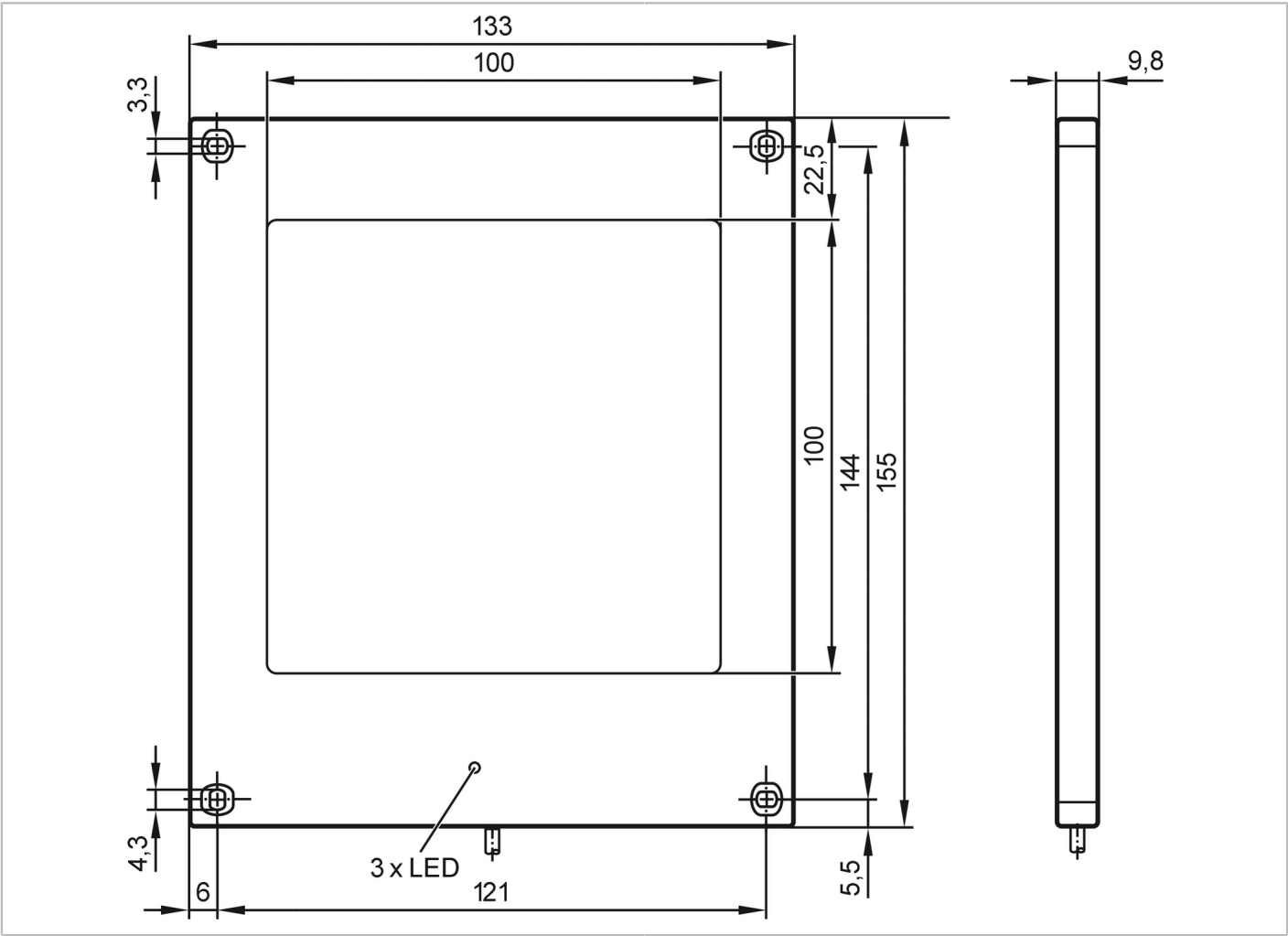


# O2D945



## External illumination

BACKLIGHT 100X100 IR/0,3M/US



### Product characteristics

|               |                |
|---------------|----------------|
| Type of light | Infrared light |
|---------------|----------------|

### Application

|                        |                                    |
|------------------------|------------------------------------|
| Special feature        | gold-plated contacts               |
| Illuminated field [mm] | 100 x 100                          |
| Design                 | backlight                          |
| Type of operation      | Permanent light or pulse operation |

### Electrical data

|                                 |                |
|---------------------------------|----------------|
| Operating voltage tolerance [%] | -10...10       |
| Operating voltage [V]           | 24 DC          |
| Current consumption [mA]        | < 620          |
| Protection class                | III            |
| Reverse polarity protection     | yes            |
| Type of light                   | Infrared light |
| Wave length [nm]                | 875            |

# O2D945



## External illumination

BACKLIGHT 100X100 IR/0,3M/US

| Inputs                                                                              |                               |                                  |
|-------------------------------------------------------------------------------------|-------------------------------|----------------------------------|
| Trigger                                                                             |                               | 5...24 V                         |
| Outputs                                                                             |                               |                                  |
| Overload protection                                                                 |                               | yes                              |
| Operating conditions                                                                |                               |                                  |
| Ambient temperature                                                                 | [°C]                          | -10...50                         |
| Protection                                                                          |                               | IP 54                            |
| Overheat protection                                                                 |                               | yes; (> 50 °C)                   |
| Tests / approvals                                                                   |                               |                                  |
| Photobiological safety                                                              |                               | exempt group; (EN 62471)         |
| MTTF                                                                                | [years]                       | 293                              |
| Mechanical data                                                                     |                               |                                  |
| Weight                                                                              | [g]                           | 448.4                            |
| Dimensions                                                                          | [mm]                          | 155 x 133 x 9.8                  |
| Material                                                                            |                               | housing: aluminum black anodized |
| Lens material                                                                       |                               | Illuminated field:glass          |
| Displays / operating elements                                                       |                               |                                  |
| Display                                                                             | Illumination status           | 1 x LED, yellow                  |
|                                                                                     | Power                         | 1 x LED, green                   |
|                                                                                     | Excess temperature / overload | 1 x LED, red                     |
| Remarks                                                                             |                               |                                  |
| Pack quantity                                                                       |                               | 1 pcs.                           |
| Electrical connection                                                               |                               |                                  |
| Cable: 0.3 m, PUR                                                                   |                               |                                  |
| Connector: 1 x M12; coding: A; Contacts: gold-plated                                |                               |                                  |
|  |                               |                                  |

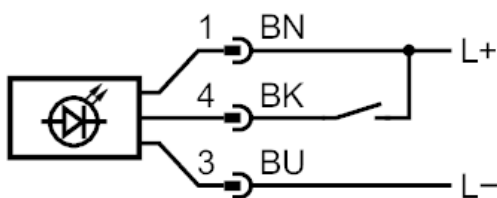
# O2D945



## External illumination

BACKLIGHT 100X100 IR/0,3M/US

### Connection



- |   |         |
|---|---------|
| 1 | L +     |
| 3 | L -     |
| 4 | Trigger |

Core colors :

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