1-31-010 / Non-sparking signals

E2xB05 Xenon Strobe 5 Joule

The hazardous area E2xB05 Xenon strobe beacon is UL/cULs approved for Class I Div 2, Class II 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

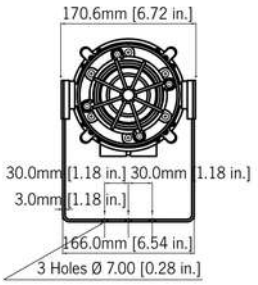
- ATEX certificate: DEMKO 06 ATEX 0421554X
- IECEx certficate: IECEx ULD 14.0012X
- UL/cUL File ref: E245313

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 optimum voltage.

Part Codes

Part Code:	Ident.:	Description:
Product type:	E2xB05	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]	B	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

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