

Technical Data

Flashni (FL)				
	 EN54-3		 EN54-3	
Operating voltage	12Vnom (9 - 15Vdc)		24Vnom (18 - 28Vdc)	
Current	111mA		90mA	
Cable size	0.28 - 2.5mm ²		0.28 - 2.5mm ²	
Ambient temperature (min/max)	-10°C to +55°C		-10°C to +55°C	
Material	ABS V0		ABS V0	
Environmental category (IP rating)	IP21C D/U = IP65*		IP21C D/U = IP65*	
Tones	6	32	6	32

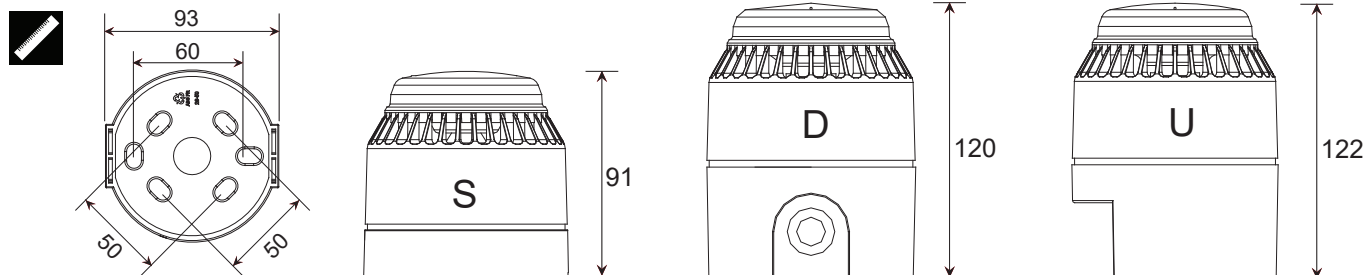
* Device not EN54 certified to IP65. Manufacturer's declaration.

Fire Alarm Device - Sounder for indoor (type A) use

Essential Characteristics

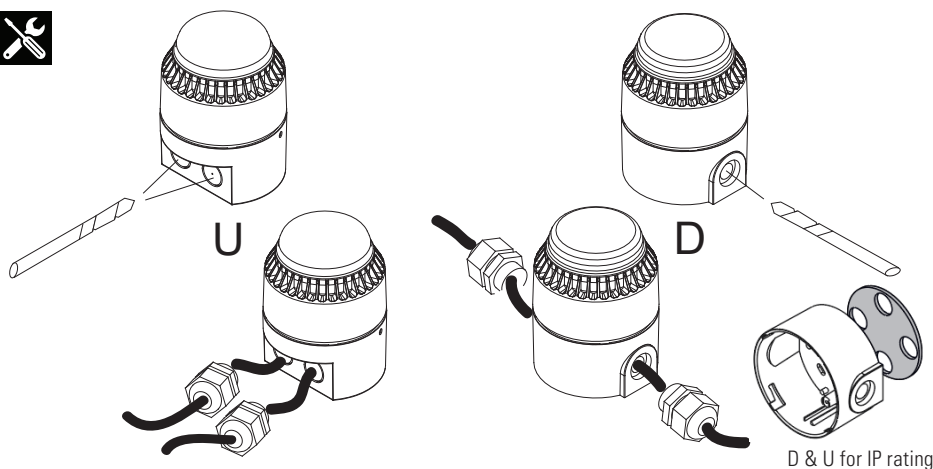
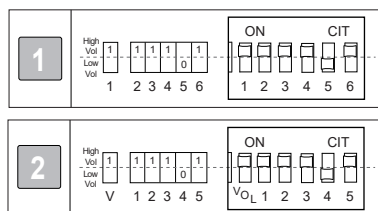
Harmonized Technical Specification: EN54-3:2001+A1:2002+A2:2006

Clause(s)	Performance
4.2, 4.3, 5.2, 5.3	Pass
4.4, 4.5, 4.6, 5.4	Pass
5.5, 5.7, 5.8, 5.9	Pass
5.8, 5.9	Pass
5.11	Pass
5.12, 5.13, 5.14, 5.15	Pass
5.16	Pass
5.17	Pass

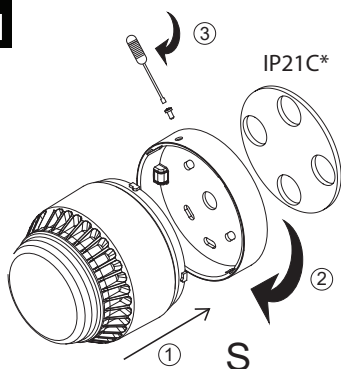


Switch Variants

Example of Tone 3 setting



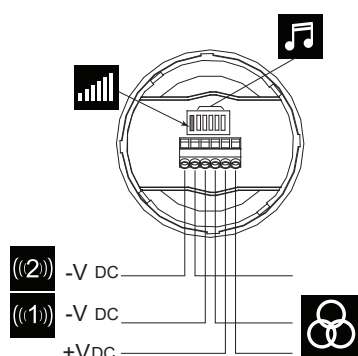
D & U for IP rating



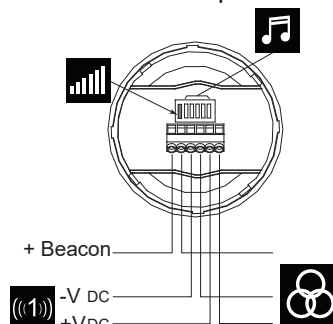
* Not to be used with false ceilings
* Nicht auf eine Zwischendecke verwendet werden



Flashni - EN54-3



Flashni Separate*



*Separate not CPR and VdS approved.

								Main Application	12V @20°C			24V @20°C		
									mA	dB(A)	EN54-3 Min SPL @ 28Vdc @ Max Volume @ Loudest note dB(A)	mA	dB(A)	EN54-3 Min SPL @ 28Vdc @ Max Volume @ Loudest note dB(A)
				Pattern	Frequency Hz	Rate	Depiction							
1	14	11111		Alternating	800 & 970	2Hz (250ms-250ms)		BS Fire	86	91	*	68	100	*
2	14	11110		Sweep	800 to 970	7Hz (7/s)		BS Fire	86	93	*	68	101	*
3	14	11101		Sweep	800 to 970	1Hz (1/s)		BS Fire	86	95	95	68	101	97
4	14	11100		Continuous	2850	Steady		General Purpose	93	95	*	82	110	*
5	4	11011		Sweep	2400 to 2850	7Hz		General Purpose	94	101	*	80	110	*
6	4	11010		Sweep	2400 to 2850	1Hz		General Purpose	92	104	*	80	110	*
7	14	11001		Slow whoop	500 to 1200	3s sweep, 0.5 s silence, then repeat		Dutch fire (NEN 2575)	84	95	95	70	98	98
8	14	11000		Sweep (DIN)	1200 to 500	1Hz		German fire (DIN 33 404)	87	94	94	66	98	94
9	4	10111		Alternating	2400 & 2850	2Hz (250ms-250ms)		General Purpose	92	95	*	80	109	*
10	14	10110		Intermittent	970	0.5Hz (1s On/1s Off)		PFEER alert	85	92	*	62	100	*
11	14	10101		Alternating	800 & 970	1Hz (500ms-500ms)		BS Fire	85	92	*	68	100	*
12	4	10100		Intermittent	2850	0.5Hz (1s On/1s Off)		General Purpose	88	95	*	74	109	*
13	14	10011		Intermittent	970	0.8Hz (250ms On/1s Off)		General Purpose	83	91	*	58	96	*
14	1	10010		Continuous	970	Steady		PFEER toxic gas	85	92	92	70	101	91
15	14	10001		Alternating	554 & 440	100ms-400ms		French fire (NFS 32-001)	87	93	*	62	93	*
16	19	10000		Intermittent	660	3.3Hz (150ms On/150msOff)		Swedish (Air Raid)	84	92	*	59	86	*
17	19	01111		Intermittent	660	0.28Hz(1.8s On/1.8s Off)		Swedish (Local warning)	84	93	*	62	88	*
18	19	01110		Intermittent	660	0.05Hz (13s Off / 6.5s On)		Swedish (Pre-mess)	85	93	*	64	88	*
19	1	01101		Continuous	660	Steady		Swedish (All clear)	84	93	*	64	89	*
20	19	01100		Alternating	554 & 440	0.5Hz (1s On/1s Off)		Swedish (Turn out)	86	93	*	63	96	*
21	14	01011		Intermittent	660	1Hz (500ms-500ms)		Swedish general purpose	84	92	*	60	100	*
22	14	01010		Intermittent	2850	4Hz (150ms On/100ms Off)		Pelican crossing	90	94	*	72	109	*
23	14	01001		Sweep	800 to 970	50Hz		BS Fire	85	92	*	68	101	*
24	4	01000		Sweep	2400 to 2850	50Hz		General Purpose	93	101	*	75	110	*
25	14	00111		Intermittent	970	3 x 500ms pulses, 1.5s silence, then repeat		ISO 8201	83	92	*	64	99	*
26	14	00110		Intermittent (I*)	800 to 970	3 x 500ms pulsed sweep, 1.5s silence, then repeat		ISO 8201	84	94	*	70	108	*
27	14	00101		Intermittent (I*)	970 & 800	3 x 500ms pulsed sweep, 1.5s silence, then repeat		ISO 8201	83	91	*	85	83	*
28	10	00100		Alternating	800 & 970	2Hz (250ms-250ms)		BS Fire	86	91	*	67	100	*
29	988Hz	00011		Alternating	990 & 650	2Hz (250ms-250ms) (Symphoni tones)		BS Fire	87	95	95	71	99	95
30	510Hz	00010		Alternating	510 & 610	2Hz (250ms-250ms) (Squashni Micro tones)		BS Fire	86	91	91	65	96	96
31	14	00001		Sweep	300 to 1200	1Hz		General Purpose	87	95	*	71	96	*
32	510Hz	00000		Alternating	510 & 610	1Hz (500mS-500mS)		BS Fire	86	92	*	85	83	*

- I. Tones certified under the CPR (Fire Alarm Applications) are shown in the column marked EN54-3

II. All other SPL measurements are taken ‘on axis’ & are not third party verified.

III. Detailed EN54-3 polar SPL measurements are available in M05-014

IV. A SPL of at least 65dB(A) is achieved in at least one direction at minimum volume/voltage.

I. Les tons certifiés dans le cadre de la RPC (application alarme incendie) sont indiqués dans la colonne intitulée EN54-3.

II. Toutes les autres mesures NPA sont relevées « sur axe » et ne sont pas vérifiées par un tiers.

III. Les mesures NPA polaires détaillées EN54-3 sont disponibles dans M05-014

I. Die nach CPR (Feuermelderanwendung) zertifizierten Töne sind in Spalte EN54-3.

II. Alle anderen Schalldruckmessungen wurden vom akustischen Mittelpunkt ab gelesen und von keiner unabhängigen Stelle verifiziert.

III. Detaillierte Polar-SPL-Messungen gemäß EN54-3 sind erhältlich in M05-014

I. I toni della sirena certificati CPR (applicazione allarme antincendio) sono indicate nella colonna contrassegnata con EN54-3.

II. Tutte le altre misurazioni SPL sono state rilevate “sull’asse” e non sono state verificate da terzi.

III. Le misurazioni SPL polari ai sensi della norma EN54-3 sono disponibili in M05-014
- I. U vindt tonen die onder CPR (brandalarmtoepassing) zijn gecertificeerd, in de kolom waar EN54-3 staat vermeld.

II. Alle andere SPL-afmetingen zijn via de ‘as’ gedaan en niet door derden geverifieerd.

III. Uitgebreide polaire SPL-afmetingen voor EN54-3 zijn beschikbaar in M05-014

I. Los sonidos certificados por el CPR (aplicación para alarmas de incendios) se muestran en la columna marcada con EN54-3.

II. Cualquier otra medida del SPL (nivel de intensidad acústica) se toma “sobre el eje” y no está verificada por terceras partes.

III. Las medidas detalladas del SPL polar EN54-3 están disponibles en M05-014

I. Signaler som är certifierade för CPR (brandvarnare) visas i kolumnen märkt EN54-3.

II. Alla övriga mätningar av ljudtrycket har genomförts “direkt intill” och är inte bekräftade av tredje part.

III. Detaljerade polära mätningar av ljudtrycket enligt EN54-3 finns under M05-014

I. Sygnały dźwiękowe zgodne z CPR (do zastosowań pożarowych) wskazane są w kolumnie EN54-3.

II. Pomiar SPL wszystkich pozostałych sygnałów zostały wykonane „w osi” i nie były poddane weryfikacji przez stronę trzecią.

III. Szczegółowe dane pomiarów kątowych SPL wg EN54-3 dostępne są w dokumencie M05-014.