

LFM (mit 5mm LED) IP 67  
LFM (with T1 3/4 LED) IP 67

| Ausführungen<br>Models                                                                                                                                | Abmessungen<br>Dimensions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Frontplattenbohrung<br>Frontpanel drilling                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Innenreflektor</b><br>Internal reflector<br><br>mit Vorwiderstand<br>with built-in resistor<br><br>ohne Vorwiderstand<br>without built-in resistor | <p>Technical drawing of the internal reflector showing two views. The top view shows a cylindrical component with a diameter of <math>\phi 10</math>. It has a total length of max 32 mm. A section line indicates a cross-section with a maximum width of 6 mm at the base and 2 mm at the top. The distance from the base to the center of the LED chip is 9.4 mm. The LED chip itself is 1.4 mm wide. The mounting hole is M8 x 0.75. The bottom view shows the same component without the built-in resistor, with a total length of max 19.5 mm and a distance of 14.9 mm from the base to the center of the LED chip.</p> | <p>Diagram showing the front panel drilling required for the internal reflector. It features a central circular hole with a diameter of 8.4 mm, surrounded by a square outline representing the panel shape.</p> |
| <b>Außenreflektor</b><br>Outside reflector<br><br>mit Vorwiderstand<br>with built-in resistor<br><br>ohne Vorwiderstand<br>without built-in resistor  | <p>Technical drawing of the outside reflector showing two views. The top view shows a cylindrical component with a diameter of <math>\phi 10</math>. It has a total length of max 32 mm. A section line indicates a cross-section with a maximum width of 6 mm at the base and 2 mm at the top. The distance from the base to the center of the LED chip is 9.4 mm. The LED chip itself is 1.4 mm wide. The mounting hole is M8 x 0.75. The bottom view shows the same component without the built-in resistor, with a total length of max 26.4 mm and a distance of 26.4 mm from the base to the center of the LED chip.</p>  | <p>Diagram showing the front panel drilling required for the outside reflector. It features a central circular hole with a diameter of 8.4 mm, surrounded by a square outline representing the panel shape.</p>  |

## Technische Daten / Technical data

## 1. Elektrische Kennwerte / Electrical data

|                                                                                                             |                                                  |
|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Stromaufnahme / Current input                                                                               | 10 mA mit Vorwiderstand / With built-in resistor |
| Technische Daten der LED 0925.0059/60/61 siehe S.100/101 / Technical data LED 0925.0059/60/61 see p.100/101 |                                                  |

## 2. Sonstige Kennwerte / Other data

|                                                                   |                                                   |
|-------------------------------------------------------------------|---------------------------------------------------|
| Lötbarkeit / <a href="#">Solderability</a>                        | max. 2s 235 °C ( IEC 68 2-20 Test Ta Methode 1 )  |
| Lötwärmebeständigkeit / <a href="#">Soldering heat resistance</a> | max. 5s 350 °C ( IEC 68 2-20 Test Tb Methode 1B ) |
| Umgebungstemperatur / <a href="#">Ambient temperature</a>         | -25°C ... +55°C                                   |
| Lagertemperatur / <a href="#">Storage temperature</a>             | -55°C ... +100°C                                  |
| Schutzklasse / <a href="#">Degree of protection</a>               | IP 67                                             |

### 3. Werkstoffe / Materials

|                                         |                                                  |
|-----------------------------------------|--------------------------------------------------|
| Gehäuse / <i>Body</i>                   | Messing verchromt / <i>Brass chromium-plated</i> |
| Lötanschlüsse / <i>Solder Terminals</i> | Kupfer verzinkt / <i>Copper tinned</i>           |
| Mutter / <i>Nut</i>                     | Messing vernickelt / <i>Brass nickel-plated</i>  |
| Dichtung / <i>Sealing</i>               | Nitril Kautschuk / <i>Nitril rubber</i>          |

#### 4. Montageart / Mounting type

Frontplattenmontage mit Lötanschlüssen / Frontpanel mounting with solder terminals

## Innenreflektor LFM (mit 5mm LED) IP 67

### Internal reflector LFM (with T13/4 LED) IP 67

| Ausführungen<br>Models                                                                                                                          | Varianten<br>Variations                       | gewünschte Farbe ankreuzen<br>select your colour |                                |                                         | Artikelnummer<br>Part Number |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------|--------------------------------|-----------------------------------------|------------------------------|
| <b>mit Vorwiderstand</b><br>with built-in resistor<br><br>     | Gehäuse<br>verchromt<br>Body<br>chrome plated | 24V                                              | Farbe der LED<br>Colour of LED | rot    red <input type="checkbox"/>     | 0035.0607                    |
|                                                                                                                                                 |                                               |                                                  |                                | grün    green <input type="checkbox"/>  | 0035.0608                    |
|                                                                                                                                                 |                                               |                                                  |                                | gelb    yellow <input type="checkbox"/> | 0035.0609                    |
|                                                                                                                                                 |                                               |                                                  |                                |                                         |                              |
| <b>ohne Vorwiderstand</b><br>without built-in resistor<br><br> | Gehäuse<br>schwarz matt<br>Body black dull    |                                                  | Farbe der LED<br>Colour of LED | rot    red <input type="checkbox"/>     | 0035.0726                    |
|                                                                                                                                                 |                                               |                                                  |                                | grün    green <input type="checkbox"/>  | 0035.0727                    |
|                                                                                                                                                 |                                               |                                                  |                                | gelb    yellow <input type="checkbox"/> | 0035.0728                    |
|                                                                                                                                                 |                                               |                                                  |                                |                                         |                              |
| <b>Zubehör</b><br>Accessories                                                                                                                   | Federscheibe<br>Spring lock washer            |                                                  |                                | <input type="checkbox"/>                | 0638.1004                    |

## Außenreflektor LFM (mit 5mm LED) IP 67

### Outside reflector LFM (with T1 3/4 LED) IP 67

| Ausführungen<br>Models                                                                                                                                 | Varianten<br>Variations                                     | gewünschte Farbe ankreuzen<br>select your colour |                                            |                                         | Artikelnummer<br>Part Number |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------|--------------------------------------------|-----------------------------------------|------------------------------|
| <div>mit Vorwiderstand<br/>with built-in resistor</div> <div></div> | <div>Gehäuse<br/>schwarz matt<br/>Body<br/>black dull</div> | 12V                                              | <div>Farbe der LED<br/>Colour of LED</div> | rot    red <input type="checkbox"/>     | 0035.0664                    |
|                                                                                                                                                        |                                                             |                                                  |                                            | grün    green <input type="checkbox"/>  | 0035.0665                    |
|                                                                                                                                                        |                                                             |                                                  |                                            | gelb    yellow <input type="checkbox"/> | 0035.0666                    |
|                                                                                                                                                        |                                                             | 24V                                              |                                            | rot    red <input type="checkbox"/>     | 0035.0667                    |
|                                                                                                                                                        |                                                             |                                                  |                                            | grün    green <input type="checkbox"/>  | 0035.0668                    |
|                                                                                                                                                        |                                                             |                                                  |                                            | gelb    yellow <input type="checkbox"/> | 0035.0669                    |
| <div>Zubehör<br/>Accessories</div>                                                                                                                     | <div>Federscheibe<br/>Spring lock washer</div>              |                                                  | <input type="checkbox"/>                   | 0638.1004                               |                              |

# LFM (mit 5mm LED) IP 67

## LFM (with T1 3/4 LED) IP 67

New specification from 1.7.2011\*

### TECHNICAL DATA LEDs

| 1. Maximum Ratings                                                                 | LED old    | LED new*  | LED old    | LED new*    | LED old    | LED new*    |
|------------------------------------------------------------------------------------|------------|-----------|------------|-------------|------------|-------------|
| Internal part number                                                               | 0925.9730  |           | 0925.9731  |             | 0925.9732  |             |
| Light colour                                                                       | red        | red       | green      | green       | yellow     | yellow      |
| Forward current DC <small>I<sub>f</sub> max. [mA]</small>                          | 40         | 30        | 40         | 30          | 40         | 30          |
| Power dissipation <small>P<sub>tot</sub> max. [mW]</small>                         | 130        | 100       | 130        | 100         | 130        | 100         |
| 2. Characteristics (typ. At T <sub>U</sub> =25°C)                                  |            |           |            |             |            |             |
| Forward Voltage <small>at I<sub>f</sub> =10mA, U<sub>f</sub> typ. [V]</small>      | 2.0 (<2.6) | 2 at 20mA | 2.0 (<2.6) | 2.4 at 20mA | 2.0 (<2.6) | 2.4 at 20mA |
| Luminous intensity <small>at I<sub>f</sub> =10mA, I<sub>v</sub> typ. [mcd]</small> | 11.2 - 28  | 6.3 to... | 18 - 45    | 6.3 to...   | 11.2 - 28  | 6.3 to...   |
| Viewing angle <small>typ. [degree]</small>                                         | 50         | 60        | 50         | 60          | 50         | 60          |
| Peak wave lenght <small>typ. [nm]</small>                                          | 635        | 635       | 565        | 565         | 586        | 585         |
| Reverse voltage <small>U<sub>r</sub> typ. [V]</small>                              | 5          | 6         | 5          | 6           | 5          | 6           |



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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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