

# GNExB2X15 Xenon Strobe Beacon

The GNExB2X15 is an IECEx & ATEX approved explosion proof 15 Joule Xenon beacon. The robust IP66 corrosion proof GRP enclosure and extended temperature range ensures suitability for all Zone 1, 2, 21 & 22 explosion proof applications.

The GNExB2X15 beacon produces over 666cd effective – a very high output Xenon strobe flash as required for efficient signalling over greater distances and in high ambient light. The optically enhanced field replaceable colour filter enhances the strobe and is constructed from UV stable PC.

The GRP enclosure features a threaded flame path, triple cable entries and a large termination area – all of which significantly reduce installation time. SIL1 compliant to IEC61508 (2010) as standard

## Features

- Robust, corrosion proof GRP (glass reinforced polyester) enclosure
- Ingress protection IP66
- Automatic synchronisation on multi-beacon systems
- Choice of three flash rates: 1Hz, 1.5Hz and double flash
- User replaceable Xenon tube mechanically secured against shock & vibration
- Glass lens & Stainless Steel guard
- UV stable PC field replaceable lens colour filter
- Stainless steel fixings
- Triple cable entries
- Duplicate cable terminations (in & out for daisy-chain installations)
- SIL1 compliant to IEC61508 (2010)

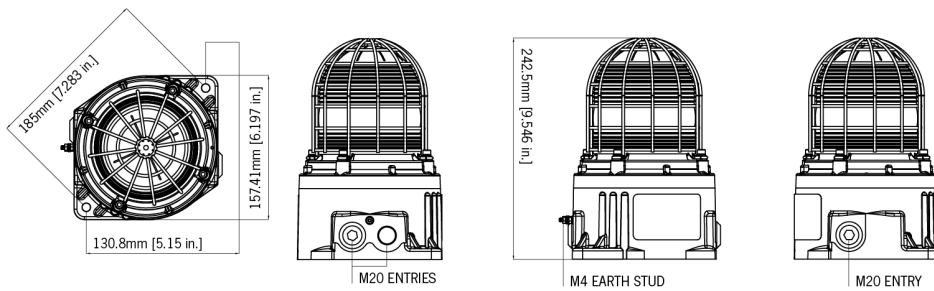
## Approvals

- IECEx UL 15.0003X
- ATEX DEMKO 15ATEX1448X
- TR-CU Ex EAC certificate: RU C-GB.AA71.B.00109
- PESO CCOE certified: P452946

## Coding

- II 2G Ex db IIC Gb T5 Ta -50°C to +40°C
- II 2G Ex db IIC Gb T4 Ta -50°C to +70°C
- II 2D Ex tb IIIC Db T120°C Ta -50°C to +70°C





## Specification

|  |  |
|--|--|
| Energy:  | 15 Joules (15Ws)   |
| Flash rate:  | 1Hz (60 fpm), 1.5Hz (90fpm) & double flash   |
| Peak Candela:  | 1,500,000 cd – calculated from energy (J)  |
| Eff. Intensity cd:   | 750 cd – calculated from energy (J)  |
| Peak Candela:  | 114,854 cd – measured ref to I.E.S   |
| Eff. Intensity cd:   | 666.92 cd – measured ref to I.E.S  |
| Lens colours:  | Amber, Blue, Clear, Green, Magenta, Red & Yellow   |
| Voltages DC:   | 24vdc; 48Vdc   |
| Voltages AC:   | 115Vac; 230Vac   |
| Ingress protection:  | IP66   |
| Enclosure matl:  | UV stable GRP (glass reinforced polyester)   |
| Colour:  | Natural Red – can be provided in alternative colours   |
| Cable entries:   | 3 x M20 ISO (2 stopping plugs inc.)<br>Adaptors to M25, 1/2" & 3/4" NPT can be specified   |
| Terminals:   | 0.5 – 2.5mm <sup>2</sup> (20-14 AWG)   |
| Enclosure volume:  | <2 litres  |
| Line monitoring:   | Blocking diode included<br>EOL Min. 500 Ohm 2w, or 3k3 Ohm 0.5w resistor or diode (DC versions) can be fitted                          |
| Tube life:   | Emissions are reduced to 70% after 5 million flashes   |
| Temperature range:   | -50° to +70°C (-58°F to +158°F)  |
| Relative humidity:   | 95% – Additional tropicalisation is recommended for applications where both high relative humidity and high ambient temperatures exist |
| Weight:  | 3.5kg/7.7lbs   |
| *All candela data is representative of performance with clear lens at optimum voltage. |  |

Example part code: GNExB2X15AC230 [e][m][s][v][x]/[y]  
 GNExB2X15AC230AB1A1R/R  
 GNExB2X15 15 Joule Xenon Strobe Beacon, 230V ac,  
 3 x M20 entries, Brass stopping plugs,  
 A2 304 SS guard, IECEx & ATEX approved,  
 Red enclosure, Red lens

## Part Codes

|                                     |            |   |
|-------------------------------------|------------|---|
| Version:                            | Part code: |   |
| Product type:                       | GNExB2     |   |
| Type:                               | X15        | Xenon Beacon – 15 Joule                                 |
| Voltage:                            | DC024      | 20-28V dc   |
|                                     | DC048      | 42-54V dc   |
|                                     | AC115      | 110-125V ac   |
|                                     | AC230      | 220-240V ac   |
| Cable Entry Type: [e]               | A          | 3 x M20x1.5mm   |
|                                     | B          | 2 x 1/2" NPT – adaptors                                 |
|                                     | C          | 2 x 3/4" NPT – adaptors                                 |
|                                     | D          | 2 x M25x1.5mm – adaptors                                |
|                                     | E          | 1 x 1/2" NPT – adaptor                                  |
|                                     | F          | 1 x 3/4" NPT – adaptor                                  |
|                                     | G          | 1 x M25x1.5mm – adaptor                                 |
|                                     | H          | 3 x 1/2" NPT – adaptors                                 |
|                                     | I          | 3 x 3/4" NPT – adaptors                                 |
|                                     | J          | 3 x M25x1.5mm – adaptors                                |
| Adaptor/Stopping plug material: [m] | B          | Brass   |
|                                     | N          | Nickel Plated   |
|                                     | S          | Stainless Steel   |
| Guard material & tag: [s]           | 1          | A2 304 Stainless Steel                                  |
|                                     | 2          | A4 316 Stainless Steel                                  |
|                                     | 3          | A2 304 St/St with Equip. Tag                            |
|                                     | 4          | A4 316 St/St with Equip. Tag                            |
| Product version: [v]                | A1         | IECEx & ATEX  |
| Enclosure colour: [x]               | R          | Red   |
|                                     | S          | Special – contact E2S for alternative enclosure colours |
| Lens colour: [y]                    | A          | Amber   |
|                                     | B          | Blue  |
|                                     | C          | Clear   |
|                                     | G          | Green   |
|                                     | M          | Magenta   |
|                                     | R          | Red   |
|                                     | Y          | Yellow  |

|              |              |  |
|--------------|--------------|--|
| Accessories: | SP65-0001-A2 | Pole Mount Bracket Kit 2" St/St A2 (304) |
|              | SP65-0001-A4 | Pole Mount Bracket Kit 2" St/St A4 (316) |
|              | SP65-0003-A2 | Sunshade – St/St A2 (304)                |
|              | SP65-0003-A4 | Sunshade – St/St A4 (316)                |

E2S Warning Signals sales@e2s.com www.e2s.com

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## Current Consumption

|          |          |          |          |
|----------|----------|----------|----------|
| Version: | In Rush: | Voltage: | Current: |
| GNEB2    | 0.75 A   | 230V ac  | 0.31 A   |