XB10 10 & 15 joule xenon beacon range

Ex d(e), weatherproof

Overview

These compact and lightweight 10 & 15 Joule beacons have been designed for use in potentially explosive atmospheres and harsh environmental conditions.

The beacon housing, including the flamepaths, is manufactured completely from a UV stable glass reinforced polyester which is ideally suited for use offshore and onshore. Stainless steel screws and mounting bracket are incorporated ensuring a totally corrosion free unit.

An additional body clamp is available for high-vibration environments. Units can be painted to customer specification and supplied with identification labels.

Features

- Zone 1 and Zone 2 use
- Ex d(e) IIB T4
- ATEX approved, Ex II 2G
- IECEx certified Gb
- IP66 and IP67
- Certified temperature –55ºC to +55ºC*
- Low current 10 Joule version available
- Corrosion Free GRP
- Various lens colours
- Lens guard fitted as standard
- Stainless steel mounting bracket & screws
- Replaceable twin tubes
- Optional telephone initiate
- Optional earth continuity

*Model dependent

ATEX IECEx

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Powering Business Worldwide

All specifications, dimensions, weights and tolerances are nominal (typical) and Eaton reserve the right to vary all data without prior notice.
No liability is accepted for any consequence of use.

Certifications

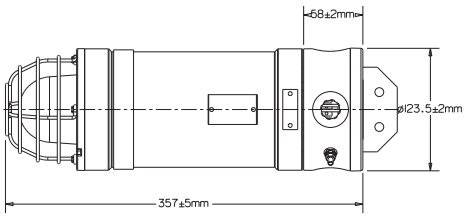
ATEX Ex d	Cert. no. BAS00ATEX2204X Certified to: EN60079-0, EN60079-1 Ex II 2G, Ex d IIB T4 Gb
ATEX Ex de	Cert. no. BAS00ATEX2226X Certified to: EN IEC 60079-0, EN60079-1, EN IEC 60079-7 Ex II 2G Ex db eb IIB T4 Gb
IECEx Ex d	Cert. no. IECEx BAS 10.0086X Certified to: IEC60079-0, IEC60079-1 Ex d IIB T4 Gb
IECEx Ex de	Cert. no. IECEx BAS 10.0087X Certified to: IEC60079-0, IEC60079-1, IEC60079-7 Ex db eb IIB T4 Gb

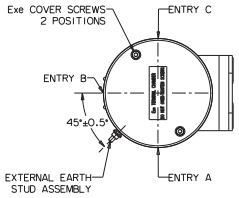
Specifications

Material	Body: glass reinforced polyester Lens: glass Cover screws + bracket: stainless steel 316
Finish	Natural black or painted to customer specification
Weight	Ex d 2.8kg. Ex de 3.6kg
Certified temp	15J unit: Exd -55ºC to +50ºC Ex db eb -50ºC to +50ºC 10J unit: Exd -55ºC to +65ºC Ex db eb -50ºC to +65ºC
Ingress protection	IP66 & IP67
Fire retardancy	GRP is fire retardant to ISO 1210
Terminals	4 x 2.5mm² (dc), 6 x 2.5mm² (ac)
Mounting	Wall mounted via bracket
Tube life	>1x10⁶ flashes

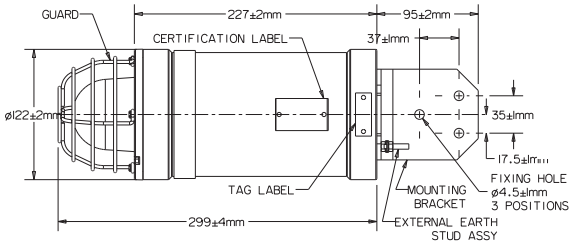
General arrangement drawing (all dimensions in mm)

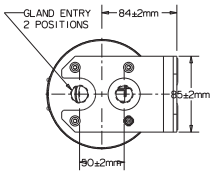
Exde version





Exd version





Electrical ratings:

	dc				ac			
Voltage	24		48		110		220/240/254	
Tube energy (J)	10	15	10	15	10	15	10	15
Current (mA)	700	1200	300	560	190	300	100	145
Effective intensity (Cd)	285	330	285	330	285	330	285	330
Peak intensity (Cd)	74179	111269	74179	111269	74179	111269	74179	111269
Power consumption (W)	16.8	28.8	14.4	26.8	20.9	33	24	34.8
Flash rate	1Hz (other flash rates available on request, please specify)							

Note: The above figures (Cd) are for a clear lens @ 1Hz flash rate

Multiplying factor for coloured lens:

Red	Blue	Amber	Green	Yellow
0.15	0.12	0.51	0.49	0.86

The photometric data has been verified by BSI. A report is available if required.

Ordering requirements

The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box

Model	Certification	Voltage	Power	Lens colour	Tag/duty	Options	Entries	Finish
XB10								

Certification	Code
Uncertified	W
Ex d	D
Ex de	E
IECEx Ex d	DJ
IECEx Ex de	EJ

Voltage	Code
24Vdc	024
48Vdc	048
110Vac	110
220Vac	220
240Vac	240
254Vac	254

Lens colour	Code
Red	R
Blue	B
Green	G
Amber	A
Yellow	Y
Clear	C

Option	Code
None	N
Telephone initiate	T
Earth continuity	E
3m cable tail	G

Finish	Code
Natural black	N
Red	R
Blue	B
Yellow	Y
Grey	G
White	W
Special	S*

* Please specify

Power	Code
10J	T
15J	F

Label	Code
None	N
Yes	Y*

* Please specify

Entries	Code
Ex d	
1 x M20	1B
1 x PG13.5	1P
2 x M20	2B
2 x PG13.5	2P
Ex de	
3 x M20	3B