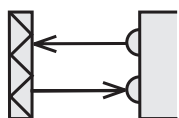


Retro-Reflective Photoelectric Sensor / NAMUR

[查询"37458"供应商](#)



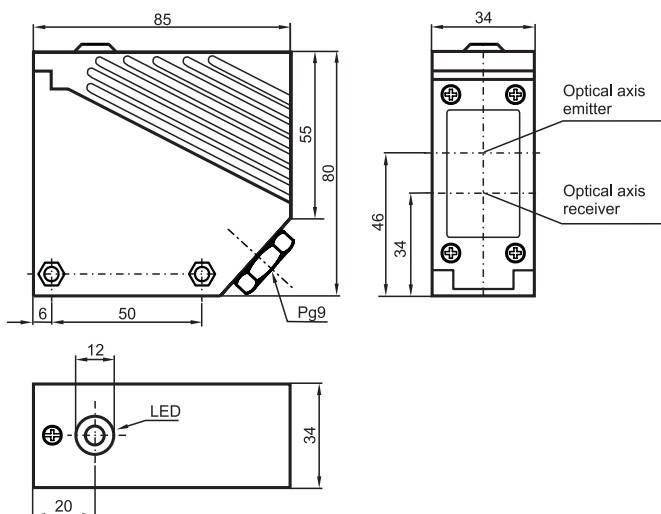
OCS8000-F5-N2



8 m

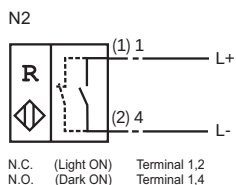
Features

- 8 000 mm sensing range
- Intrinsically safe identification code EEx ia IIC T6
- PTB Nr. Ex-97.D.2264
- Visible red light
- Polarising filter
- Light/dark ON, wiring dependent
- Noise immune
- Terminal compartment
- Protection class IP 64
- Scratch mineral glass



Reflectors, mounting aids etc. see "Accessories" section.

Electrical Connection



Technical Data

Model number

查询"37458"供应商

Sensing range

Reference card size
Adjustment of the sensing range
Detectable target
Switch frequency
ON delay
Readiness delay
Operating mode
Indicators LED yellow
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
Light path uninterrupted
Light path interrupted

Data in accordance with the Certificate of Conformity

Maximum values

U_i
 I_i
 P_i
 C_i

Mechanical Data

Protection class to IEC 60 529
Filter
Optical system material
Allowable shock- and
Vibration resistance
Housing
Material front lens
Connection type
Weight
Conforms to

Description according to
EN 60 947-5-2

OCS8000-F5-N2

8 000 mm
Retro-reflector 100 mm x 100 mm
800 mm ... 8 000 mm at retro-reflector
Opaque and mirror objects
100 Hz (Pulse:Pause = 1:1)
5 ms
20 ms
Light/dark ON, wiring dependent
Switch status
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 ... 20 V DC, ripple 5 %_{SS}
Negligible
 ≤ 60 nF
Connection 1, 2 Connection 1, 4
 ≥ 2.2 mA ≤ 1 mA
 ≤ 1 mA ≥ 2.2 mA

PTB Nr. Ex-97.D.2264

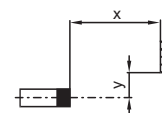
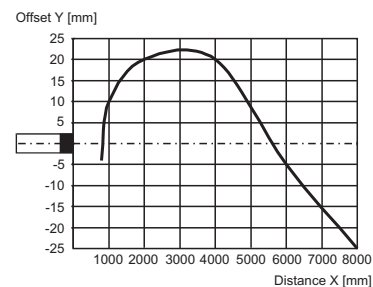
12.7 V
53.23 mA
169 mW
60 nF

IP 64
Polarising filter
2 lens system
 $b \leq 30$ g, $T \leq 11$ ms
 $f \leq 55$ Hz, $a \leq 1$ mm
PMMA
Mineral glass
Terminal compartment, ≤ 2.5 mm² conductor csa
200 g
EN 50 227
EN 60 947-5-2

R3D85PS9

Characteristic response curve

Permissible distance (offset) between optical axis and retro-reflector.



Note

The sensor should be considered as active even in the fault condition.
The maximum values can be taken from the Certificate of Conformity.