

Ex FLASHING SOUNDERS

BExCS 110-05D / BExDCS 110-05D



Combination devices for visual and acoustic alarms

- stainless steel protective cage and stainless steel mounting bracket for 360° positioning
- extremely intensive light reflection due to 5 joules xenon flash
- 32 different tones incl. DIN tone, UKOOA/PFEER conformant, 2 externally controllable tones (via plus or minus in DC version) (see page 211 for tone table)
- acoustic and visual signal can be controlled separately
- synchronised flash frequency (1 Hz) or alternating flash mode in system operation
- highly resistant to corrosion and suitable for the toughest environments
- adjustable volume (except 12 V DC version)
- flashing light is insensitive to vibration, impact and shock



max. covering distance



Protection system

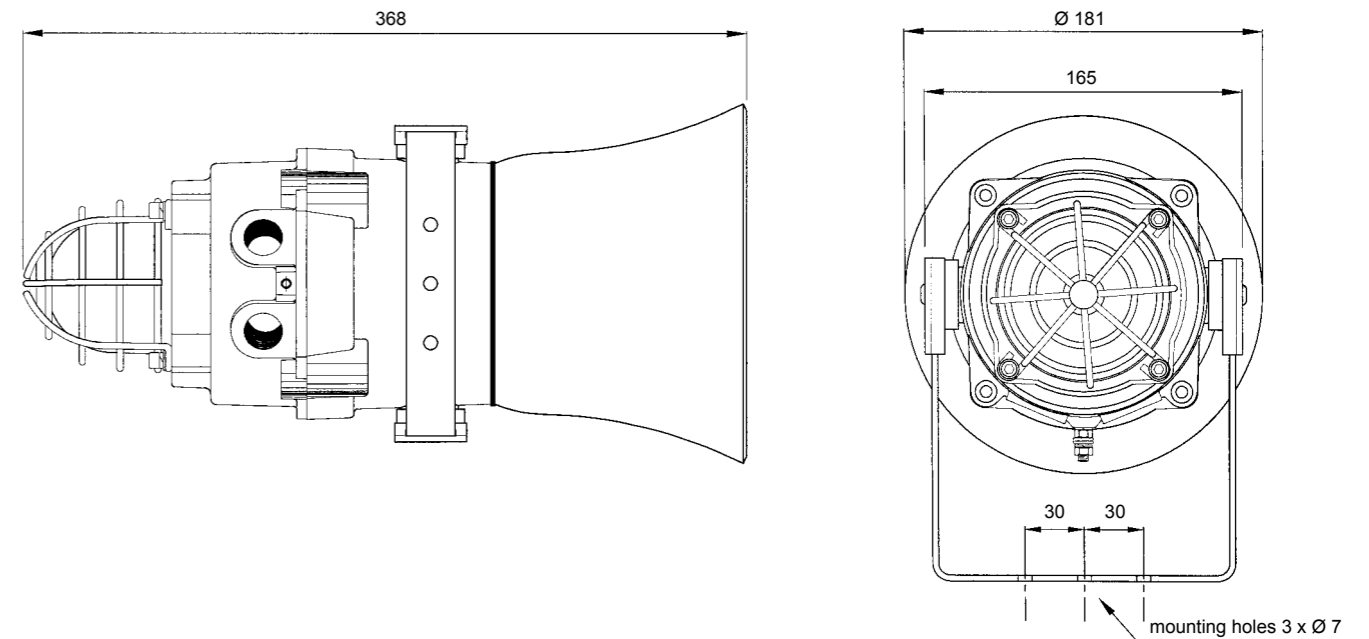


Operating temperature

Electrical data	BEx(D)CS 110-05D sounder				
Rated voltage	230 V AC	115 V AC	48 V DC	24 V DC	12 V DC
Rated frequency	50 / 60 Hz	50 / 60 Hz			
Operating range	± 10%	± 10%	± 25%	± 25%	± 25%
Nominal current consumption	56 mA	110 mA	130 mA	250 mA	195 mA
Electrical data	BEx(D)CS 110-05D flashing light				
Rated voltage	230 V AC	115 V AC	48 V DC	24 V DC	12 V DC
Rated frequency	50 / 60 Hz	50 / 60 Hz			
Operating range	± 10%	± 10%	42 – 54 V	20 – 28 V	10 – 14 V
Nominal current consumption	55 mA	140 mA	180 mA	270 mA	750 mA

Mechanical data	BExCS 110-05D	BExDCS 110-05D
Explosion protection	II 2G Ex d IIB T4 - 50 °C ... + 70 °C Ta	II 2GD Ex d IIB T4 T100°C
Category (area of use)	2G (Zone 1) 3G (Zone 2)	2G (Zone 1) / 2D (Zone 21) 3G (Zone 2) / 3D (Zone 22)
Certificate of conformity	KEMA 03 ATEX 2545 X	KEMA 01 ATEX 2223 X
Testing body	KEMA	KEMA
Sound pressure level	110 dB (A)	
Sound level reduction	- 9 dB	
Flash energy	5 J	
Flash rate	approx. 1 Hz = 60 flashes/min.	
Lens colours	clear, yellow, amber, red, green, blue	
Storage temperature	- 50 °C ... + 70 °C	
Relative humidity	90%	
Protection system according to EN 60529	IP 67	
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 LM6, similar to RAL 3000 (flame red)
	horn	ABS self-extinguishing, similar UL 94 VO & 5VA FR ABS, Ex II 2D anti-static ABS, black
Connecting terminals	0.5 ... 4.0 mm ²	
Cable entry	2 / 1 x closed, 1 x open (M20), optionally PG13.5 or 1/2" NPT	
Weight	AC	5.0 kg
	DC	4.8 kg

Dimensions



Ordering details

Article numbers		BExCS 110-05D		
Lens colour	Rated voltage	230 V AC	115 V AC	24 V DC
red		320 74 10 5 000	320 74 15 5 000	320 74 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 **BExCS 110-05 D, BExDCS 110-05D** 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 50281-1-1	Electrical equipment for use in areas with combustible dust