

SOUNDER 113 dB(A) BExS110 ATEX



- 32 different tones can be set; UK00A/PFEER conform.
- 113 dB(A) sound pressure.
- 3 externally selectable tones – positive and negative control possible in the case of DC devices.
- Quartz-stabilised tone synchronisation.
- Adjustable volume (except 12 V DC).
- ATEX and optionally IECEx approval.
- Housing made of die-cast aluminium LM6, horn made of ABS.
- Stainless steel mounting bracket for 360° positioning.
- Categories 2G (zones 1 and 2), 2D (zones 21 and 22).

IP 66
IP 67

protection
system

+70 °C
-50 °C

operating
temperature

EN
54-3

BExS110D
24V DC

VdS
G209081

BExS110D
24V DC

PRODUCT	BExS110				
DATA					
Rated voltage	230 V	115 V	48 V	24 V	12 V
	AC 50 60 Hz		DC		
Operating range	±10 %		±25 %		
Nominal currenconsumption	56 mA	110 mA	130 mA	265 mA	195 mA

PRODUCT	BExS110	
Type of protection	„D“ = Ex db / Ex tb or „E“ = Ex db / Ex db eb / Ex tb	
Explosion protection	see certificate	
Category (area of use)	2G (Zone 1) / 2D (Zone 21) 3G (Zone 2) / 3D (Zone 22)	
Certificate of conformity	KEMA 99 ATEX 7906 X	
Sound pressure level	113 dB(A)	
Sound pressure level @DIN-tone	112 dB(A)	
Sound level reduction	max. -9 dB(A) (not for 12V DC units)	
Alarm tones	32	
Temperature class T	up to IIC T4 / T100°C @ Ta -50°C...+55°C further details see certificate and installation instruction	
Operating temperature	max. -50°C ... +70°C (see also temperature classes)	
Storage temperature	-50 °C ... +70 °C	
Relative humidity	90 %	
Duty cycle	100 %	
Material	housing	die-cast aluminium LM6, similar to RAL 3000 (flame red)
	horn	ABS self-extinguishing, UL 94 V0 & 5VA FR ABS
Connecting terminals	BExS110D	1x 4 mm ² or 2x 2.5 mm ²
	BExS110E	2x 2.5 mm ²
Cable entry	2 / 1x closed, 1x open (M20), optionally PG13.5 or 1/2" NPT	
Weight	BExS110D	AC: 3.42 kg DC: 3.16 kg
	BExS110E	AC: 3.68 kg DC: 3.42 kg

OPTIONS/ACCESSORIES

IECEx
No. SIM
04.0001

TONE TABLE

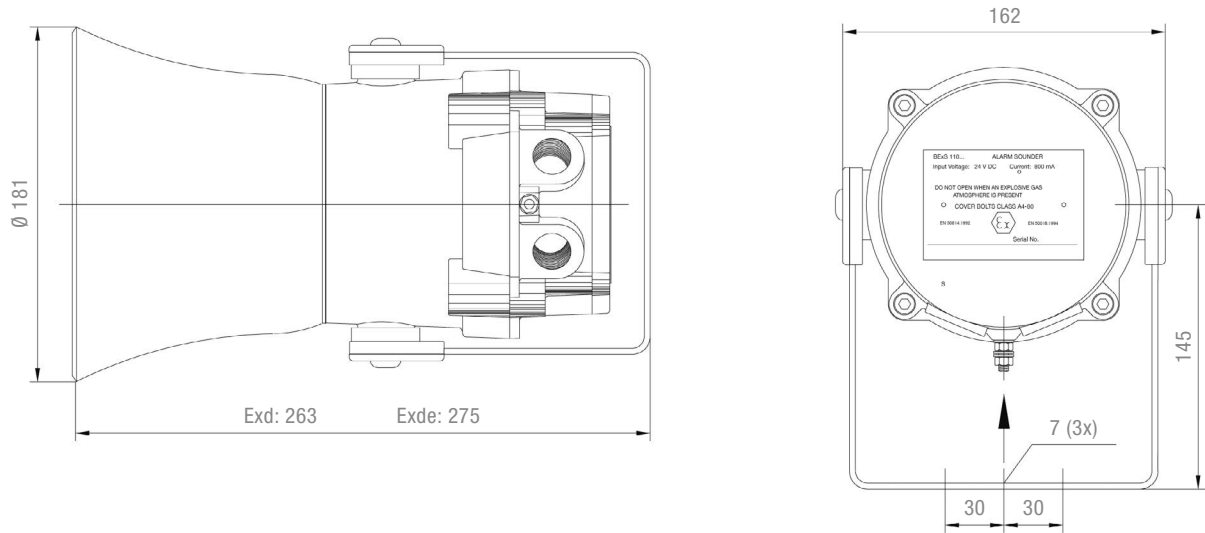
No.	Description - basic tone		Stage		No.	Description - basic tone		Stage	
			2	3				2	3
1	Continuous tone	1000 Hz	31	11	18	Interrupted tone, Sweden SS031711 (air raid warning)	660 Hz	2	5
2 ¹	Alternating tone, UK BS5839-1 (fire alarm, railway crossing)	1000 Hz EN 54-3	17	5	19	Sweeping, France NFC48-265	1600 Hz	2	5
3	Slow whoop	1200 Hz	2	5	20	Continuous tone, Sweden SS031711 (all-clear signal)	660 Hz	2	5
4	Sweeping (fast)	1000 Hz	6	5	21	Alternating tone Sweden SS031711	554 Hz	2	5
5	Continuous tone	2400 Hz	3	27	22	Interrupted tone	554 Hz	2	5
6	Sweeping	2900 Hz	7	5	23	Interrupted tone	800 Hz	6	5
7	Sweeping (fast)	2900 Hz	10	5	24	Sweeping (medium), UK BS5839-1	1000 Hz	29	5
8	Sweeping	1200 Hz	2	5	25	Sweeping	2900 Hz	29	5
9	Sawtooth, DIN tone 33404-3 Germany (emergency signal), PFEER PTAP	1200 Hz EN 54-3	15	2	26	Interrupted tone, (fast variable), bell	1450 Hz	2	1
10	Alternating tone	2900 Hz	7	5	27	Continuous tone	554 Hz	26	5
11	Interrupted tone	1000 Hz	31	1	28	Continuous tone	440 Hz	2	5
12	Alternating tone	1000 Hz	4	5	29	Sweeping (fast), UK BS5839-1	1000 Hz	7	5
13	Interrupted tone	2400 Hz	15	5	30	Interrupted tone, Australia AS2220, AS1610, AS1670	420 Hz	32	5
14	Interrupted tone	800 Hz	4	5	31	Sawtooth, DIN tone 33404-3 Germany (emergency signal)	1200 Hz	11	1
15	Continuous tone	800 Hz	2	5	32	Slow whoop, Australian evacuation alarm AS2220	1200 Hz	26	1
16	Interrupted tone	660 Hz EN 54-3	18	5					
17	Alternating tone, France NFS 32-001 (fire alarm)	554 Hz EN 54-3	2	27					

¹ factory setting

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

ARTICLE NO.	BExS110D		BExS110E	
Rated voltage	230 V AC	24 V DC	230 V AC	24 V DC
	32080100000	32080800000	32082100000	32082800000

DIMENSIONS



CONNECTION DIAGRAMS

