

FLASHING SOUNDERS

BExCS 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, UK00A/PFEER conformant, 2 externally controllable tones (via plus or minus in DC version).
- 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.





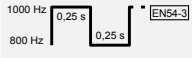


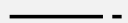
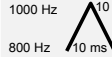
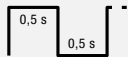


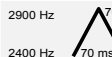

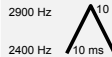

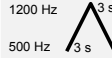

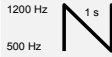
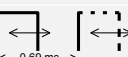




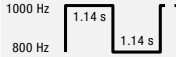


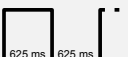






protection system



operating temperature


PRODUCT		BExCS 110-05D sounder				
DATA						
Rated voltage		230 V	115 V	48 V	24 V	12 V
		AC 50 60 Hz			DC	
Operating range		±10 %	±10 %	±25 %	±25 %	±25 %
Nominal current consumption		56 mA	110 mA	130 mA	250 mA	195 mA
BExCS 110-05D flashing light						
Rated voltage		230 V	115 V	48 V	24 V	12 V
		AC 50 60 Hz			DC	
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
BExCS 110-05D						
Explosion protection		Ex db IIB T5 Gb Ta. -50°C to +40°C Ex db IIB T4 Gb Ta. -50°C to +70°C Ex tb IIIC T110°C Db Ta. -50°C to +55°C Ex tb IIIC T125°C Db Ta. -50°C to +70°C				
Category (area of use)		2G (Zone 1) / 2D (Zone 21) 3G (Zone 2) / 3D (Zone 22)				
Certificate of conformity		KEMA 03 ATEX 2545 X				
Testing body		DEKRA				
Sound pressure level		110 dB(A)				
Sound level reduction		-9 dB				
Flash energy		5 Joule				
Flash rate		approx. 1 Hz = 60 flashes/min				
Storage temperature		-50 °C ... +70 °C				
Relative humidity		90 %				
Protection system (EN 60529)		IP 66/67				
Duty cycle		100 %				
Service life of the light source		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 to UL 94 VO & 5VA FR ABS, red				
Connecting terminals		0.5–2.5 mm ²				
Cable entry		2 / 1x closed, 1x open (M20), optionally PG13.5 or 1/2" NPT				
Weight	AC	5.0 kg				
	DC	4.8 kg				

TONE TABLE

NO.	DESCRIPTION – BASIC TONE	STAGE		NO.	DESCRIPTION – BASIC TONE	STAGE					
		2	3			2	3				
1	Continuous tone	1000 Hz		31	11	18	Interrupted tone, Sweden SS031711 (air raid warning)	660 Hz		2	5
2	Alternating tone, UK BS5839-1 (fire alarm, railway crossing)	1000 Hz 800 Hz		17	5	19	Sweeping, France NFC48-265	1600 Hz 1400 Hz		2	5
3	Slow whoop	1200 Hz 500 Hz		2	5	20	Continuous tone, Sweden SS031711 (all-clear signal)	660 Hz		2	5
4	Sweeping (fast)	1000 Hz 800 Hz		6	5	21	Alternating tone, Sweden SS031711	554 Hz 440 Hz		2	5
5	Dauerton	2400 Hz		3	20	22	Interrupted tone	544 Hz		2	5
6	Wobbelton	2900 Hz 2400 Hz		7	5	23	Interrupted tone	800 Hz		6	5
7	Wobbelton (schnell)	2900 Hz 2400 Hz		10	5	24	Sweeping (medium), UK BS5839-1	1000 Hz 800 Hz		29	5
8	Wobbelton	1200 Hz 500 Hz		2	5	25	Sweeping	2900 Hz 2400 Hz		29	5
9	Sägezahn, DIN-Ton 33404-3 Deutschland (Notsignal), PFEER PTAP	1200 Hz 500 Hz		15	2	26	Interrupted tone, (fast variable), bell	1450 Hz		2	1
10	Wechselton	2900 Hz 2400 Hz		7	5	27	Continuous tone	554 Hz		26	5
11	Unterbrochener Ton	1000 Hz		31	1	28	Continuous tone	440 Hz		2	5
12	Wechselton	1000 Hz 800 Hz		4	5	29	Sweeping (fast), UK BS5839-1	1000 Hz 800 Hz		7	5
13	Unterbrochener Ton	2400 Hz		15	5	30	Interrupted tone, Australia AS2220, AS1610, AS1670	420 Hz		32	5
14	Unterbrochener Ton	800 Hz		4	5	31	Sawtooth, DIN tone 33404-3 Germany (emergency signal)	1200 Hz 500 Hz		11	1
15	Dauerton	800 Hz		2	5	32	Slow whoop, Australian evacuation alarm AS2220	1200 Hz 500 Hz		26	1
16	Unterbrochener Ton	660 Hz		18	5						
17	Wechselton, Frankreich NFS 32-001 (Feueralarm)	554 Hz 440 Hz		2	27						

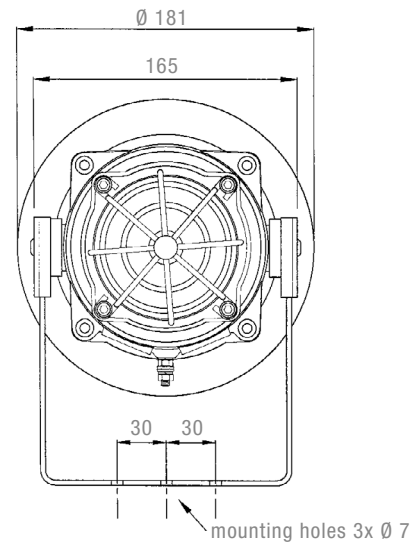
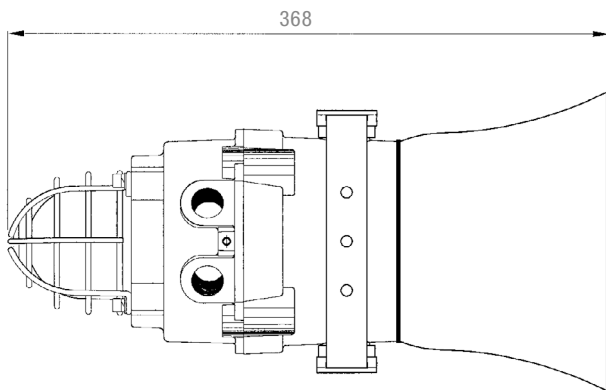
¹ factory setting

The sounder can be set externally to the respective tones of stage 2 & 3. Tone 2 is preset.

ARTICLE-NO.	BExCS 110-05D		
Lens colour	230 V AC	115 V AC	24 V DC
	32074105000	32074155000	32074805000

Article numbers for other colours and voltages on request.

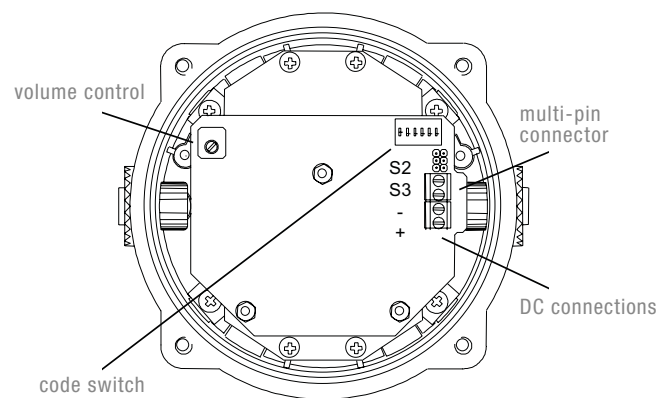
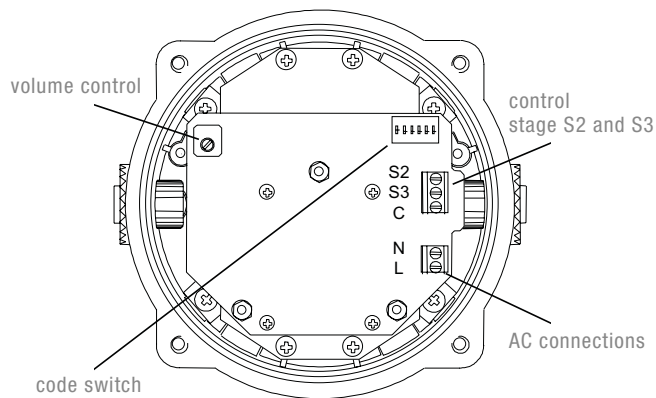
DIMENSIONS



CONNECTION DIAGRAMS

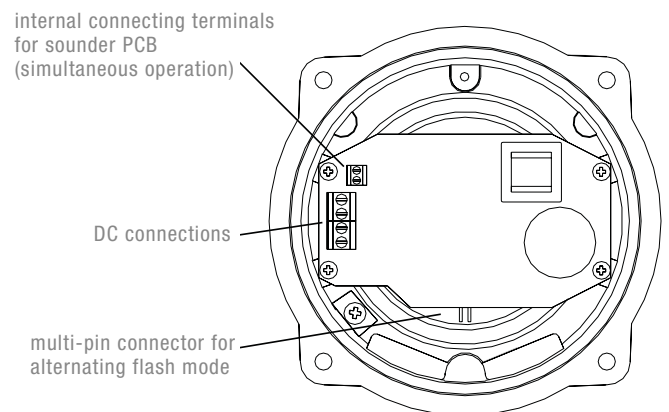
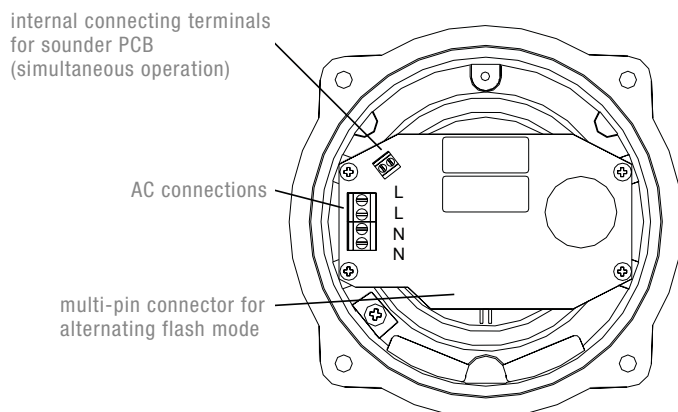
sounder – AC

sounder – DC



flashing light – AC

flashing light – DC



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