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

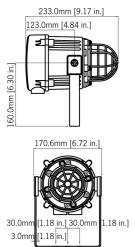
- ATEX / IECEx certification
 II 3G Ex nA IIC T3 Gc Ta -20°C to +40°C
 II 3G Ex nA IIC T2 Gc Ta -20°C to +55°C
 II 3D Ex tc IIIC 85°C Dc Ta -20°C to +40°C
 II 3D Ex tc IIIC 100°C Dc Ta -20°C to +55°C
- NEC Class / Zone ratings US Class I Zone 2 AEx nA IIC T3 Gc Ta -20°C to +40°C Class I Zone 2 AEx nA 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











166.0mm [6.54 in.] 3 Holes Ø 7.00 [0.28 in.]

Specification

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:	12 Vdc; 2 4 Vdc; 48 Vdc	
Voltages AC:	115Vac; 230Vac	
Ingress protection:	IP rating per EN60079-0:1P64 IP rating per EN60529:1P66 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 - 2.5mm ² (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 i optimum voltage.	is representative of performance with clear lens a	

Part Code: Product type:		Description: Xenon Strobe Beacon
Voltage:	AC230 DC012 DC024	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]	Ν	Nylon
Bracket & Guard: [s]	1 2	304 (A2) Stainless Steel 316 (A4) Stainless Steel
Version: [v]	A1	UL, cULs, IECEx & ATEX
Enclosure: [x]	В	Black
Lens colour: [y]		Amber, Blue, Clear Green, Magenta, Red Yellow
e.g: E2xB05DC024BN	1A1B/R	E2xB05 Xenon Beacon in 24Vdc with dual M20 entries nylon stopping plug, UL, cULs, IECEx & ATEX approved Black enclosure with Red Iens
		X05 combined alarm sounder and Xenon beacon and the n sounder and LED beacon.

Current Consumption

Version:		Voltage:	Current:	
12Vdc		10-14V dc	520mA	
2 4V dc		20-28V dc	275mA	
48V dc		42-58V dc	145mA	
115V ac	50/60Hz	+/-10%	80mA	
230V ac	50/60Hz	+/-10%	30mA	