

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)

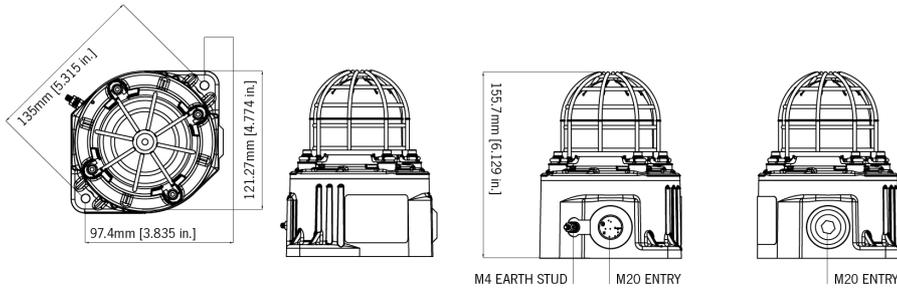
Approvals

- 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
- TR-CU Ex EAC certificate: RU C-GB.AA71.B.00109

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





Specification

Energy:	5 Joules (5Ws)
Flash rate:	DC voltages: 1Hz (60fpm), 1.5Hz (90fpm) & double flash AC voltages: 1Hz (60fpm)
Alarm Stages:	DC units - 2 Double strike pattern can be remotely switched
Peak Candela:	500,000 cd - calculated from energy (J)
Eff. Intensity cd:	250 cd - calculated from energy (J)
Peak Candela:	45,449 cd - measured ref to I.E.S
Eff. 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 matl:	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 - 2.5mm ² (20-14 AWG)
Enclosure volume:	<2 litres
Line monitoring:	Blocking diode included 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 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.

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, Red lens

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
3	A2 304 St/St with Equip. Tag
4	A4 316 St/St with Equip. Tag (304)
Product version: [v] A1	IECEx & ATEX
Enclosure colour: R	Red
[x] 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

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