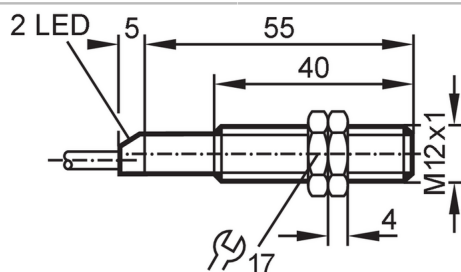


# OF5018



## Through-beam sensor transmitter

OFS-00KG



### Product characteristics

|               |                |
|---------------|----------------|
| Type of light | Infrared light |
| Housing       | Threaded type  |

### Application

|                    |                         |
|--------------------|-------------------------|
| Function principle | Through-beam sensor     |
| Application        | Industrial applications |

### Electrical data

|                             |                |
|-----------------------------|----------------|
| Operating voltage [V]       | 10...36 DC     |
| Current consumption [mA]    | < 20           |
| Protection class            | II             |
| Reverse polarity protection | yes            |
| Type of light               | Infrared light |
| Wave length [nm]            | 880            |

### Outputs

|                                  |                    |
|----------------------------------|--------------------|
| Short-circuit protection         | yes                |
| Type of short-circuit protection | yes (non-latching) |
| Overload protection              | yes                |

### Monitoring range

|                                |                  |
|--------------------------------|------------------|
| Transmitter / receiver         | transmitter      |
| Range [m]                      | < 4              |
| Max. light spot diameter [mm]  | 700              |
| Light spot dimensions refer to | at maximum range |

### Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...60 |
| Protection               | IP 67    |

### Tests / approvals

|              |                    |                         |
|--------------|--------------------|-------------------------|
| EMC          | EN 60947-5-2       |                         |
| MTTF [years] | 1597               |                         |
| UL approval  | Ta                 | < 40 °C                 |
|              | Enclosure type     | Type 1                  |
|              | voltage supply     | Limited Voltage/Current |
|              | UL approval number | E030                    |
|              | File number UL     | E174191                 |

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## Through-beam sensor transmitter

OFS-00KG

| Mechanical data    |                              |
|--------------------|------------------------------|
| Weight [g]         | 72.3                         |
| Housing            | Threaded type                |
| Dimensions [mm]    | M12 x 1 / L = 60             |
| Thread designation | M12 x 1                      |
| Material           | housing: brass nickel-plated |
| Lens material      | front lens:PMMA              |

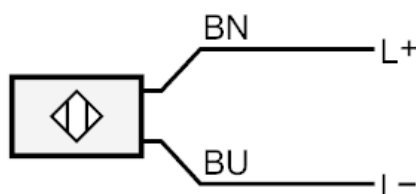
| Displays / operating elements |       |                |
|-------------------------------|-------|----------------|
| Display                       | Power | 1 x LED, green |

| Accessories    |              |
|----------------|--------------|
| Items supplied | lock nuts: 2 |

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

**Electrical connection**  
Cable: 2 m, PUR; 2 x 0.34 mm<sup>2</sup>

### Connection



BN = Core colors : brown  
BU = blue