

## Retro-reflective sensor

OUR-HNKG

Article no longer available - archive entry



receiver in upper lens  
transmitter in lower lens

## Product characteristics

|               |                |
|---------------|----------------|
| Type of light | infrared light |
| Housing       | rectangular    |

## Application

|                    |                         |
|--------------------|-------------------------|
| Function principle | Retro-reflective sensor |
|--------------------|-------------------------|

## Electrical data

|                             |      |                |
|-----------------------------|------|----------------|
| Operating voltage           | [V]  | 10...55 DC     |
| Current consumption         | [mA] | 35; ((24 V))   |
| Protection class            |      | II             |
| Reverse polarity protection |      | yes            |
| Type of light               |      | infrared light |
| Wave length                 | [nm] | 950            |

## Outputs

|                                                 |      |               |
|-------------------------------------------------|------|---------------|
| Electrical design                               |      | NPN           |
| Output function                                 |      | light-on mode |
| Max. voltage drop switching output DC           | [V]  | 2.5           |
| Permanent current rating of switching output DC | [mA] | 250           |
| Switching frequency DC                          | [Hz] | 160           |
| Short-circuit protection                        |      | yes           |
| Type of short-circuit protection                |      | pulsed        |
| Overload protection                             |      | yes           |

## Detection zone

|                  |     |                                        |
|------------------|-----|----------------------------------------|
| Range            | [m] | < 3; (Prismatic reflector Ø 80 E20005) |
| Range adjustable |     | yes                                    |

## Operating conditions

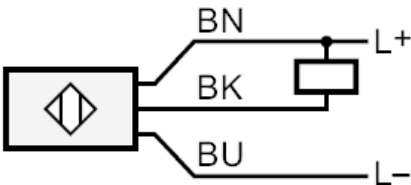
|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection          |      | IP 67    |



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| Tests / approvals             |                          |                 |
|-------------------------------|--------------------------|-----------------|
| EMC                           | EN 60947-5-2             |                 |
|                               | EN 55011                 | class B         |
| Mechanical data               |                          |                 |
| Housing                       | rectangular              |                 |
| Dimensions                    | [mm]                     | 28 x 16 x 51    |
| Materials                     | PPO modified             |                 |
| Lens material                 | glass                    |                 |
| Displays / operating elements |                          |                 |
| Display                       | switching status         | 1 x LED, yellow |
| Аксессуары                    |                          |                 |
| Items supplied                | Angle bracket: 1, E20211 |                 |
| Remarks                       |                          |                 |
| Pack quantity                 | 1 pcs.                   |                 |
| Electrical connection         |                          |                 |
| Cable: 2 m, PVC; 3 x 0.34 mm² |                          |                 |
| Connection                    |                          |                 |



BN =

BU =

BK =

Core colours :

brown

blue

black