GNExB2X15 Xenon Strobe Beacon

e2s warning signals

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 the GNExB2X15 is suitable for all Zone 1, 2, 21 & 22 hazardous location signalling 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.

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)

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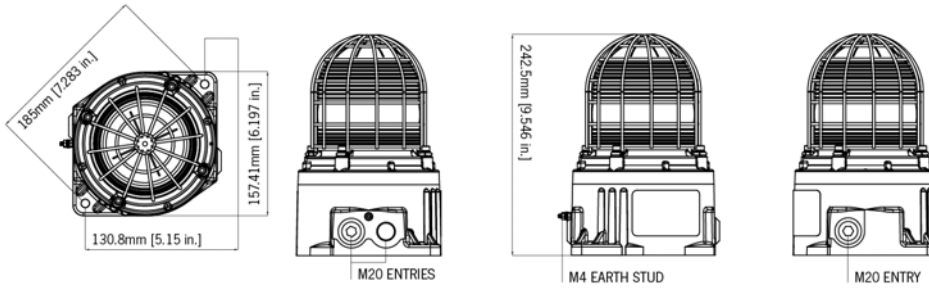- II 2 D Ex tb IIIC Db T120°C Ta -50°C to +70°C

VIMPEX

M20 ENTRIES M4 EARTH STUD M20 ENTRY

185mm [7.283 in.]
157.41mm [6.197 in.]
130.8mm [5.15 in.]
242.5mm [9.546 in.]

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.) Adaptors to M25, 1/2'' & 3/4'' NPT can be specified
Terminals:	0.5 - 2.5mm² (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:	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: [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

Current Consumption

Version:		Voltage:	Current:
24V dc		20-28V dc	822mA
48V dc		42-54V dc	342mA
115V ac	50/60Hz	110-125V ac	328mA
230V ac	50/60Hz	220-240V ac	168mA

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