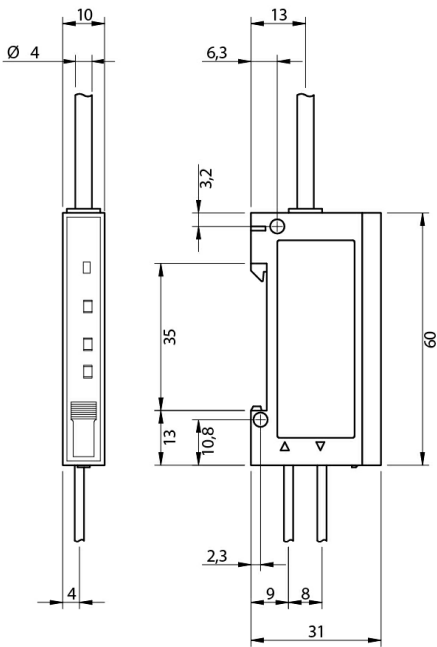




**PHOTOELECTRIC SENSORS FOR DIN-RAIL MOUNTING**

- Fibre-optic amplifier for DIN-rail mounting(DIN/EN 50022)
- Distance setting by means of teach in with additional manual fine adjustment (FX4)
- Distance setting by means of 12-turn potentiometer with illuminated scale(FX3)
- Adjustable pulse delay and stretching(FX4)
- High switching frequency: 1,5 kHz
- Ideal for stacking, thanks to 10 mm housing width
- Teach 1 (background), Teach 2(target and background) (FX4)
- Large setting range of 20...200 mm



**Detection properties**

|                          |                                  |
|--------------------------|----------------------------------|
| Nominal sensing distance | Vedi tabella delle fibre ottiche |
| Operative range          | 20...200 mm                      |
| Thermal drift of Sr      | 0.2 % / °C                       |
| Sensitivity adjustment   | Teach-in                         |
| Hysteresis               | 10%                              |

**Outputs**

|                     |            |
|---------------------|------------|
| Output type         | NPN        |
| Output Function     | LO/D0      |
| Switching frequency | ≤ 1,500 Hz |

**Electrical data**

|                                  |                                                              |
|----------------------------------|--------------------------------------------------------------|
| Operating Voltage                | 10...30Vdc                                                   |
| No-Load supply current           | $\mu$ 25 mA typ. A / at UB =24 V                             |
| Load current                     | ≤ 200 mA                                                     |
| Leakage current                  | ≤ 0.1 mA                                                     |
| Output voltage drop              | ≤ 20% V a / a 200 mA                                         |
| Max ripple content               | ≤ 20% V / al / UB                                            |
| LED indicators                   | LEDs; istogramma (uscita attivata); verde (alimentazione)    |
| Time delay before availability   | 80 ms                                                        |
| Short-circuit protection         | Si                                                           |
| Reverse Polarity Protection      | Si                                                           |
| Emission                         | Led Rosso                                                    |
| Interference to external light   | 5.000lux (lampada ad incandescenza), 10.000lux (luce solare) |
| Impulsive Overvoltage Protection | Si                                                           |

#### Mechanical data

|                       |                                  |
|-----------------------|----------------------------------|
| Dimensions            | 10x31x60 mm                      |
| Weight                | 68 g                             |
| Housing Material      | PBTP                             |
| Connections           | 2m PVC cable                     |
| Operating temperature | - 25°C...+ 55°C (senza condensa) |

#### Test/Approvals

|                       |                     |
|-----------------------|---------------------|
| Approvals             | CE                  |
| EMC compatibility     | EN 60947-5-2        |
| Shocks and vibrations | IEC 60947-5-2 / 7.4 |
| Degree of protection  | IP64                |

#### Generical Data

|                       |                                  |
|-----------------------|----------------------------------|
| Dimensions            | 10x31x60 mm                      |
| Operating Temperature | - 25°C...+ 55°C (senza condensa) |
| Mechanical Protection | IP64                             |

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