

F1

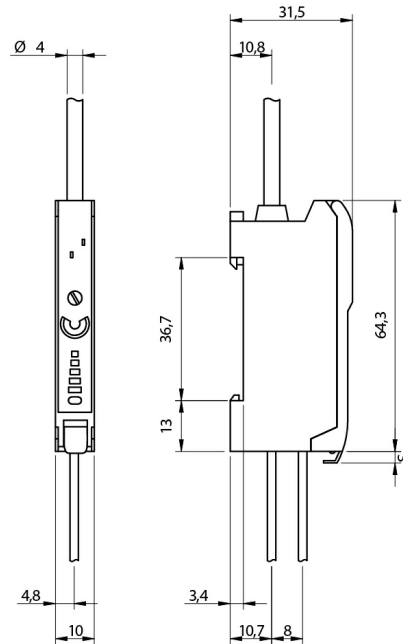


Indicative image



PHOTOELECTRIC SENSORS FOR DIN-RAIL MOUNTING

- Models with trimmer sensitivity
- Models with Teach-In
- Double digital display
- High switching frequency
- Approvals: CE



Detection properties

Nominal sensing distance

Depending on fibre used

Repeat Accuracy

5%

Sensitivity adjustment

8 turn trimmer

Application

Optic position

Axial

Outputs

Output type

NPN

Output Function

LO/D0

Switching frequency

High speed

Response time

ON: 20 µs OFF: 30 µs

Electrical data

Operating Voltage

12...24Vdc

No-Load supply current

< 35 mA

Load current

50 mA max

Leakage current	< 10 μ A
Output voltage drop	1 V max
Max ripple content	$\leq$ 10 %
LED indicators	Orange (output active); green (n.4 - received signal level); red (no received signal)
Time delay before availability	$\leq$ 200 ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	Red (680 nm)
Interference to external light	10.000lux (incandescent lamp), 20.000lux (sunlight)

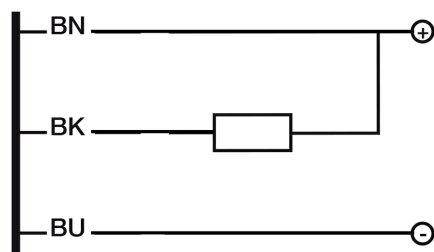
Mechanical data

Dimensions	10x31.5x64.3 mm
Weight	70 g (approx.)
Housing Material	PBT (housing); PC (cover)
Connections	2m PVC cable
Operating temperature	- 25°C...+ 55°C (without freeze)
Storage temperature	- 30°C...+ 70°C (without freeze)

Test/Approvals

Approvals	CE
EMC compatibility	EN 60947-5-2
Degree of protection	IP67

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



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