

OJ5016



Through-beam laser sensor transmitter

OJSLOOKG/FO/AS



1 pushbutton



| Product characteristics     |      |                     |
|-----------------------------|------|---------------------|
| Type of light               |      | red light           |
| Laser protection class      |      | 1                   |
| Housing                     |      | rectangular         |
| Application                 |      |                     |
| Function principle          |      | Through-beam sensor |
| Electrical data             |      |                     |
| Operating voltage           | [V]  | 10...30 DC          |
| Current consumption         | [mA] | < 12                |
| Protection class            |      | III                 |
| Reverse polarity protection |      | yes                 |
| Type of light               |      | red light           |
| Wave length                 | [nm] | 650                 |
| Typ. lifetime               | [h]  | 50000               |
| Outputs                     |      |                     |
| Overload protection         |      | yes                 |

# OJ5016



## Through-beam laser sensor transmitter

OJSLOOKG/FO/AS

| Monitoring range               |                                                                         |                                                                                                                                     |
|--------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Transmitter / receiver         | transmitter                                                             |                                                                                                                                     |
| Range [m]                      | < 15                                                                    |                                                                                                                                     |
| Range adjustable               | no                                                                      |                                                                                                                                     |
| Max. light spot diameter [mm]  | 24                                                                      |                                                                                                                                     |
| Light spot dimensions refer to | at maximum range                                                        |                                                                                                                                     |
| Operating conditions           |                                                                         |                                                                                                                                     |
| Ambient temperature [°C]       | -10...60                                                                |                                                                                                                                     |
| Protection                     | IP 67                                                                   |                                                                                                                                     |
| Tests / approvals              |                                                                         |                                                                                                                                     |
| EMC                            | EN 60947-5-2                                                            |                                                                                                                                     |
| Laser protection class         | 1                                                                       |                                                                                                                                     |
| Notes on laser protection      | Caution:                                                                | Laser light                                                                                                                         |
|                                | laser class:                                                            | 1                                                                                                                                   |
|                                |                                                                         | EN / IEC60825-1:2007                                                                                                                |
|                                |                                                                         | EN / IEC60825-1:2014                                                                                                                |
|                                |                                                                         | Complies with 21 CFR 1040.10 except for conformance with IEC 60825-1 Ed. 3, as described in Laser Notice No. 56, dated May 8, 2019. |
| MTTF [years]                   | 918                                                                     |                                                                                                                                     |
| Mechanical data                |                                                                         |                                                                                                                                     |
| Weight [g]                     | 27.8                                                                    |                                                                                                                                     |
| Housing                        | rectangular                                                             |                                                                                                                                     |
| Dimensions [mm]                | 35 x 24 x 11                                                            |                                                                                                                                     |
| Material                       | housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS |                                                                                                                                     |
| Lens material                  | glass                                                                   |                                                                                                                                     |
| Lens alignment                 | Front sensing                                                           |                                                                                                                                     |
| Displays / operating elements  |                                                                         |                                                                                                                                     |
| Display                        | Power                                                                   | 1 x LED, green                                                                                                                      |
| Accessories                    |                                                                         |                                                                                                                                     |
| Items supplied                 | screws: 2 x (M3 x 16 mm)                                                |                                                                                                                                     |
|                                | Basic clip: 1, E20964                                                   |                                                                                                                                     |
|                                | spring washers: 2                                                       |                                                                                                                                     |
|                                | Nuts: 2                                                                 |                                                                                                                                     |
| Remarks                        |                                                                         |                                                                                                                                     |
| Remarks                        | cULus - Class 2 source required                                         |                                                                                                                                     |
| Pack quantity                  | 1 pcs.                                                                  |                                                                                                                                     |

# OJ5016



## Through-beam laser sensor transmitter

OJSLOOKG/FO/AS

### Electrical connection

Connector: 1 x M8; coding: A



### Connection

