# **GNExB2X21 Xenon Strobe Beacon**



The GNExB2X21 is an IECEx & ATEX approved explosion proof 21 Joule Xenon beacon. The robust IP66 corrosion proof GRP enclosure and extended temperature range ensures the GNExB2X21 is suitable for all Zone 1, 2, 21 & 22 hazardous location signalling applications.

The GNExB2X21 beacon produces over 900cd effective - a very high output Xenon strobe flash as required for efficient signalling in environments with elevated levels of ambient light. The optically enhanced field replaceable colour filter optimises the strobe output 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.

#### Features

- Robust, corrosion proof G RP (glass reinforced polyester) enclosure
- Ingress protection IP66
- Automatic synchronisation on multi-beacon systems
- Choice of three flash rates: 1Hz, double and alternate flash
- DC voltage units feature remote change of flash rate function
- 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)

# **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

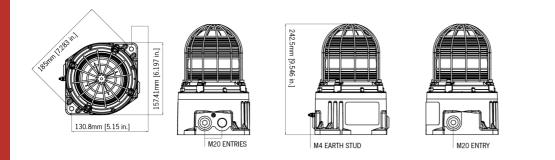
- II 2G Ex db IIC Gb T4 Ta -50°C to +70°C
- II 2D Ex tb IIIC Db T130°C Ta -50°C to +70°C











#### Specification

### Part Codes

Energy:	21 Joules (21Ws)	Version:PartProduct type:G NExe		t <b>code:</b> xB2	
Flash rate:	1Hz (60 fpm), double flash & alternate flash				
Peak Candela:	2,100,000 cd - calculated from energy (J)	Туре:	X2 1	Xenon Beacon - 21 Joule	
Effective Intensity cd:	1,050 cd - calculated from energy (J)	Voltage: DC02 4 2 0-2 8V dc DC048 42-54V dc AC115 110125V ac AC2 30 2 2 0-2 40V ac			
Peak Candela:	181,491 cd - measured ref to I.E.S				
Effective Intensity cd:	902.69 cd - measured ref to I.E.S	Cable Entry Type: [e] A B		3 x M20x1.5mm 2 x 1/2" NPT - adaptors	
Lens colours:	Amber, Blue, Clear, Green, Magenta, Red & Yellow		C D E	2 x 3/4" NPT - adaptors 2 x M25x1.5mm - adaptors 1 x 1/2" NPT - adaptor 1 x 3/4" NPT - adaptor 1 x M25x1.5mm - adaptor 2 x 1 (20 NPT - adaptor	
Voltages DC:	2 4vdc; 48Vdc		F		
Voltages AC:	115Vac; 230Vac		G		
Ingress protection	: IP66		H I	3 x 1/2" NPT - adaptors 3 x 3/4" NPT - adaptors	
Enclosure:	UV stable G RP (glass reinforced polyester)		J	3 x M25x1.5mm - adaptors	
Colour:	Natural Red - can be provided in alternative colours	Adaptor/Stopping plug material: [m]	B	Brass Nickel Plated	
Cable entries:	3 x M20 ISO (2 stopping plugs inc.)		S	Stainless Steel	
Terminals:	Adaptors to M25, 1/2" & 3/4" NPT can be specified 0.5 to 2.5mm <sup>2</sup>	Guard material: [s	] 1 2	A2 304 Stainless Steel A4 316 Stainless Steel	
Tube life:	Emissions are reduced to 70% after 8 million flashes	Product version: [v	/] A1	IECEx & ATEX	
Temperature range	e: -50° to +70°C (-58°F to +158°F)	Enclosure colour:	R	Red	
Weight:	3.5kg/7.7lbs	[X]	S	Special - contact E2S for alternative enclosure colours	
*All candela data i optimum voltage.	is representative of performance with clear lens at	Lens colour: [y]	A B C G	Amber Blue Clear Green	

Example part code: GNExB2X21AC230 [e][m][s][v][x]/[y] GNExB2X21AC230AB1A1R/R G NExB2X2121 Joule Xenon Strobe Beacon, 230V ac, 3 x M20 entries, Brass stopping plugs, A2 304 SS guard, IECEx & ATEX approved, Red enclosure

# **Current Consumption**

М R

Y

Version: 2 4V dc		<b>Voltage:</b> 2 0-2 8V dc	Current: 1032 mA
48V dc		42-54V dc	460mA
115V ac	50/60Hz	110-125V ac	464mA
2 30V ac	50/60Hz	220-240V ac	310mA

Magenta

Red

Yellow

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

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