

GNExB1X05 Xenon Strobe Beacon



The GNExB1X05 is an IECEx & ATEX approved explosion proof 5 Joule Xenon beacon. The robust IP66 corrosion proof GRP enclosure and extended temperature range ensures the GNExB1X05 is suitable for all Zone 1, 2, 21 & 22 hazardous location signalling applications.

The GNExB1X05 beacon produces over 117cd effective - a high output Xenon strobe flash required for safety signalling. The field replaceable colour filter enhances the strobe and is constructed from UV stable PC. The GRP enclosure features a threaded flame path, dual cable entries and a large termination area - all of which significantly reduce installation time.

Features

- Robust, corrosion proof GRP (glass reinforced polyester) enclosure
- Ingress protection IP66
- Automatic synchronisation on multi-beacon systems
- DC voltage versions feature a choice of three flash rates
- DC voltage units feature remote initiation of flash rate
- 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
- Dual cable entries
- Duplicate cable terminations (in & out for daisy-chain installations)

Approvals

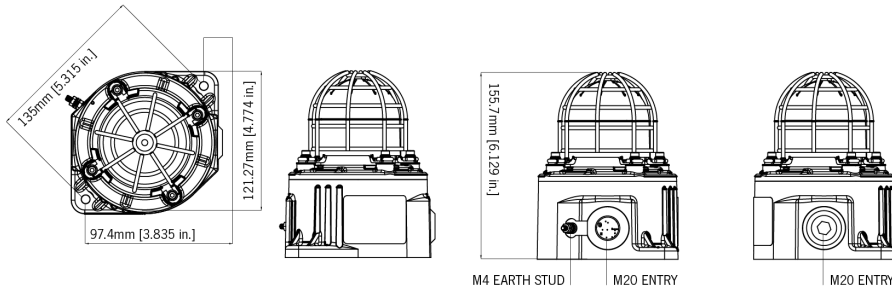
- IECEx UL 15.0003X
IEC 60079-0 : 2011
IEC 60079-1 : 2014
IEC 60079-31 : 2013
- ATEX DEMKO 15ATEX1448X
EN 60079-0 : 2012
EN 60079-1 : 2014
EN 60079-31 : 2014

Coding

- II 2G Ex db IIC Gb T6 Ta -50°C to +40°C
- II 2G Ex db IIC Gb T5 Ta -50°C to +55°C
- II 2G Ex db IIC Gb T4 Ta -50°C to +70°C
- II 2D Ex tb IIIC Db T110°C Ta -50°C to +70°C



Comsec Protection Systems



Specification

| | |
|--|---|
| Energy: | 5 Joules (5Ws) |
| Flash rate: | DC voltages: 1Hz (60fpm), 1.5Hz (90fpm) & double flash AC voltages: 1Hz (60fpm) |
| Peak Candela: | 500,000 cd - calculated from energy (J) |
| Effective Intensity cd: | 250 cd - calculated from energy (J) |
| Peak Candela: | 45,449 cd - measured ref to I.E.S |
| Effective Intensity cd: | 117.93 cd - measured ref to I.E.S |
| Lens colours: | Amber, Blue, Clear, Green, Magenta, Red & Yellow |
| Voltages DC: | 12Vdc; 24vdc; 48Vdc |
| Voltages AC: | 115Vac; 230Vac |
| Ingress protection: | IP66 |
| Enclosure: | UV stable GRP (glass reinforced polyester) |
| Colour: | Natural Red - can be provided in alternative colours |
| Cable entries: | 2 x M20 ISO (1 stopping plug inc.) Adaptors to M25, 1/2" & 3/4" NPT can be specified |
| Terminals: | 0.5 to 2.5mm ² |
| Tube life: | Emissions are reduced to 70% after 8 million flashes |
| Temperature range: | -50° to +70°C (-58°F to +158°F) |
| Weight: | 1.5kg/3.3lbs |
| *All candela data is representative of performance with clear lens at optimum voltage. | |

Part Codes

| Version: | Part code: |
|-------------------------------------|--|
| Product type: | GNExB1 |
| Type: | X05 Xenon Beacon - 5 Joule |
| Voltage: | DC012 10-14V dc DC024 20-28V dc DC048 42-54V dc AC115 110-125V ac AC230 220-240V ac |
| Cable Entry Type: [e] | A 2 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 |
| Adaptor/Stopping plug material: [m] | B Brass N Nickel Plated S Stainless Steel |
| Guard material: [s] | 1 A2 304 Stainless Steel 2 A4 316 Stainless Steel |
| 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 |

Example part code: GNExB1X05AC230 [e][m][s][v][x]/[y]
GNExB1X05AC230AB1A1R/R
GNExB1X05 5 Joule Xenon Strobe Beacon, 230V ac,
2 x M20 entries, Brass stopping plugs,
A2 304 SS guard, IECEx & ATEX approved,
Red enclosure

Current Consumption

| Version: | Voltage: | Current: |
|----------|---------------------|----------|
| 12V dc | 10-14V dc | 437mA |
| 24V dc | 20-28V dc | 254mA |
| 48V dc | 42-54V dc | 158mA |
| 115V ac | 50/60Hz 110-125V ac | 95mA |
| 230V ac | 50/60Hz 220-240V ac | 54mA |

13 Jan 2016