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 $T4\sim T6$. 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.

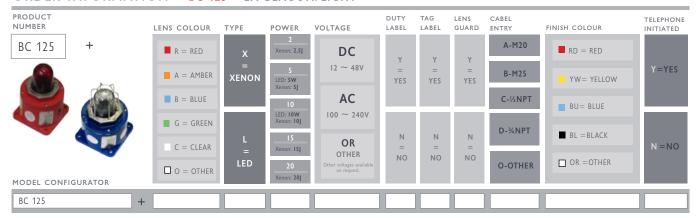
Various colors are selectable for lens from Red, Amber, Blue, Green to Clear. Other colors are also available upon customer's request.

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) 50 | 0060400621 | M20 Stainless Steel Exd Blind Plug | 55100110920 | M20 Stainless Steel Exd Cable Gland | CG SM020X |
|-------------------|------------|---------------------------------------|-------------|----------------------------------------|-----------|
| Xenon PCB (AC) 50 | 0060400622 | M25 Stainless Steel Exd Blind Plug | 55100110925 | M25 Stainless Steel Exd Cable Gland | CG SM025X |
| LED PCB (DC) 50 | 0060400611 | 1/2NPT Stainless Steel Exd Blind Plug | 55100110821 | 1/2NPT Stainless Steel Exd Cable Gland | CG SN012X |
| LED PCB (AC) 50 | 0060400612 | 3/4NPT Stainless Steel Exd Blind Plug | 55100110843 | 3/4NPT Stainless Steel Exd Cable Gland | CG SN034X |



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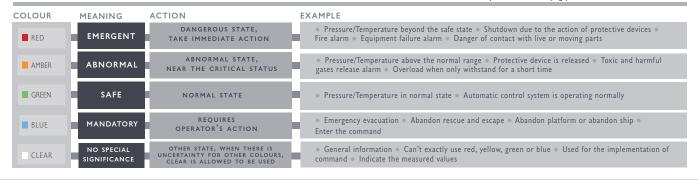
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AUDIBLE & VISUAL SIGNALLING EQUIPMENT

TECHNICAL INFORMATION - BC 125 - EX BEACON/LIGHT

| EX CODE | • Ex d II C T4~T6 | | | | |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--|--|--|--|
| ATEX MARKING | • 🐼 II 2 G | | | | |
| TYPE | • Xenon or LED | | | | |
| XENON | • 2.5, 5, 10, 15 or 20 Joule | | | | |
| LED | • 5 or 10 Watt | | | | |
| EFFECTIVE CANDELA (XENON)* | • 5 Joule: 109Cd 10 Joule: 293Cd 15 Joule: 395Cd 20 Joule: 424Cd • zone 21 & | | | | |
| PEAK CANDELA (XENON)* | • 5 Joule: 35 970Cd 10 Joule: 66 804Cd 15 Joule: 83 345Cd 20 Joule: 95 824Cd (pending) | | | | |
| EFFECTIVE CANDELA (LED)* | • 5 W: 128Cd 10 W: 312 Cd | | | | |
| MULTIPLYING FACTOR OF COLOURED LENS COVER | • Amber: 0,51 Green: 0,49 Red: 0.15 Blue: 0,12 | | | | |
| WORKING STATUS | • Xenon: Flashing LED: Flashing, rotating or steady | | | | |
| FLASHING RATE (XENON) | • 60/80/120 Times/min 100/120/150 Times/min 120/150/180 Times/min | | | | |
| / | • 60/75/0 * Times/min 75/95/0 * Times/min (* 0 Presents Steady Status) | | | | |
| LASHING RATE (LED) | 60/75/100 Times/min 75/95/120 Times/min (* U Presents steady status) | | | | |
| | 60/75/100 Times/min 75/95/120 Times/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) | | | | |
| NCLOSURE FINISH | Powder coated in colour: Red, yellow, Blue, Black or other (specify) | | | | |
| NGRESS PROTECTION | • IP 66/67 | | | | |
| WEIGHT | • 5,4 kg / 11,9 lb | | | | |
| DIMENSIONS | • Length: 125 mm / 4.92" Width: 125 mm / 4.92" Height: 181.2 mm / 7.13" | | | | |
| LECTRICAL SPECIFICATION: | | | | | |
| POWER SUPPLY | • 12-48V DC or 100-240V AC | | | | |
| ERMINAL | • ≤ 2,5mm² Cable | | | | |
| CABLE ENTRY | • 4 x M20, M25, 1/2"NPT, 3/4"NPT or Other (Specify) | | | | |
| CERTIFICATION | ATEX, IECEX(Pending), IMETRO (Pending), CQST | | | | |
| WORKING CURRENT | | | | | |
| | XENON Energy 12V DC 24V DC 48V DC 110V AC 220V AC | | | | |
| | | | | | |
| | 2,5J 220mA 150mA 80mA 45mA 25mA | | | | |
| | 2,5J 220mA 150mA 80mA 45mA 25mA 5J 460mA 280mA 140mA 60mA 35mA | | | | |
| LED Power 12V DC 24V DC 48V | | | | | |
| LED Power I2V DC 24V DC 48V 5W 530mA 260mA 120r | 5J 460mA 280mA 140mA 60mA 35mA 10J 850mA 490mA 250mA 100mA 60mA | | | | |

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





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