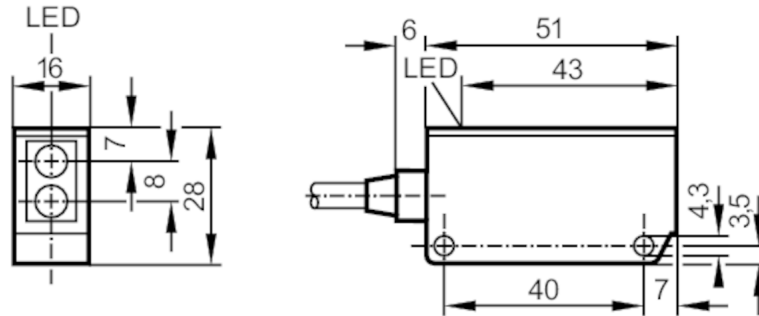




Diffuse reflection sensor

OUN-DPKG

Article no longer available - archive entry



receiver in upper lens
transmitter in lower lens

Product characteristics

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

Application

| | |
|--------------------|--|
| Special feature | Diffuse reflection sensor for short ranges |
| Function principle | Diffuse reflection 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] | 880 |

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 | pulsed |
| Overload protection | yes |

Detection zone

| | |
|--|-------------------------------------|
| Range [mm] | 20...40; (white paper 200 x 200 mm) |
| Max. light spot diameter [mm] | 20 |
| Light spot dimensions refer to | at maximum range |
| Diffuse reflection sensor for short ranges | yes |

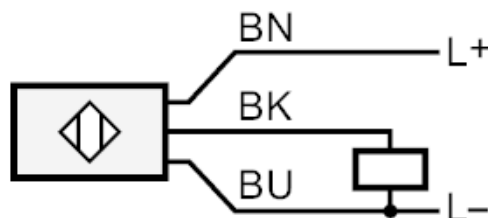
OU5026



Diffuse reflection sensor

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| Operating conditions | | |
|---|------------------|----------------------------|
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 67 |
| Tests / approvals | | |
| EMC | | EN 60947-5-2 |
| 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 |
| Accessories | | |
| Accessories (supplied) | | Angle bracket: 1 x, E20211 |
| Remarks | | |
| Pack quantity | | 1 pcs. |
| Electrical connection | | |
| Cable: 2 m, PVC; 3 x 0.34 mm ² | | |
| Connection | | |



Core colours :

BN = brown
BU = blue
BK = black

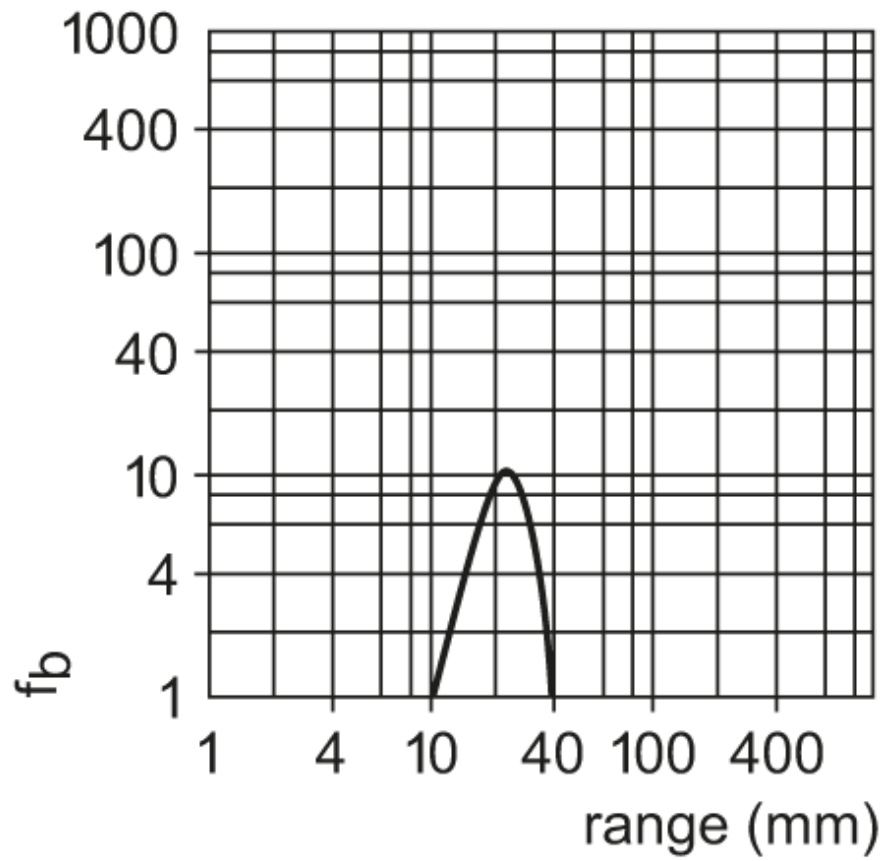


Diffuse reflection sensor

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Diagrams and graphs

excess gain graph



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