1-21-174 / Stainless Steel Explosion/Flameproof

STExB2X21 Xenon Strobe Beacon 21 Joule

The STExB2X21 is an explosion proof 21 Joule Xenon beacon. The robust IP66 corrosion proof 316L stainless steel enclosure ensures the STExB2X21 is suitable for all Zone 1, 2, 21 & 22 hazardous location signalling applications.

The STExB2X21 beacons produce a high output Xenon flash required for effective signalling in environments with elevated levels of ambient light. The field replaceable colour filter enhances the strobe and is constructed from UV stable PC. The stainless steel enclosure features a threaded flame path, four cable entries and a large termination area - all of which significantly reduce installation time.

Features

- Robust corrosion proof 316L stainless steel enclosure
- Ingress protection IP66
- Automatic synchronisation on multi-beacon systems
- Choice of three flash rates: 1Hz, 1.5Hz and double flash
- DC units feature remotely selectable flash rate
- User replaceable Xenon tube mechanically secured against shock & vibration
- 316 Stainless Steel guard included as standard
- Field replaceable UV stable lens colour filter
- 316 Stainless steel stopping plugs included
- 4 x M20 cable entries
- Stainless steel fasteners
- Duplicate cable terminations (in & out for daisy-chain installations)

Approvals

- IECEx ULD 16.0017X
  IEC 60079-0 : 2011
  IEC 60079-1 : 2014
  IEC 60079-31 : 2013

- ATEX DEMKO 16 ATEX 1466X
  EN 60079-0 : 2012 + A11 : 2013
  EN 60079-1 : 2014
  EN 60079-31 : 2014

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

Coding

- Ex db IIC Gb T4 Ta -50° C to +65° C
- Ex db IIC Gb T3 Ta -50° C to +70° C
- Ex tb IIIC Db T135° C Ta -50° C to +70° C

Maahantuonti ja myynti
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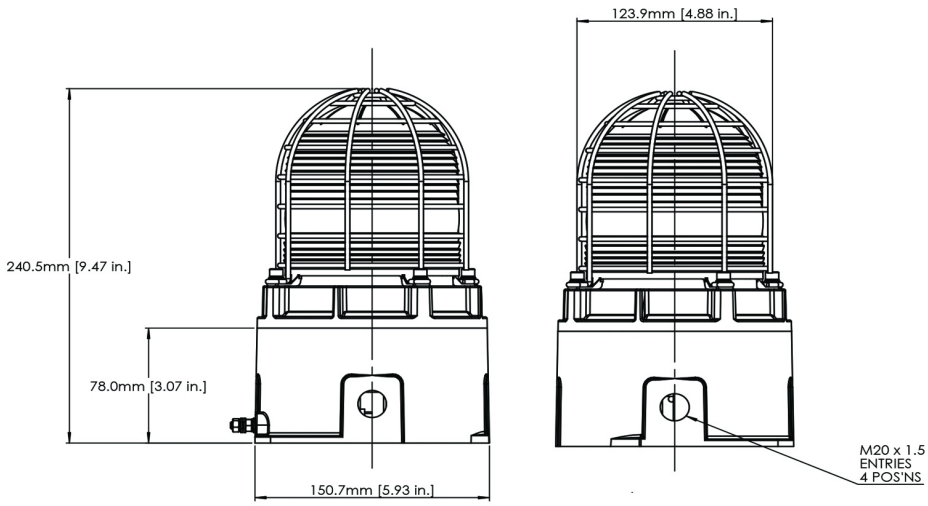

Specification

Energy:	21 Joules (21Ws)
Flash rate:	1Hz (60 fpm), 1.5Hz (90fpm) & double flash
Peak Candela:	2,100,000 cd - calculated from energy (J)
Eff. Intensity cd:	1,050 cd - calculated from energy (J)
Peak Candela:	181,491 cd - measured ref to I.E.S
Eff. Intensity cd:	902.69 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:	EN60529: IP66
Enclosure matl:	316L Stainless Steel
Enclosure finish:	Chromated & powder coated
Colour:	RAL3000 Red
Cable entries:	4 x M20 ISO (3 x stopping plugs included as standard) 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
Grounding stud:	M5
Tube life:	Emissions are reduced to 70% after 8 million flashes
Temperature range:	-50° to +70°C (-58°F to +158°F)
Relative humidity:	90% at 20°C [68°F]
Weight:	6.0kg/13.23lbs

*All candela data is representative of performance with clear lens at optimum voltage.

Example part code:	STExB2X21AC230 [e][m][s][v][x]/[y] STExB2X21AC230AS2A1R/R STExB2X21 21 Joule Xenon Strobe, 230V ac, 4 x M20 entries, Stainless Steel stopping plugs, A4 316 SS dome guard, IECEx & ATEX approved, Red enclosure, Red lens

Part Codes

Version:	**Part code:**	
Product type:	STExB2	
Type:	X21	Xenon Beacon - 21 Joule
Voltage:	DC024	20-28V dc
	DC048	42-54V dc
	AC115	115V ac +/-10%
	AC230	230V ac +/-10%
Cable Entry Type: [e]	A	4 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
Note:		*M20 stopping plugs for unused entries supplied*
Adaptor/Stopping plug material: [m]	B	Brass
	N	Nickel Plated
	S	Stainless Steel (standard)
Guard material: [s]	1	A2 304 Stainless Steel
	2	A4 316 Stainless Steel (default)
	3	A2 304 St/St with Equip. Tag
	4	A4 316 St/St with Equip. Tag (304)
Product version: [v]	A1	IECEx & ATEX Group II 2G/D Zone 1, 2, 21 & 22
Enclosure colour: [x]	R	Red RAL3000
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	944mA
48V dc	42-54V dc	428mA
115V ac	50Hz/60Hz	464mA
230V ac	50Hz	250mA

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 due to our policy of continual product development. All dimensions are approximate. This unit is sold subject to our standard conditions of sale, a copy of which is available on request.