

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 suitability for all Zone 1, 2, 21 & 22 hazardous location 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. 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
- 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 daisychain installations)
- SIL1 compliant to IEC61508 (2010)

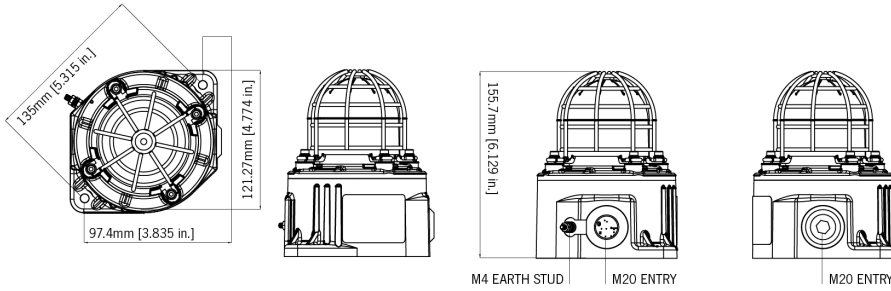
Approvals

- 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 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:	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,

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

No liability is accepted for any consequence of the use of this document. The technical specification of this unit is subject to change without notice. To our policy of continual development. All dimensions are approximate and subject to conditions of sale, a copy of which is available on request.

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:	A	2 x M20x1.5mm
[e]	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:	B	Brass
[m]	N	Nickel Plated
	S	Stainless Steel
Guard material & tag:	1	A2 304 Stainless Steel
[s]	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:	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
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)
	SP65-0001-A2	Sunshade - St/St A2 (304)
	SP65-0001-A4	Sunshade - St/St A4 (316)
	SP65-0002-A2	
	SP65-0002-A4	

Current Consumption

Version:	In Rush:	Voltage:	Current:
12V dc		10-14V dc	437mA
24V dc	1.09A 5ms	20-28V dc	254mA

5 May 2019