-circuit protection | yes |

Electrical data

| | |
|--|-------------|
| No-load current I_0 max. at U_e | 35 mA |
| Operating voltage U_b | 18...28 VDC |
| Protection class | II |
| Rated insulation voltage U_i | 50 V DC |
| Rated operating voltage U_e DC | 24 V |

Environmental conditions

| | |
|----------------------------|-----------|
| Ambient temperature | 0...45 °C |
| IP rating | IP67 |

Functional safety

| | |
|---------------------|-------|
| MTTF (40 °C) | 265 a |
|---------------------|-------|

Interface

| | |
|------------------------------|--------------------------|
| Analog output | Analog, voltage 0...10 V |
| Output characteristic | linear increasing |

Material

| | |
|--------------------------|------|
| Housing material | ABS |
| Material sensing surface | PMMA |

Mechanical data

| | |
|---------------|-----------------|
| Dimension | 17 x 50 x 50 mm |
| Mounting part | Screw M4 |

Optical features

| | |
|--------------------------------|-------------------|
| Ambient light max. | 3000 Lux |
| Average power Po max. | 1 mW |
| Beam characteristic | Divergent |
| Laser class per IEC 60825-1 | 2 |
| Light spot size | Ø 0.8 mm at 65 mm |
| Light type | Laser red light |
| Principle of optical operation | Triangulation |
| Pulse duration t max. | 8 µs |
| Pulse frequency | 6 kHz |
| Pulse power Pp max. | 2.0 mW |
| Wave length | 670 nm |

Range/Distance

| | |
|------------|------------|
| Accuracy | ±1 % FS |
| Range | 45...85 mm |
| Resolution | ≤ 20 µm |

Remarks

Order accessories separately.

Only for applications per NFPA 79 (machines with a supply voltage of maximum 600 V). Use an R/C (CYJV2) cable with suitable properties for attaching the device.

For additional information, refer to user's guide.

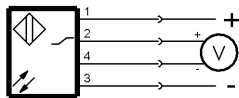
For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

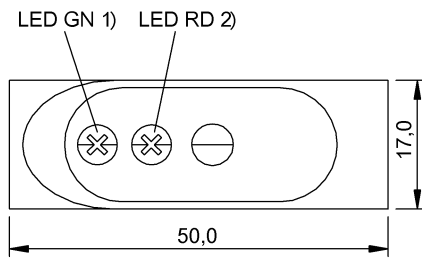
Connector Drawings



Wiring Diagrams



Help Views

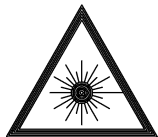


- 1) Operating voltage
- 2) Error

Opto Symbols



Warning Symbols



LASER BEAM - DO NOT STARE INTO THE LIGHT BEAM!

LASER CLASS 2 per IEC60825-1: 2003-10