

## Through-beam sensor transmitter

OUS-00KG/US-100



one transmitting diode each in upper and lower lens



## Product characteristics

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

## Application

|                    |                     |
|--------------------|---------------------|
| Function principle | Through-beam sensor |
|--------------------|---------------------|

## Electrical data

|                             |      |                |
|-----------------------------|------|----------------|
| Operating voltage           | [V]  | 10...55 DC     |
| Current consumption         | [mA] | 20; ((24 V))   |
| Protection class            |      | III            |
| Reverse polarity protection |      | yes            |
| Type of light               |      | infrared light |
| Wave length                 | [nm] | 880            |

## Outputs

|                                  |        |
|----------------------------------|--------|
| Short-circuit protection         | yes    |
| Type of short-circuit protection | pulsed |
| Overload protection              | yes    |

## Detection zone

|                                |                  |
|--------------------------------|------------------|
| Transmitter / receiver         | transmitter      |
| Range [m]                      | < 6              |
| Range adjustable               | no               |
| Max. light spot diameter [mm]  | 734              |
| Light spot dimensions refer to | at maximum range |

## Operating conditions

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

## Tests / approvals

|     |              |         |
|-----|--------------|---------|
| EMC | EN 60947-5-2 |         |
|     | EN 55011     | class B |



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|      |         |      |
|------|---------|------|
| MTTF | [years] | 1801 |
|------|---------|------|

Mechanical data

|                |      |              |
|----------------|------|--------------|
| Weight         | [g]  | 68.5         |
| Housing        |      | rectangular  |
| Dimensions     | [mm] | 28 x 16 x 51 |
| Materials      |      | PPO modified |
| Lens material  |      | glass        |
| Lens alignment |      | side lens    |

Displays / operating elements

|         |           |                 |
|---------|-----------|-----------------|
| Display | operation | 1 x LED, yellow |
|---------|-----------|-----------------|

Accessories

|                |                          |
|----------------|--------------------------|
| Items supplied | Angle bracket: 1, E20211 |
|----------------|--------------------------|

Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

Electrical connection

Connector: 1 x M12; coding: A



Connection

