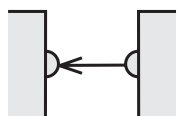


Through-Beam Photoelectric Sensor / NAMUR

[查询"37459"供应商](#)



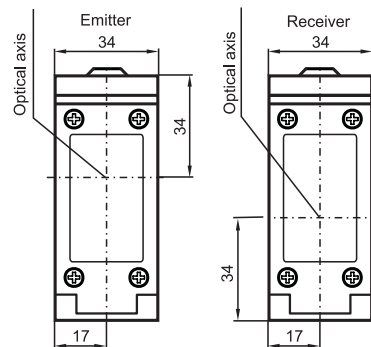
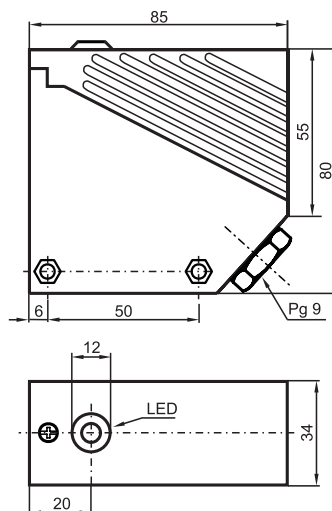
OCE30M-F5-N2S



30 m

Features

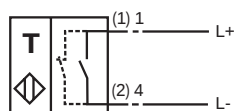
- Intrinsically safe, Identification code: EEx ia IIC T6
PTB Nr. Ex-97.D.2264
- Visible red light
- Light/dark ON, wiring dependent
- Noise immune
- Terminal compartment
- Protection class IP 64



Mounting aids etc. see "Accessories" section.

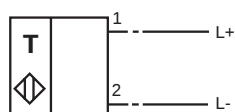
Electrical Connection

Receiver



N.C. (Light ON) Terminal 1,2
N.O. (Dark ON) Terminal 1,4

Emitter



Date of issue 27.04.1998

Technical Data

Model number

[查询"37459"供应商](#)

Adjustment of the sensing range

Reference card size

Detectable target

Switch frequency

ON delay

Readiness delay

Indicators LED yellow (receiver)

LED green (emitter)

Light source

Life span of light source

Ambient light limit

Operating temperature

Storage temperature

Electrical Data

Nominal voltage

Rated operational voltage

Self inductance

Self capacitance

Output/Current requirement (rec.)

Light path uninterrupted

Light path interrupted

Current requirement (emitter)

Data in accordance with the

Certificate of Conformity

Maximum values

U_i

I_i

P_i

C_i

C_i

Mechanical Data

Protection class to DIN 40050

Optical system material

Housing

Material front lens

Connection type

Weight

Conforms to

Description according to EN 60947-5-2

OCE30M-F5-N2S

0 mm ... 30 000 mm

with potentiometer (receiver only)

Through-beam photoelectric sensor receiver

Opaque object

≤ 100 Hz (Pulse:Pause = 1:1)

≤ 5 ms

approx. 20 ms

Switch status

Power ON

Red light 660 nm

100 000 h

Sunlight $\leq 10\,000$ Lux (8 000 mW/m²)

Halogen light $\leq 7\,500$ Lux (4 500 mW/m²)

248 Kelvin ... 343 Kelvin (-25 °C ... +70 °C)

233 Kelvin ... 353 Kelvin (-40 °C ... +80 °C)

8 V DC (R_i approx. 1 k Ω)

6 V DC ... 16 V DC, ripple 5 %_{SS}

Negligible

≤ 60 nF

≤ 42 nF (emitter only)

Connection 1, 2 Connection 1, 4

≥ 2.2 mA

≤ 1 mA

≤ 1 mA

≥ 2.2 mA

≥ 2.2 mA

PTB Nr. Ex-97.D.2264

12.7 V

53.23 mA

169 mW

60 nF

42 nF (only emitter)

IP 64

Lens system

PMMA

PMMA

Terminal compartment, ≤ 2.5 mm² conductor csa

200 g

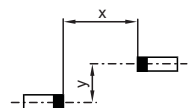
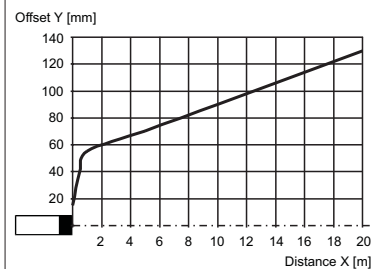
EN 50 227

EN 60947-5-2

T3D85PS9

Characteristic response curve

Permissible distance between the optical axis of the emitter and receiver.



Note

The sensor should be considered as active even in the fault condition.

The maximum values can be taken from the Certificate of Conformity.