

Ex Flashing lights 5 Joules / 10 Joules / 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
- can be mounted in all operating positions

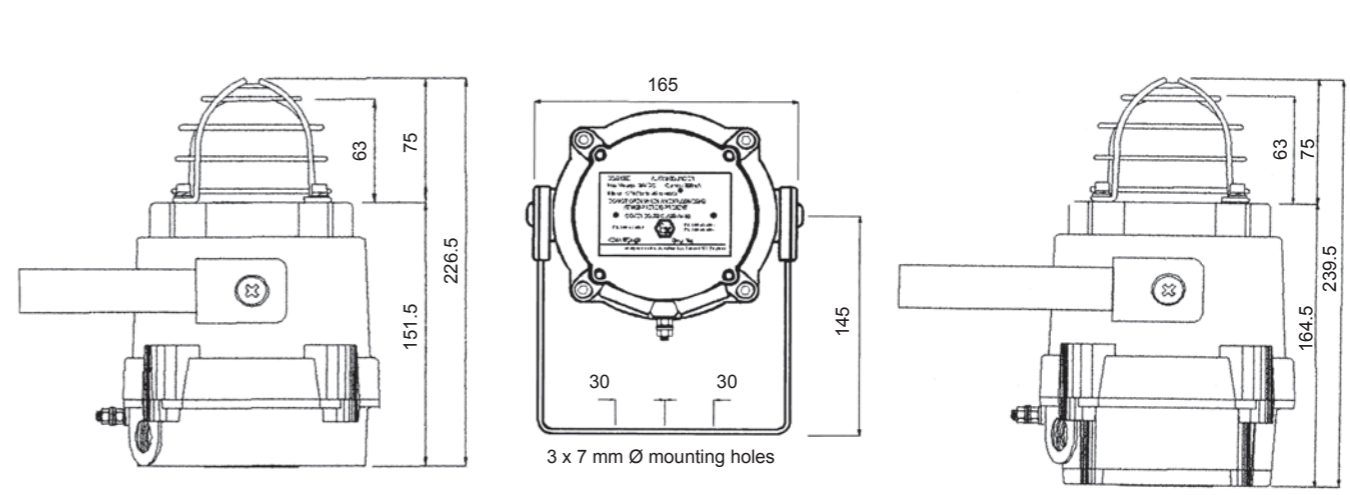
5 Joules Range as per EN 54	10 Joules Range as per EN 54	15 Joules Range as per EN 54	 Protection system	 Operating temperature
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Electrical data	AC	BExBG05		BExBG10		BExBG15	
Rated voltage	230 V AC	115 V AC	230 V AC	115 V AC	230 V AC	115 V AC	
Rated frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 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	48 V DC
Operating range	± 25 %	± 25 %	± 25 %	± 25 %	± 25 %	± 25 %	± 25 %
Nominal current consumption	180 mA	300 mA	750 mA	340 mA	660 mA	1450 mA	480 mA

Mechanical data	BExBG05D/BExBG05E	BExBG10D/BExBG10E	BExBG15D/BExBG15E
Type of protection	Ex d IP 67 / Ex de IP 66		
Explosion protection ¹	II2G Ex d IIC T4, T5 or T6 II2G Ex de IIC T4, T5 or T6 II2D Ex tD A21 IP66 or IP67 T85, T100 or T115	II2G Ex d IIC T4 or T5 II2G Ex de IIC T4 or T5 II2D Ex tD A21 IP66 or 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 Joules	10 Joules	15 Joules
Flash rate	60 flashes/min., stabilised		
Lens colours	clear, yellow, amber, red, green, blue		
Temperature class T	T4 / T135°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 ² or 2 x 2.5 mm ²		
Cable entry ¹	2 x M20, of which one open, optionally PG13.5 or 1/2" NPT		
Weight	d version	2.45 kg	
	e version	2.75 kg	

¹ Ex cable gland not included

Dimensions



Ordering details

Article numbers	BExBG05-E		BExBG05-D	
Lens colour	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	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	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.