

## SPECIFICATION

### Power Supply

Model	24Vdc	115Vac	230Vac
Voltage	18 to 28V dc	115V±10%	230V±10%
Current	270mA	140mA	55mA

### Output

Energy	5 Joules
Colour	Xenon flash through clear or coloured lens.
Frequency	1Hz (Synchronised).

### Certification

#### Europe ATEX

Code	Group II Category 2G Ex d IIC T6 Tamb -50 to +40°C Ex d IIC T5 Tamb -50 to +55°C Ex d IIC T4 Tamb -50 to +70°C
and	Group II Category 2D Ex tD A21 IP67 T85 Tamb +40°C Ex tD A21 IP67 T100 Tamb +55°C Ex tD A21 IP67 T115 Tamb +70°C

Certificate no. KEMA 00ATEX2006

#### Location

Gas	Zone 1 or 2
Dust	Zone 21 or 22

#### End of line monitoring

A resistor or diode may be fitted inside the enclosure monitoring for line continuity. The resistor must have a minimum value of 3,300Ω and a minimum power rating of 0.5W, or a minimum value of 500Ω and a minimum power rating of 2W. (24V model only)

### International IECEx

Code	Ex d IIC T6 Ta -50°C to +40°C Ex d IIC T5 Ta -50°C to +55°C Ex d IIC T4 Ta -50°C to +70°C
and	Ex tD A21 IP67 T85 Ta +40°C Ex tD A21 IP67 T100 Ta +55°C Ex tD A21 IP67 T115 Ta +70°C

Certificate no. IECEx KEM 10.0002

### Environmental

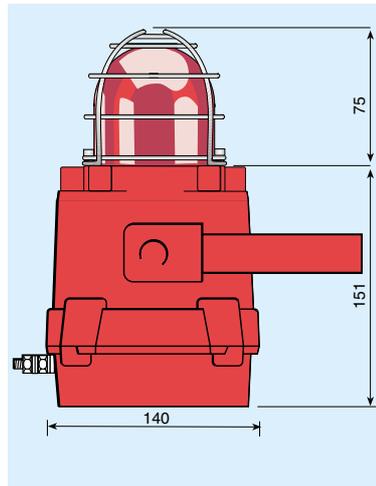
Operating temp	-50 to +70°C (See certificate)
Storage	-50 to 70°C
Humidity	To 95% at 40°C
Enclosure	IP67 with two M20 tapped cable entries.
EMC	In accordance with EU Directive 2004/108/EC

### Mechanical

Enclosure Body	Marine grade LM6 phosphated and powder coated, providing good resistance to high humidity and salt spray
Lens	Glass
Glass guard & fittings	Stainless steel
Terminals	Screw clamp for two 4mm <sup>2</sup> cables
Cable entry	Two tapped M20
Weight	2.5kg

### Accessories

Pipe mounting kit.	BA393 stainless steel heavy duty using 'V' bolt for 40 - 80mm outside diameter vertical or horizontal pipe.
Tag plate	Etched stainless steel plate fitted to beacon 'U' bracket.



## HOW TO ORDER

Voltage	<b>Please specify</b> 24V dc; 115V ac or 230V ac
Lens colour	Red; amber; yellow; green; blue or clear

### Accessories

Pipe mounting kit	BA393
Tag plate	Legend required

# BExBG05D

## Flashing beacon

*Flameproof for use in gas & dust hazardous areas*

- ◆ **Flameproof ATEX & IECEx gas and dust certification**
- ◆ **5 joule output**
- ◆ **Rugged IP67 enclosure**
- ◆ **Stainless steel lens guard**
- ◆ **Auto synchronised flash**

The BExBG05D is a bright flashing xenon beacon for use in hazardous areas. Housed in a robust IP67 enclosure it is suitable for exterior mounting and is available with coloured lenses to aid alarm identification.

**Main application** of the BExBG05D is to provide a visual warning in noisy areas where a sounder may not be heard, or to supplement a sounder warning. The beacon produces a regular bright flash once every second and will attract attention in most ambient lighting conditions.

**ATEX & IECEx flameproof certification** allows the beacon to be installed in Zones 1, 2, 21 & 22 and to be used with most industrial gases.

**Higher output** 10 and 15 joule beacons are also available.



# BEKA associates

BEKA associates Ltd. Old Charlton Rd.  
Hitchin, Hertfordshire, SG5 2DA, U.K.  
Tel. (01462) 438301 Fax (01462) 453971  
e-mail sales@beka.co.uk www.beka.co.uk