

# Ex Flashing Lights 5 / 10 / 15 Joules

## BExBG05 / BExBG10 / BExBG15 ATEX



The flashing light is ideal for almost all mounting requirements: side, ceiling and floor mounting

- categories 2G (Zones 1 and 2), 2D (Zones 21 and 22)
- extremely bright at up to 15 Joules flash energy
- large connection box for simple mounting
- also available with connection box in increased safety version
- very sturdy, manufactured from seawater-resistant aluminium and stainless steel protection cage
- BExBG05 can be mounted in all operating positions

5 Joules

Covering distance as per EN 54

10 Joules

Covering distance as per EN 54

15 Joules

Covering distance as per EN 54

IP 67

Protection system

+70 °C

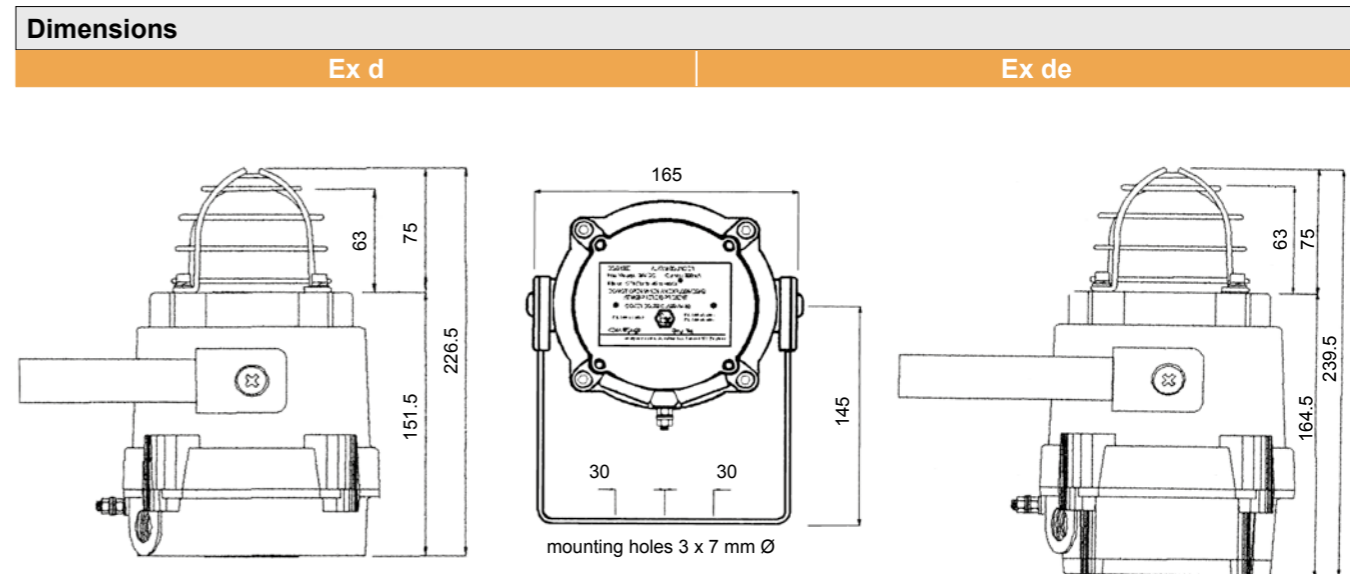
-50 °C

Operating temperature

Electrical data	AC	BExBG05		BExBG10		BExBG15	
Rated voltage		230 V AC	115 V AC	230 V AC	115 V AC	230 V AC	115 V AC
Rated frequency		50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Operating range		± 10%	± 10%	± 10%	± 10%	± 10%	± 10%
Nominal current consumption		55 mA	140 mA	110 mA	250 mA	170 mA	360 mA
Electrical data	DC	BExBG05		BExBG10		BExBG15	
Rated voltage		48 V DC	24 V DC	12 V DC	48 V DC	24 V DC	12 V DC
Operating range		± 25%	± 25%	± 25%	± 25%	± 25%	± 25%
Nominal current consumption		180 mA	300 mA	750 mA	340 mA	660 mA	1450 mA

Mechanical data	BExBG05D/BExBG05E	BExBG10D/BExBG10E	BExBG15D/BExBG15E
Type of protection	Ex d IP 67 / Ex de IP 66		
Explosion protection <sup>1</sup>	II2G Ex d IIC T4, T5 or T6 II2G Ex de IIC T4, T5 or T6 II2D Ex tD A21 IP67 T85, T100 or T115	II2G Ex d IIC T4 or T5 II2G Ex de IIC T4 or T5 II2D Ex tD A21 IP67 T95, T110 or T125	
Category (area of use)	2G (Zone 1, 2) 2D (Zone 21, 22)		
Certificate of conformity	KEMA 01 ATEX 2030		
Testing body	KEMA		
Flash energy	5 J	10 J	15 J
Flash rate	60 flashes/min., stabilised		
Lens colours	clear, yellow, amber, red, green, blue		
Temperature class T	T4 / T115°C @ Ta - 50 °C ... + 70 °C T5 / T100°C @ Ta - 50 °C ... + 55 °C T6 / T85°C @ Ta - 50 °C ... + 40 °C	T4 / T125°C @ Ta - 50 °C ... + 70 °C T110°C @ Ta - 50 °C ... + 55 °C T5 / T85°C @ Ta - 50 °C ... + 40 °C	
Storage temperature	- 50 °C ... + 70 °C		
Relative humidity	90%		
Duty cycle	100%		
Service life of the flash tube	light emission still 70% after 8,000,000 flashes		
Material	lens: glass	housing: die-cast aluminium, resistant to salt water, marine grade LM6, red (RAL 3000)	protective cage and bracket: stainless steel
Type of connection	1 x 4 mm <sup>2</sup> or 2 x 2.5 mm <sup>2</sup>		
Cable entry <sup>1</sup>	2 x M20, of which one open, optionally PG13.5 or 1/2" NPT		
Weight	Exd: 2.45 kg	Exde: 2.75 kg	

<sup>1</sup> Ex cable gland not included



Ordering details					
Article numbers		BExBG05-E		BExBG05-D	
Lens colour	Rated voltage	230 V AC	24 V DC	230 V AC	24 V DC
yellow		311 30 10 3 000	311 30 80 3 000	311 31 10 3 000	311 31 80 3 000
amber		311 30 10 4 000	311 30 80 4 000	311 31 10 4 000	311 31 80 4 000
red		311 30 10 5 000	311 30 80 5 000	311 31 10 5 000	311 31 80 5 000
Article numbers		BExBG10-E		BExBG10-D	
Lens colour	Rated voltage	230 V AC	24 V DC	230 V AC	24 V DC
yellow		311 20 10 3 000	311 20 80 3 000	311 21 10 3 000	311 21 80 3 000
amber		311 20 10 4 000	311 20 80 4 000	311 21 10 4 000	311 21 80 4 000
red		311 20 10 5 000	311 20 80 5 000	311 21 10 5 000	311 21 80 5 000
Article numbers		BExBG15-E		BExBG15-D	
Lens colour	Rated voltage	230 V AC	24 V DC	230 V AC	24 V DC
yellow		311 10 10 3 000	311 10 80 3 000	311 11 10 3 000	311 11 80 3 000
amber		311 10 10 4 000	311 10 80 4 000	311 11 10 4 000	311 11 80 4 000
red		311 10 10 5 000	311 10 80 5 000	311 11 10 5 000	311 11 80 5 000

Article numbers for other colours and voltages on request

### Options / Accessories



### Manufacturer's declaration

We hereby declare that the explosion-protected flashing light with the type designation **BExBG05 ... 15 d or e ATEX** has been developed and manufactured in accordance with section 5.1.2 of EN 50014.

- This declaration is based on compliance with the following regulations and standards:**
- 94/9/EG CE conformity
  - EN 50014 Electrical equipment for areas at risk of explosions – General requirements
  - EN 50018 Pressure-resistant encapsulation 'd'
  - EN 50019 Enhanced safety 'e'
  - EN 50281-1-1 Electrical equipment for use in areas with combustible dust
  - EN 60529 Types of protection by enclosure (IP code)
  - 89/336/EWG 'Electromagnetic compatibility'

The Ex-BExBG05 - 15 d or e flashing lights are approved for use in potentially explosive areas in Zones 1, 2, 21 and 22 as per 94/9/EU.