

# IS-MINI LED BLINKING SOUNDER IS-mC1



Very economical visual and acoustic alarm.

- Certified for use in Ex-Zones 0, 1 and 2!
- Compact design with a diameter of just 88 mm.
- Alarm operated via certified zener barriers or galvanic isolators.
- 49 loud tones at 102 dB(A); super-bright LEDs in red, green, blue and yellow/amber for all applications.
- Volume control.
- Can be operated as combination unit or separately.
- Very well suited for fire alarm systems and direct control due to low power consumption.
- Self-synchronising sounder for clear tone perception.
- 2 different externally controllable tones.



protection system



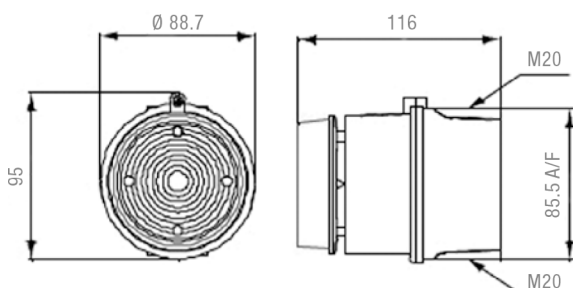
operating temperature



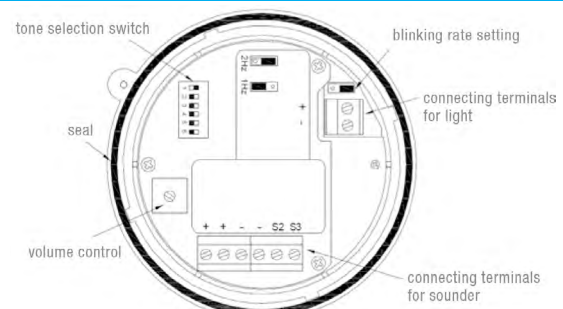
PRODUCT	IS-mC1
<b>DATA</b>	
Operating range	16–28 V DC
Nominal current consumption	48 mA (typical for connection to 24 V DC via 28 V / 300 Ω zener barrier)
Type of protection	“ia” inherently safe
Explosion protection	II 1G Ex ia IIC T4 –40 °C ... +60 °C Ta
Category (area of use)	1G (Zone 0) / 2G (Zone 1) / 3G (Zone 2)
Certificate / Testing body	SIRA 05 ATEX2084 X / SIRA
Sound pressure level	102 dB(A)
Sound pressure level @DIN-tone	98 dB(A)
Sound level reduction	by –20 dB
Flash rate	can be set to 2 Hz or 1 Hz
Light source	LED <span style="color: yellow;">●</span> <span style="color: red;">●</span> <span style="color: green;">●</span> <span style="color: blue;">●</span>
Storage temperature	7 cd
Relative humidity	–40 °C ... +70 °C
Protection system (EN 60529)	90 %
Duty cycle	IP 65
Material	housing 100 %
	lens ABS, self-extinguishing UL94V0 & 5VA, similar to RAL 3000 (flame red)
Connecting terminals	polycarbonate (PC)
Cable entry	0.5–2.5 mm <sup>2</sup>
Weight	2x M20 (knock-outs prepared)
Gewicht	280 g

Power must be connected via a zener barrier (max. 28 V DC, 93 mA DC, 0.66 W) or a galvanic isolator, specified by the system certificate.

## ABMESSUNGEN



## ANSCHLUSSBILD



**TONE TABLE**

NO.	DESCRIPTION – FREQUENCY	STAGE		NO.	DESCRIPTION – FREQUENCY	STAGE	
		2	3			2	3
1	Continuous tone	340 Hz		2	5		
2	Alternating tone, UK BS5839-1 (fire alarm, railway crossing)	1000 Hz 800 Hz		17	5		
3	Slow whoop, evacuation alarm Netherlands NEN 2575	1200 Hz 500 Hz		2	5		
4	Sweeping (fast)	1000 Hz 800 Hz		6	5		
5	Continuous tone	2400 Hz		3	20		
6	Sweeping	2900 Hz 2400 Hz		7	5		
7	Sweeping (fast)	2900 Hz 2400 Hz		10	5		
8	Sweeping	1200 Hz 500 Hz		2	5		
9	Sawtooth, DIN-Ton 33404-3 Germany (emergency signal), PFEER PTAP	1200 Hz 500 Hz		15	2		
10	Alternating tone	2900 Hz 2400 Hz		7	5		
11	Interrupted tone	1000 Hz		2	5		
12	Alternating tone	1000 Hz 800 Hz		4	5		
13	Interrupted tone	2400 Hz		15	5		
14	Interrupted tone	800 Hz		4	5		
15	Continuous tone	800 Hz		2	5		
16	Interrupted tone	660 Hz		18	5		
17	Alternating tone, France NFS 32-001 (fire alarm)	554 Hz 440 Hz		2	27		
18	Interrupted tone, Sweden SS031711 (air raid warning)	660 Hz		2	5		
19	Sweeping, France NFC48-265	1600 Hz 1400 Hz		2	5		
20	Continuous tone, Sweden SS031711 (all-clear signal)	660 Hz		2	5		
21	Alternating tone	554 Hz 440 Hz		2	5		
22	Interrupted tone	554 Hz		2	5		
23	Interrupted tone	800 Hz		6	5		
24	Sweeping (medium), UK BS5839-1	1000 Hz 800 Hz		29	5		
25	Sweeping	2900 Hz 2400 Hz		29	5		
26	Simulated bell	1450 Hz		2	15		
27	Continuous tone	800 Hz		26	5		
28	Continuous tone	440 Hz		2	5		
29	Sweeping (fast), UK BS5839-1	1000 Hz 800 Hz		7	5		
30	Continuous tone	300 Hz		2	5		
31	Sweeping	1200 Hz 660 Hz		26	5		
32	2-tone bell sound	800 Hz 650 Hz		26	15		
33	Interrupted tone	745 Hz		2	5		
34	Alternating tone, Singapore	2000 Hz 1000 Hz		38	45		
35	Interrupted tone, Australian alert	420 Hz		35	5		
36	Sweeping, IMO 3d, Germany KTA3901 evacuation alarm	1200 Hz 500 Hz		35	3		
37	Continuous tone	1000 Hz		9	45		
38	Continuous tone	2000 Hz		34	45		
39	Interrupted tone	800 Hz		23	17		
40	Alternating tone, France NFS 32-001 (fire alarm)	554 Hz 440 Hz		31	27		
41	Motor siren	1200 Hz		2	5		
42	Motor siren	800 Hz		2	5		
43	Continuous tone, PFEER gas alarm	1200 Hz		2	5		
44	Motor siren	2400 Hz		2	5		
45	Interrupted tone, PFEER (general alarm)	1000 Hz		38	34		
46	Sawtooth, DIN-Ton 33404-3 Germany (emergency signal)	1200 Hz 500 Hz		47	37		
47	Interrupted tone, PFEER (general alarm)	1000 Hz		46	37		
48	Interrupted tone, Australia AS2220, AS1610, AS1670	420 Hz		49	5		
49	Sweeping, IMO 3d, Germany KTA3901 evacuation alarm	1200 Hz 500 Hz		26	37		

ARTICLE NO.	IS-mC1
LED colour	24 V DC
	32035804000
	32035805000
	32035806000
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