



**Electrical data:**

|                                |                  |
|--------------------------------|------------------|
| Utilization category           | DC 13            |
| Rated operational voltage      | 24 DC V          |
| noload supply cur. emitter max | 10 mA            |
| Supply voltage min.            | 10 V             |
| Supply voltage max.            | 30 V             |
| Connection                     | cable            |
| Rated insulation voltage (Ui)  | 75 DC            |
| Voltage ripple max.            | max. 10% from UB |

**Mechanical data:**

|                              |                     |
|------------------------------|---------------------|
| Degree of pollution          | 3                   |
| Sensing face material        | Glass               |
| Housing material             | nickel-plated brass |
| Operating range max.         | 3000 mm             |
| Version                      | M12x1               |
| Assured operating dist. min. | 0                   |
| Assured operating dist. max. | 3000 mm             |
| Diameter of sensing face     | 8 mm                |
| Resolution max.              | 0,050 mm            |
| Ambient temperature max.     | +50 °C              |
| Ambient temperature min.     | -10 °C              |

**General data:**

|                            |                    |
|----------------------------|--------------------|
| Degree of protection IP    | IP 67              |
| Approval                   | CE, cULus          |
| Type                       | Laser-through-beam |
| Protected against reversal | ja                 |

**Optical data:**

|                           |          |
|---------------------------|----------|
| Emitter Light Source      | Laser    |
| permissible ambient light | 5000 Lux |

**Wiring:**

