E2xB05 Xenon Strobe 5 Joule



The hazardous area E2xB05 Xenon strobe beacon is UL/cULs approved for Class I Div 2, Class I Div 2, Class I Zone 2/22 as well as IECEx and ATEX certified for Zone 2 and 22 applications.

The E2xB05 is a 5 Joule Xenon strobe beacon with a 1Hz (60 fpm) flash rate.

The E2x range features enclosures manufactured from lightweight, high performance PPS which, with its corrosion proof properties, is suitable for the harshest of environments.

Features

- Very large termination area.
- Ratchet adjustable stainless steel 'U' bracket.
- Stainless Steel dome guard as standard
- Xenon tube mechanically secured against vibration & shock.
- User replaceable Xenon tube assembly.
- Duplicate cable terminations (in & out for daisy-chain installations).
- Tropicalisation available on request.

Approvals

ATEX certificate: DEMKO 06 ATEX 0421554X

IECEx certficate: IECEx ULD 14.0012X

UL/cUL File ref: E245313

Coding

- ATEX / IECEx certification
 II 3G Ex nA IIC T3 Gc Ta -20°C to +40°C
 II 3G Ex nA IIC T2 Gc Ta -20°C to +55°C
 II 3D Ex tc IIIC 85°C Dc Ta -20°C to +40°C
 II 3D Ex tc IIIC 100°C Dc Ta -20°C to +55°C
- NEC Class / Zone ratings US
 Class I Zone 2 AEx nA IIC T3 Gc Ta -20°C to +40°C
 Class I Zone 2 AEx nA IIC T2 Gc Ta -20°C to +55°C
 Zone 22 AEx tc IIIC 85°C Dc Ta -20°C to +40°C
 Zone 22 AEx tc IIIC 100°C Dc Ta -20°C to +55°C
- CEC Class / Zone ratings Canada
 Class I Zone 2 Ex nA IIC T3 Gc Ta -20°C to +40°C
 Class I Zone 2 Ex nA IIC T2 Gc Ta -20°C to +55°C
 Zone 22 Ex tc IIIC 85°C Dc Ta -20°C to +40°C
 Zone 22 Ex tc IIIC 100°C Dc Ta -20°C to +55°C
- NEC & CEC Class / Division Ratings for US / Canada Class I, Div 2, ABCD T2D Ta -20°C to +55°C Class I, Div 2, ABCD T3 Ta -20°C to +55°C Class II, Div 2, FG T5 Ta -20°C to +55°C Class II, Div 2, FG T6 Ta -20°C to +40°C Class III, Div 1&2 Ta -20°C to +55°C







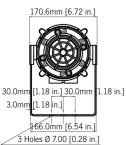












Specification

| Energy: | 5 Joules (5Ws) | |
|-------------------------|---|--|
| Flash rate: | 1Hz (60 fpm) | |
| Peak Candela: | 500,000 cd – calculated from energy (J) | |
| Effective Intensity cd: | 250 cd – calculated from energy (J) | |
| Peak Candela: | 34,122 cd* - measured ref. to I.E.S. | |
| Effective Intensity cd: | 108 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: | IP rating per EN60079-0:IP64 IP rating per EN60529:IP66 Type rating per UL50E/NEMA250:4/4X/13 | |
| Enclosure material: | UL94V0 PPS & ABS | |
| Lens material: | Borosilicate glass dome with PC prismatic lens cover. | |
| Guard: | Stainless Steel dome guard as standard | |
| Cable entries: | Dual M20x1.5 or 1/2"NPT | |
| Terminals: | 0.5 – 2.5mm² (20-14 AWG) | |
| Line monitoring: | Blocking diode included EOL can be factory fitted | |
| Operating temp: | -20 to +55°C [-4° to +131°F] | |
| Storage temp: | -40 to +70°C [-40° to +158°F] | |
| Relative humidity: | 90% at 20°C [68°F] | |
| Weight: | 1.48kg/3.25lbs | |
| * All candela data | is representative of performance with clear lens at | |

 $^{^{\}star}$ All candela data is representative of performance with clear lens at optimum voltage.

Part Codes

| Part Code: Product type: | Ident.: E2xB05 | Description: Xenon Strobe Beacon | |
|--------------------------------|---|--|--|
| Voltage: | AC115 AC230 DC012 DC024 DC048 | 115V ac 50/60Hz 230V ac 50/60Hz 12V dc (10-14V dc) 24V dc (20-28Vdc) 48V dc (42-54V dc) | |
| Cable entries: [e] | A B C | M20x1.5 & ½" NPT M20x1.5 & M20x1.5 ½" NPT & ½" NPT | |
| Stopping plug material: [m] | N | Nylon | |
| Bracket & Guard & tag: [s] | 1 2 3 4 | 304 A2 Stainless Steel 316 A4 Stainless Steel 304 A2 Stainless Steel & Equip. Tag 316 A4 Stainless Steel & Equip. Tag | |
| Version: [v] | A1 | UL, cULs, IECEx & ATEX | |
| Enclosure: [x] | В | Black | |
| Lens colour: [y] | A, B, C G, M, R Y | Amber, Blue, Clear Green, Magenta, Red Yellow | |

Current Consumption

| Version: | | _Voltage: | Current: |
|----------|---------|-----------|----------|
| 12V dc | | 10-14V dc | 520mA |
| 24V dc | | 20-28V dc | 275mA |
| 48V dc | | 42-58V dc | 145mA |
| 115V ac | 50/60Hz | +/-10% | 80mA |
| 230V ac | 50/60Hz | +/-10% | 30mA |