

# Signalling Devices

Visual signalling device Xenon flashing beacon

In flameproof enclosure

FL60/C/L100/Y/EU Art. No. 252627



- Lamp: Flashing beacon – XENON (5 / 10 J) / LED (6.5 W)
- Type of protection: Ex d
- Class: IP66/IP67 (IEC 60529 / NEMA 4X)
- Robust aluminium enclosure (powder-coated)
- Stainless steel protection cage and mounting bracket included
- 8 light-intensifying Fresnel lens colours available to order
- Telephone system connection optionally available to order

Webshop FL60B



**Product series FL60** is designed to provide a visual alarm which can be used to alert, warn or draw attention to machine malfunction/start up or any number of safety related issues in hazardous areas. The devices are intended for use in hazardous areas or harsh environments.

## Technical Data

### Explosion Protection

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Scope of validity               | IECEX<br>European Union (ATEX)       |
| Application range (zones)       | 1<br>2<br>21<br>22                   |
| IECEX gas certificate           | IECEX BAS 05.0087X                   |
| IECEX gas explosion protection  | Ex db IIB+H2 T4 Gb                   |
| IECEX dust certificate          | IECEX BAS 05.0087X                   |
| IECEX dust explosion protection | Ex tb IIIC T135 °C Db                |
| ATEX gas certificate            | Baseefa 02 ATEX 0222 X               |
| ATEX gas explosion protection   | ⊕ II 2 G Ex db IIB+H2 T4 Gb          |
| ATEX dust certificate           | Baseefa 02 ATEX 0222 X               |
| ATEX dust explosion protection  | ⊕ II 2 D Ex tb IIIC T135 °C Db       |
| Certificates                    | ATEX (BAS), IECEX (BAS), SIL (exida) |

### Electrical Data

|                              |            |
|------------------------------|------------|
| Rated operational voltage AC | 115 V      |
| Nominal current at AC        | 0.105 A    |
| Tolerance                    | -10 – 10 % |

### Lighting Data

|            |                   |
|------------|-------------------|
| Lamp       | Xenon flash tubes |
| Flashbulb  | 10 J              |
| Flash rate | 1 Hz              |

### Ambient Conditions

|                                |                        |
|--------------------------------|------------------------|
| Ambient temperature            | -20 °C ... +60 °C (T4) |
| Functional ambient temperature | -20 °C ... +60 °C (T4) |

### Mechanical Data

|                                       |      |
|---------------------------------------|------|
| Degree of protection (IP) (IEC 60529) | IP66 |
|---------------------------------------|------|

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## Mechanical Data

|   |  |
|---|--|
| Class                                     | I (PE connection) (Internal + external)      |
| Enclosure material                        | Aluminium, powder-coated, Seawater-resistant |
| Enclosure colour                          | red normal                                   |
| Sealing material                          | NBR O-ring seal                              |
| Material dome                             | Polycarbonate                                |
| Material glas dome                        | Polycarbonate                                |
| Wire guard material                       | Stainless steel                              |
| Max. solid connection terminals           | 2.5 mm <sup>2</sup>                          |
| Max. finely stranded connection terminals | 2.5 mm <sup>2</sup>                          |
| Clamping range                            | 2.5 ... 2.5 mm                               |
| Width                                     | 148 mm                                       |
| Height                                    | 276 mm                                       |
| Length                                    | 145 mm                                       |
| Lens colour                               | Yellow                                       |
| Weight                                    | 5.08 kg                                      |
| Weight                                    | 11.2 lb                                      |

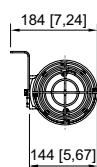
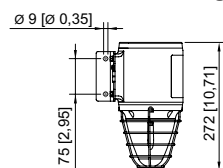
## Mounting / Installation

|                        |                            |
|------------------------|----------------------------|
| Connection type        | Screw terminal             |
| Mounting part material | Sheet steel, powder-coated |

## Components

|                          |                               |
|--------------------------|-------------------------------|
| Drilled holes            | 2 x M20                       |
| Cable glands and entries | Can be ordered as accessories |
| Stopping plugs           | 1 x M20 x 1.5<br>1 x dust cap |
| Stopping plug material   | Brass                         |
| Wire guard               | Yes                           |

## Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



## Accessories

Replacement PCB assembly

Art. No.

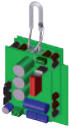
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|  |                        |        |
|--|------------------------|--------|
|  | 115 ... 230 V AC / 5 J | 209522 |
|--|------------------------|--------|

### Metal cable gland


|  |   | Art. No. |
|--|---|----------|
|  | Ex d & Ex e cable entry with compound for all types of armoured cables (SWA, braided, tape) (nickel-plated brass)<br>Type 20PX2K, M20 x 1.5                   | 109428   |
|  | Ex d & Ex e Cable entry with RapidEx sealing system for all types of unarmoured and braid armour cables (nickel-plated brass)<br>Type 20PX2K-REX, M20 x 1.5   | 246649   |
|  | Ex d & Ex e Cable entry with compound gland for all types of unarmoured and braid armour cables (nickel plated brass)<br>Type 20PXSS2K, M20 x 1.5             | 109441   |
|  | Ex d & Ex e Cable entry with RapidEx sealing system for all types of unarmoured and braid armour cables (nickel-plated brass)<br>Type 20PXSS2K-REX, M20 x 1.5 | 246605   |

### Mounting accessories

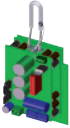

|  |  | Art. No. |
|--|--|----------|
|   | L-bracket, stainless steel, (available for FL60, YL60, YA60) | 210794   |
|  | Mounting bracket<br>material: stainless steel                | 262014   |
|  | Sun shield, stainless steel (available for FL60)             | 262012   |

## Spare Parts

### End cap FL60 / YA60

|  |                        | Art. No. |
|--|------------------------|----------|
|  | End cap with screw set | 227892   |

### Replacement PCB assembly

|  |                           | Art. No. |
|--|---------------------------|----------|
|  | 115 ... 230 V AC / 5 J    | 209522   |
|  | PCB FL60<br>5 J / 48 V DC | 223072   |

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