



GNExB2LD2 48 VDC

# EX LED MULTI-FUNCTIONAL BEACON

## EX-PROOF FOR USE IN EX ZONES 1, 2, 21 AND 22

The multi-functional beacon is used to visually indicate alarm signals and incoming calls. It can be connected to an intercom station as well as directly to the system and is controlled from there.

The beacon can be installed both indoors and outdoors. Simply change the color at a later date by replacing the color filter of the beacon in the field.



- Robust, corrosion-proof GRP housing
- Degree of protection IP66/67
- UV stable Polycarbonate color lens filters replaceable in the field
- LED light mechanically secured against shock and vibration
- Stainless steel dome guard
- Choice of five flash rates: 1 Hz, 1.5 Hz, 2 Hz, double and triple flash
- High and low power steady mode

### MECHANICAL DATA

|                          |                                                               |
|--------------------------|---------------------------------------------------------------|
| Housing material         | Corrosion-proof glass-fiber reinforced polyester (GRP)        |
| Color filter             | UV stable polycarbonate                                       |
| Width x height of beacon | 158 mm x 242.5 mm (6.22" x 9.55")                             |
| Cable gland              | 3 entries M20 x 1.5                                           |
| Connection               | Screw terminals for in and out                                |
| Clamping range           | 0.5 mm <sup>2</sup> to 2.5 mm <sup>2</sup> (20 AWG to 13 AWG) |
| Earth stud               | M4                                                            |
| Weight                   | Approx. 3.5 kg (approx. 7.72 lbs)                             |
| Color                    | Amber, green, yellow, red (other colors upon request)         |

### ELECTRICAL DATA

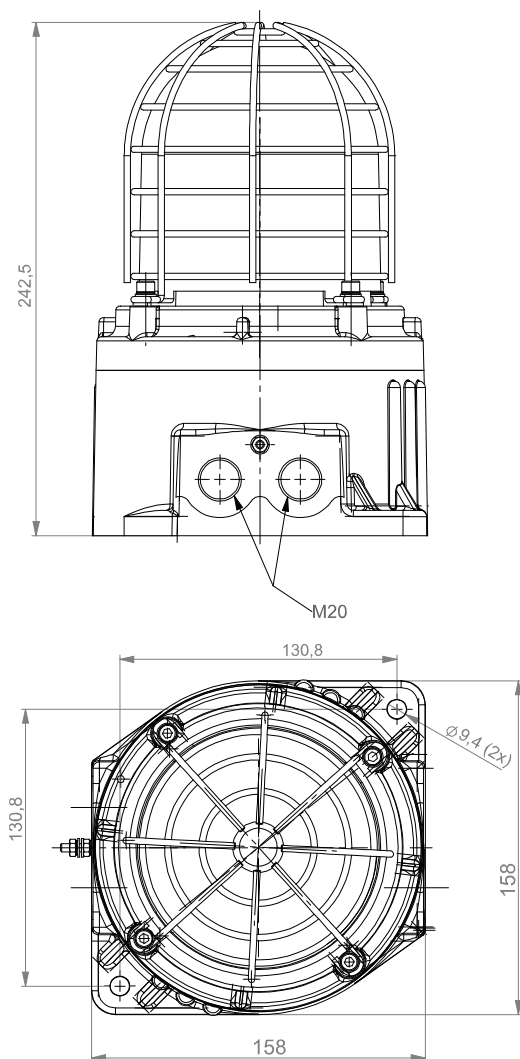
|                     |                    |
|---------------------|--------------------|
| Rated voltage       | 48 V DC            |
| Voltage range       | 24 V DC to 54 V DC |
| Current consumption | 300 mA at 48 V     |



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Subject to technical modifications - Doc. no. DAT-070-000-104 • V02 • EN • 25.04.2022

## DIMENSIONS



## OPTICAL DATA

|                     |                                             |
|---------------------|---------------------------------------------|
| Flash rate          | 1 Hz, 1.5 Hz, 2 Hz, double and triple flash |
| Steady mode         | High and low power configurable             |
| Mode setting        | DIP switch                                  |
| Effective intensity | 338 cd at 1 Hz flash                        |
| LED life            | 60,000 hours                                |

## ENVIRONMENTAL REQUIREMENTS AND STANDARDS

|                                           |                                                                                                                                             |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature during operation      | -50 °C to +65 °C<br>(-58 °F to +149 °F)                                                                                                     |
| Degree of protection                      | IP66/67                                                                                                                                     |
| Gas explosion protection zones 1 and 2    | II 2G Ex db IIC T6 Gb<br>Ta < 65 °C (+ 149 °F)<br>II 2G Ex db IIC T5 Gb<br>Ta < 70 °C (+158 °F)                                             |
| Dust explosion protection zones 21 and 22 | II 2D Ex tb IIIC T85°C Db<br>Ta < 70 °C (+158 °F)                                                                                           |
| Certificate                               | ATEX DEMKO 15ATEX1448X<br>IECEX UL 15.0003X<br>PESO A/P/HQ/MH/104/6335<br>(P452946)<br>TR-CU Ex EAC certificate:<br>RU C-GB.HA65.B.01252_21 |

## TYPE OVERVIEW

| Color  | Type                | Type Number    |
|--------|---------------------|----------------|
| Amber  | GNExB2LD2 48 VDC/AM | 070-000-104/AM |
| Green  | GNExB2LD2 48 VDC/GN | 070-000-104/GN |
| Red    | GNExB2LD2 48 VDC/RD | 070-000-104/RD |
| Yellow | GNExB2LD2 48 VDC/YE | 070-000-104/YE |

## APPLICATION



In case of an alarm, the beacon is activated for the duration of the alarm. Call signaling is activated as soon as the intercom station receives a call.

Call signaling stops as soon as the incoming call has been answered at the intercom station or a pre-programmed time has elapsed.

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