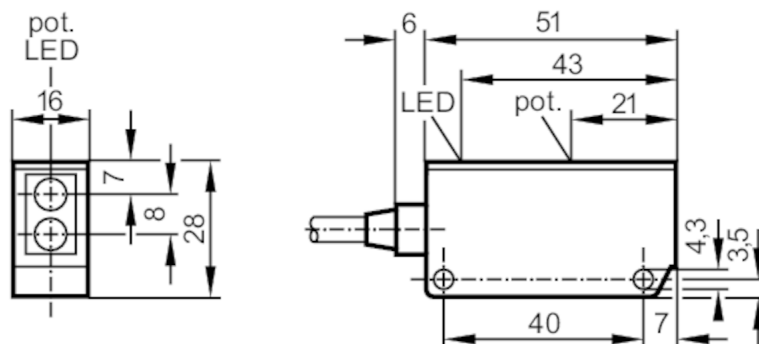




## Retro-reflective sensor

OUP-DPKG



Receiver in upper lens  
transmitter in lower lens



## Product characteristics

|                 |              |
|-----------------|--------------|
| Type of light   | red light    |
| Housing         | rectangular  |
| Dimensions [mm] | 28 x 16 x 51 |

## Application

|                    |                         |
|--------------------|-------------------------|
| System             | polarization filter     |
| Function principle | Retro-reflective sensor |

## Electrical data

|                             |              |
|-----------------------------|--------------|
| Operating voltage [V]       | 10...55 DC   |
| Current consumption [mA]    | 30; ((24 V)) |
| Protection class            | II           |
| Reverse polarity protection | yes          |
| Type of light               | red light    |
| Wave length [nm]            | 660          |

## Outputs

|                                                      |                    |
|------------------------------------------------------|--------------------|
| Electrical design                                    | PNP                |
| Output function                                      | dark-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                     | yes (non-latching) |
| Overload protection                                  | yes                |



## Retro-reflective sensor

OUP-DPKG

| Monitoring range                      |                          |                                               |
|---------------------------------------|--------------------------|-----------------------------------------------|
| Range referred to prismatic reflector | [m]                      | 0.15...1.5; (Prismatic reflector Ø 80 E20005) |
| Range adjustable                      |                          | yes                                           |
| Max. light spot diameter              | [mm]                     | 475                                           |
| Light spot dimensions refer to        |                          | at maximum range                              |
| Polarization filter available         |                          | yes                                           |
| Operating conditions                  |                          |                                               |
| Ambient temperature                   | [°C]                     | -25...60                                      |
| Protection                            |                          | IP 67                                         |
| Tests / approvals                     |                          |                                               |
| EMC                                   | EN 60947-5-2             |                                               |
|                                       | EN 55011                 | class B                                       |
| MTTF                                  | [years]                  | 687                                           |
| Mechanical data                       |                          |                                               |
| Weight                                | [g]                      | 150                                           |
| Housing                               |                          | rectangular                                   |
| Dimensions                            | [mm]                     | 28 x 16 x 51                                  |
| Material                              |                          | PPO modified                                  |
| Lens material                         |                          | glass                                         |
| Lens alignment                        |                          | Side sensing                                  |
| Displays / operating elements         |                          |                                               |
| Display                               | Switching status         | 1 x LED, yellow                               |
| Accessories                           |                          |                                               |
| Items supplied                        | Angle bracket: 1, E20211 |                                               |
| Remarks                               |                          |                                               |
| Pack quantity                         | 1 pcs.                   |                                               |

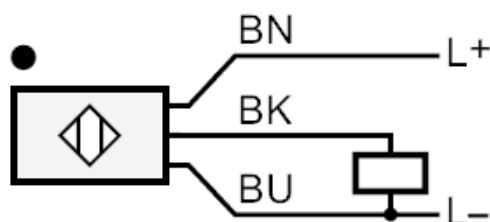
## Retro-reflective sensor

OUP-DPKG

### Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm<sup>2</sup>

### Connection



|    |       |
|----|-------|
| BN | brown |
| BU | blue  |
| BK | black |

### Diagrams and graphs

excess gain graph

