

BExTBG05 Explosion Proof Telephone Beacon 5 Joule

The flameproof BExTBG05 telephone initiated 5 Joule Xenon beacons are suitable for Zone 1, 2, 21 & 22 applications. Approved to IECEx, ATEX, Ex EAC and INMETRO standards.

The BExTBG05 5 Joule units are telephone initiated beacons. Their robust construction makes installation in the harshest of environments possible. Additional features include stainless steel lens guard and stainless steel mounting bracket as standard. The ring tone detect circuit senses the ringing voltage on the telephone line and switches the supply (115V ac or 230V ac) to enable the beacon until the telephone is answered. The BEx range features enclosures manufactured from corrosion proof, marine grade copper free LM6 aluminium with a chromate and powder coat finish. All models have two M20 cable entries, large termination areas containing in & out terminals and an ingress protection of IP66/67.

Features

- Marine grade, corrosion proof, LM6 aluminium enclosure
- Xenon tubes mechanically secured against shock & vibration
- Glass lens & Stainless Steel guard
- Very large termination area.
- Dual M20 cable entries – adaptors available.
- Stopping plug included.
- Ratchet adjustable stainless steel 'U' bracket.
- IP66/67 ingress protection.
- 120 candela effective light intensity.
- UV stable PC, field replaceable, colour lens filter.

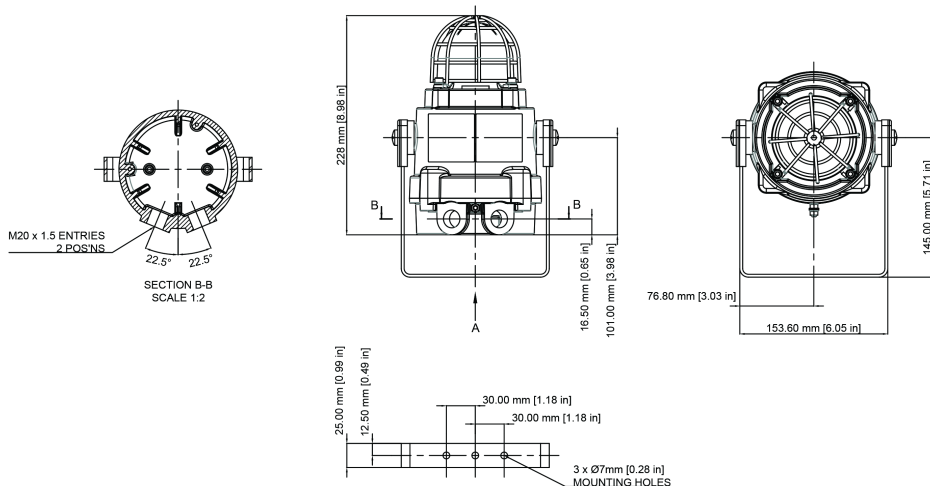
Approvals

- IECEx Certificate: KEM 10.0002X
- ATEX Certificate: KEMA 00ATEX2006X
- TR-CU Ex EAC certificate: RU C-GB.HA65.B.01252_21
- INMETRO certificate: 104Ex-0010
- UKCA certificate: UL22UKEX2636X

Coding

- II 2G Ex db IIC T5 Gb Ta. -50°C to +45°C
- II 2G Ex db IIC T4 Gb Ta. -50°C to +70°C
- II 2D Ex tb IIIC T90°C Db Ta. -50°C to +40°C
- II 2D Ex tb IIIC T105°C Db Ta. -50°C to +55°C
- II 2D Ex tb IIIC T120°C Db Ta. -50°C to +70°C





Specification

| | |
|---------------------|--|
| Energy: | 5 Joules (5Ws) |
| Flash rate: | 1Hz (60 fpm) |
| Peak Candela: | 500,000 cd – calculated from energy (J) |
| Eff. Intensity cd: | 250 cd – calculated from energy (J) |
| Peak Candela: | 39,463 cd* – measured ref. to I.E.S. |
| Eff. Intensity cd: | 120 cd* – measured ref. to I.E.S. |
| Lens colours: | Amber, Blue, Clear, Green, Magenta, Red & Yellow |
| Voltages AC: | 115vac; 230vac |
| Ingress protection: | IP66/67 |
| Enclosure matl: | Marine grade copper free LM6 Aluminium |
| Enclosure finish: | Chromate & powder coated finish ISO 12944-6 CX, C5VH & C5H |
| Colour: | Red (others available on request) |
| Cable entries: | Dual M20 ISO (one stopping plug inc) |
| Terminals: | 0.5 – 2.5mm ² (20-14 AWG) |
| Enclosure volume: | <2 litres |
| Tube life : | Emissions are reduced to 70% after 5 million flashes |
| Grounding stud: | M5 |
| 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 : | 2.75kg/6.05lbs |

*Candela measurements representative of performance with clear lens at optimum voltage.

Part Codes

| Part Code: | Identifier: | Description: |
|-------------------------------------|--------------------------------------|--|
| Product type: | BEXTBG05 | Explosion proof Telephone Initiated 5J Xenon Beacon |
| Type: | DP | Ex d, UV stable PC Colour Lens |
| Voltage: | AC115 AC230 | 115V ac 240V ac |
| Cable entries:[e] | A B C D E F G | 2 x M20x1.5mm 2 x 1/2" NPT – adaptors 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 |
| Stopping plug/ adaptor material: | B N [m] | Brass Nickel Plated Stainless Steel |
| Bracket/guard matl & tag: [s] | 1 2 3 4 | A2 304 Stainless Steel A4 316 Stainless Steel A2 304 St/St with Equip. Tag A4 316 St/St with Equip. Tag |
| Product version: [v] | A1 | Default – IECEx, ATEX, Ex EAC & INMETRO |
| Enclosure colour: | R [x] | Red Special – contact E2S |
| Lens colour: [y] | A B C G M R Y | Amber Blue Clear Green Magenta Red Yellow |
| Accessories: | SP65-0001- A4 SP65-0003- A4 | Pole Mount Bracket Kit St/St A4 (316) Sunshade – St/St A4 (316) |

Current Consumption

| Version: | Voltage: | Current: |
|----------|---------------------|----------|
| 115V ac | 50Hz/60Hz +/-10% | 140mA |
| 230V ac | 50Hz/60Hz +/-10% | 55mA |