# **DATASHEET** - BC 125 Ex BEACON/LIGHT

## AUDIBLE & VISUAL SIGNALLING EQUIPMENT





**DESCRIPTION BC 125 Ex Beacon & Light** is designed according to EN/IEC 60079-0, EN/IEC 60079-1 and EN 54 standard. Enclosure material is Stainless Steel. This product is certified for use and installation in Zone I and Zone 2 areas with gases groups of IIA, IIB, IIC and temperature classification of T4~T6. It especially applies to Oil & Gas, Offshore Platform, Chemical, Petrochemical, Refinery and Marine Industries etc.

Different flash or rotary frequency can be adjusted from unique design. Three working statuses-flash type, rotary type and steady type are available (LED).

It has telephone initiated function and can be used as the second ring output indicator of industrial telephones which apply to special locations where the environment is noisy on the engineering site.

MAIN FEATURES • Ex d IIC • Zone I & 2 • Industrial Explosive Gas Environment • IP 66/67 • Stainless Steel Enclosure • Tempered Glass Lens • Xenon or LED Type • Xenon: 2.5, 5, 10, 15 or 20 Joule, Flashing Type • LED: 5 or 10W, Flashing, Rotating or Steady Type Available • Flashing or Rotating Frequency Adjustable • Powder Coated Finish • 5 Lens Colours: Red, Amber, Blue, Green and Clear • 12-48V DC or 100-240V AC Version • Electrical Board (PCB) Replacable • Telephone Inititated Function Optional • Standard: EN/IEC 60079-0, EN/IEC 60079-1, EN 54.

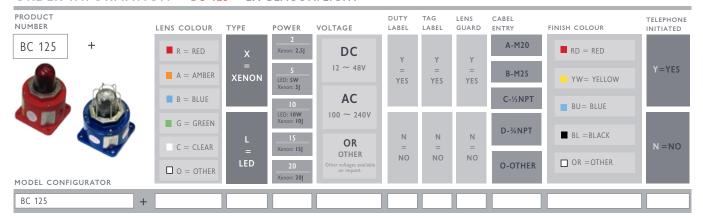
Various colors are selectable for lens from Red, Amber, Blue, Green to Clear. Other colors are also available upon customer's request.

#### INTENDED USE



- zone I & 2
- zone 21 & 22 (pending)

## ORDER INFORMATION - BC 125 - EX BEACON/LIGHT



### DIMENSIONS - BC 125 - EX BEACON/LIGHT



#### SPAREPARTS & ACCESSORIES

Xenon PCB (DC) 5006	060400621	M20 Stainless Steel Exd Blind Plug	55100110920	M20 Stainless Steel Exd Cable Gland	CG SM020X
Xenon PCB (AC) 5006	60400622	M25 Stainless Steel Exd Blind Plug	55100110925	M25 Stainless Steel Exd Cable Gland	CG SM025X
LED PCB (DC) 5006	60400611	I/2NPT Stainless Steel Exd Blind Plug	55100110821	I/2NPT Stainless Steel Exd Cable Gland	CG SN012X
LED PCB (AC) 5006	60400612	3/4NPT Stainless Steel Exd Blind Plug	55100110843	3/4NPT Stainless Steel Exd Cable Gland	CG SN034X



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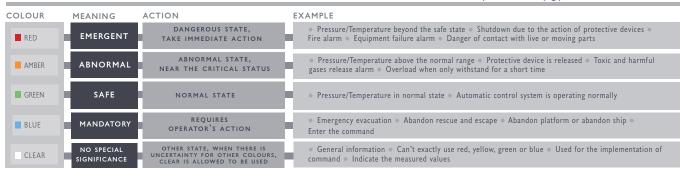
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#### TECHNICAL INFORMATION - BC 125 - EX BEACON/LIGHT

EX CODE	• Ex d II C T4~T6	INTENDED USE			
ATEX MARKING	• 🐼 II 2 G		•••••••••••••••••••••••••••••••••••••••	INTENDED 03	
TYPE	Xenon or LED	•••••	•••••••••••••••••••••••••••••••••••••••	(C)	
KENON	• 2.5, 5, 10, 15 or 20 Joule	(£ X)			
.ED	• 5 or 10 Watt				
	• 5 Joule: 109Cd 10 Joule: 293C			<ul><li>zone 1 &amp; 2</li><li>zone 21 &amp; 22</li><li>(pending)</li></ul>	
PEAK CANDELA (XENON)*	• 5 Joule: 35 970Cd 10 Joule: 66 80	4Cd	20Joule: 95 824Cd		
MULTIPLYING FACTOR OF COLOURED LENS COVER	• Amber: 0,51 Green: 0,49	Red: 0.15	Blue: 0,12	* Candela Present	
WORKING STATUS  • Xenon: Flashing LED: Flashing, rotating or steady					
FLASHING RATE (XENON)	• 60/80/120 Times/min 100/120/150	Flash Rate			
FLASHING RATE (LED)	• 60/75/0 * Times/min 75/95/0 * 1	mes/min (* 0 Presents Steady Sta	atus )		
,	60/75/100 Times/min 75/95/120	imes/min			
ROTATING RATE (LED)	Same as Flashing (LED)				
AMBIENT TEMPERATURE	• -40 to + 70° C		•••••••••••••••••••••••••••••••••••••••		
HUMIDITY	• ≤ 95% RH				
MECHANICAL SPECIFICATION:		• • • • • • • • • • • • • • • • • • • •	•••••••••••••••••••••••••••••••••••••••		
MATERIAL	• Enclosure: Stainless steel		······································		
_ENS	• Tempered Glass, through coloured in; Red, amber, blue, green, clear or other (specify)				
ENCLOSURE FINISH	• Powder coated in colour: Red, y	llow, Blue, Black or other	(specify)		
	• IP 66/67				
WEIGHT	• 5,4 kg / 11,9 lb				
DIMENSIONS	• Length: 125 mm / 4.92" Width	125 mm / 4.92" <b>Heig</b> l	<b>ht:</b> 181.2 mm / 7.13"		
ELECTRICAL SPECIFICATION:					
POWER SUPPLY	• 12-48V DC or 100-240V AC		·····		
	• ≤ 2,5mm <sup>2</sup> Cable		······		
• • • • • • • • • • • • • • • • • • • •	• 4 x M20, M25, I/2"NPT, 3/4"NPT or Oth				
CERTIFICATION	• ATEX, IECEX(Pending), IMETRO (Pe	nding), CQST	······		
WORKING CURRENT	XENON	nergy I2V DC 24V DC	48V DC   110V AC   220V AC		
		8/	80mA 45mA 25mA		
			140mA 60mA 35mA		
	OC   110V AC   220V AC	,	250mA 100mA 60mA		
LED Power   I2V DC   24V DC   48V					
Fower 12V DC 24V DC 48V 530mA 260mA 120m	A 80mA 40mA	15J 1200mA 700mA	360mA   140mA   80mA		

## THE MEANING OF LENS COLOUR USAGE IN THE INTERNATIONAL STANDARD (IEC 60073)





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