

BEXBG05 XENON BEACON – 5 JOULE

Special detection Product Datasheet

Features

- Automatic synchronisation on multi-beacon system.
- Beacons can be set to 'flip-flop' alternating mode with other units on multi-beacon systems.
- Xenon tubes mechanically secured against shock & vibration
- Glass lens & Stainless Steel guard
- Very large termination area
- Ratchet adjustable stainless steel 'U' bracket
- IN & OUT terminals (Ex de version only)

Product overview

The flameproof BExBG05 Xenon beacons are suitable for Zone 1, 2, 21 & 22 applications.

The BExBG05 5 Joule beacons are ideal for general signalling duties whilst their robust construction makes installation in the harshest of environments possible. Additional features include automatic synchronisation on multi-beacon systems and stainless steel guard and mounting bracket as standard.

The BEx range features enclosures manufactured from corrosion proof, marine grade copper free LM6 aluminium which is phosphated and powder coated. All models have two M20 cable entries, large termination areas containing in & out terminals (Ex de version only) and an ingress protection of IP66/67 (Ex d) and IP66 (Ex de).



Product name	Part number	Description
BExBG05D	116-M6018	EX d Xenon alarm light, 24V DC, Red
BExBG05D	116-M6019	EX d Xenon alarm light, 24V DC, Amber
BExBG05D	116-M6020	EX d Xenon alarm light, 24V DC, Blue
BExBG05D	116-M6021	EX d Xenon alarm light, 230V AC, Red
BExBG05D	116-M6022	EX d Xenon alarm light, 230V AC, Amber
BExBG05D	116-M6023	EX d Xenon alarm light, 230V AC, Blue

Other configurations on request

Technical Specification	
Energy	5 Joules (5Ws)
Flash rate	1Hz (60 fpm)
Peak Candela	500,000 cd - calculated from energy (J)
Effective Intensity cd	2 50 cd - calculated from energy (J)
Peak Candela	34,812 cd* - measured ref. to I.E.S.
Effective Intensity cd	105 cd* - measured ref. to I.E.S.
Lens colours	Amber, Blue, Clear, Green, Red & Yellow
Voltages DC	12V DC; 24V DC; 48V DC
Voltages AC	115V AC; 230V AC
Ingress protection	BExBG05D : IP66/67 BExBG05E : IP66
Housing material	Marine grade copper free LM6 Aluminium
Housing finish	Phosphated & powder coated finish - anti-corrosion.
Colour	RAL3000 Red (others available on request)
Cable entries	Dual M20 ISO
Terminals	0.5 to 2 .5mm ² cables.
Line monitoring	Min. 500 Ohm 2 w, or 3k3 Ohm 0.5w res. or diode within Exd enclosure (DC versions)
Tube life	Emissions are reduced to 70% after 8 million flashes
Weight	DC: 2 .45kg/5.39lbs AC: 2 .75kg/6.05lbs

*All candela data is representative of performance with clear lens at optimum voltage.

Approvals	
ATEX	KEMA 00ATEX2006, EN 60079-0 : 2006, EN 60079-1 : 2007, EN 60079-7 : 2003, EN 612 41-0 : 2006, EN 612 41-1 : 2004
IECEX	IECEX KEM 10.0002 , IEC 60079-0 : 2004 (Ed4), IEC 60079-1 : 2007 (Ed6), IEC 60079-7 : 2001 (Ed3), IEC 612 41-0 : 2004 (Ed1), IEC 612 41-1 : 2004 (Ed1)
GOST-R	POCC G B.JB05.B03365
INMETRO	10-IEx-0010

Beacon	Classification
BExBG05D	<p>ATEX / IECEx: II 2 G Ex d IIC T4 Ta. -50°C to +70°C II 2 G Ex d IIC T5 Ta. -50°C to +55°C II 2 G Ex d IIC T6 Ta. -50°C to +40°C II 2 D Ex tD A2 1 IP67 T115°C based on max. Ta. 70°C</p> <p>GOST-R: 1ExdIICT4 Ta. -50° to +55°C DIP A2 1 Ta T4</p>
BExBG05E	<p>ATEX / IECEx: II 2 G Ex de IIC T4 Ta. -50°C to +70°C II 2 G Ex de IIC T5 Ta. -50°C to +55°C II 2 G Ex de IIC T6 Ta. -50°C to +40°C II 2 D Ex tD A2 1 IP66 T115°C based on max. Ta. 70°C</p> <p>GOST-R: 2 ExdeIICT4 Ta. -50° to +55°C DIP A2 1 Ta T4</p>

Current consumption

Version		Voltage	Current
12 V DC		10-14V DC	750mA
24 V DC		20-28V DC	300mA
48 V DC		42 -54V DC	180mA
115V AC	50/60Hz	+10/-10 %	140mA
230V AC	50/60Hz	+10/-10 %	55mA

Dimension drawing

