

Sirene FNM-320, standardne

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Tehnologija za život



- ▶ Glasnoća do 112 dB(A)
- ▶ Mogu se koristiti u okruženjima s nepovoljnim uvjetima
- ▶ Za 12 V DC i 24 V DC
- ▶ Zaštita od zamjene polariteta
- ▶ Dostupne u verzijama s nadžbuknim i podžbuknim polaganjem kabela

Sirene FNM-320 uređaji su za zvučnu signalizaciju s pretvornikom zvuka.

Funkcije

Integrirani pretvornik zvuka omogućava odabir između 32 varijante tona, uključujući različite tonove zavijanja, različite signale za protupožarni alarm (npr. DIN ton u skladu sa standardom EN 457 / DIN 33404) i druge posebne modulacije.

Tonovi se postavljaju pomoću 5-pinske DIP sklopke u signalnom uređaju. Uz odabranu vrstu tona, aktivacijom drugog ulaza uključuje se i druga vrsta tona. Dodatni prekidač omogućuje dvije postavke, puni izlaz ili prigušivanje od 10 dB(A).

Zvučni tlak može varirati ovisno o vrsti tona, postavljenoj glasnoći i radnom naponu, a može iznositi najviše 112 dB(A).

Moguća je nadzirana veza prema upravljačkim pločama sustava za dojavu požara.

Bajunetna brava omogućava jednostavnu montažu.

Certifikati i odobrenja




































































































Regija	Certifikacija
Njemačka	VdS G 210036 FNM-320-Serie
	VdS G 210037 FNM-320LED-SRD
Europa	CE FNM-320-SRD, FNM-320-FRD, FNM-320-SWH, FNM-320-FWH
	CE FNM-320LED-SRD
	CPD 0832-CPD-1374 FNM-320-SRD, FN-320-SWH, FNM-320-FRD, FNM-320-FWH
	CPD 0832-CPD-1375 FNM-320LED-SRD
Poljska	CNBOP 1182/2012 FNM-320

Napomene za instalaciju/konfiguraciju

- Uređaj se može povezati sa sljedećim pločama sustava za dojavu požara:
 - FPA-5000 / FPA-1200 s NZM 0002 A ili FLM-420-NAC
 - BZ 500 LSN, UEZ 1000 LSN, UEZ 2000 LSN, UGM 2020
- Za spajanje na napon dostupne su kopče s dva vijka.

- FNM-320LED-SRD nema certifikat EN 54-23. Rotirajuće svjetlo nije prikladno za korištenje s protupožarnim alarmima unutar EU.
- Zvukovi certificirani u skladu s normom EN 54-3 prikazani su u posljednjem stupcu tablica zvukova. Razine zvučnog tlaka (SPL) mjere se pri 28 ili 15 V DC, uz maksimalnu jačinu zvuka i na najglasnijem čvoru. Sva druga mjerenja razine zvučnog tlaka izvode se na osi na 1 m i nisu ovjerena od treće strane.

Tablica tonova FNM-320-SRD/-SWH/-FRD/-FWH

								12/24VDC		EN54-3
								mA	dB(A)	15/28VDC
1	14	11111		800 & 970Hz	2Hz (250ms ~ 250ms)	  BS		6/13	95/101	*
2	14	11110		800 & 970Hz	7Hz (7/s)	  BS		8/12	94/100	*
3	14	11101		800 & 970Hz	1Hz (1/s)	  BS		6/12	95/102	92/95
4	14	11100		2850Hz				16/32	99/105	*
5	4	11011		2400 ~ 2850Hz	7Hz			16/32	103/109	*
6	4	11010		2400 ~ 2850Hz	1Hz			16/32	105/112	*
7	14	11001		500 ~ 1200Hz	3s 0.5s  3s 0.5s  ...	  NEN		6/12	97/103	93/97
8	14	11000		1200 ~ 500Hz	1Hz	  DIN		7/15	96/102	93/94
9	4	10111		2400 & 2850Hz	2Hz (250ms ~ 250ms)			15/31	99/105	*
10	14	10110		970Hz	0.5Hz (1s  1s 			5/8	95/101	*
11	4	10101		800 & 970Hz	1Hz (500ms ~ 500ms)	  BS		6/12	95/101	*
12	4	10100		2850Hz	0.5Hz (1s  1s 			9/17	99/105	*
13	14	10011		970Hz	0.8Hz (250ms  1s 			3/5	94/101	*
14	14	10010		970Hz		  BS		7/14	95/101	93/95
15	14	10001		554 & 440Hz	100ms ~ 400ms	  NFS		8/17	96/102	*
16	16	10000		660Hz	3.3Hz (150ms  150ms 	 		4/6	94/100	*
17	17	01111		660Hz	0.28Hz (1.8s  1.8s 	 		4/7	95/101	*
18	18	01110		660Hz	0.05Hz (6.5s  13s 	 		3/6	95/101	*
19	19	01101		660Hz		 		5/10	95/101	*
20	20	01100		554 & 440Hz	0.5Hz (1s  1s 	 		7/16	96/102	*
21	21	01011		660Hz	1Hz (500ms ~ 500ms)	 		4/6	94/101	*
22	14	01010		2850Hz	4Hz (150ms  100ms 			12/27	98/104	*
23	14	01001		800 ~ 970Hz	50Hz	  BS		6/12	93/100	*
24	4	01000		2400 ~ 2850Hz	50Hz			15/32	102/108	*
25	25	00111		970Hz	3 x 500ms 1.5s  3 x 500ms...	ISO 8201		4/7	95/101	*
26	26	00110		800 ~ 970Hz	3 x 500ms 1.5s  3 x 500ms...	ISO 8201		4/6	95/102	*
27	27	00101		970 & 800Hz	3 x 500ms 1.5s  3 x 500ms...	ISO 8201		3/6	94/101	*
28	10	00100		800 & 970Hz	2Hz (250ms ~ 250ms)	  BS		6/12	95/101	*
29	988Hz	00011		990 & 650Hz	2Hz (250ms ~ 250ms)	  BS		10/20	99/105	93/96
30	510Hz	00010		510 & 610Hz	2Hz (250ms ~ 250ms)	  BS		8/16	94/100	91/92
31	14	00001		300 ~ 1200Hz	1Hz			10/14	98/103	*
32	510Hz	00000		510 & 610Hz	1Hz (500ms ~ 500ms)	  BS		8/16	95/100	*

Tolerancija razine zvučnog tlaka je ± 3 dB(A).

Tablica tonova FNM-320LED-SRD

							@20 °C		
							mA	dB(A)	EN54-3 @28VDC dB(A)
1	14	11111		800 & 970Hz	2Hz (250ms ~ 250ms)	BS	19	100	*
2	14	11110		800 & 970Hz	7Hz (7/s)	BS	19	101	*
3	14	11101		800 & 970Hz	1Hz (1/s)	BS	19	101	95
4	14	11100		2850Hz			33	110	*
5	4	11011		2400 ~ 2850Hz	7Hz		31	110	*
6	4	11010		2400 ~ 2850Hz	1Hz		31	110	*
7	14	11001		500 ~ 1200Hz	3s 0.5s 3s 0.5s ...	NEN	21	98	97
8	14	11000		1200 ~ 500Hz	1Hz	DIN	17	98	94
9	4	10111		2400 & 2850Hz	2Hz (250ms ~ 250ms)		31	109	*
10	14	10110		970Hz	0.5Hz (1s 1s)		13	100	*
11	4	10101		800 & 970Hz	1Hz (500ms ~ 500ms)	BS	19	100	*
12	4	10100		2850Hz	0.5Hz (1s 1s)		25	109	*
13	14	10011		970Hz	0.8Hz (250ms 1s)		9	96	*
14	14	10010		970Hz		BS	21	101	95
15	14	10001		554 & 440Hz	100ms ~ 400ms	NFS	13	93	*
16	16	10000		660Hz	3.3Hz (150ms 150ms)		10	86	*
17	17	01111		660Hz	0.28Hz (1.8s 1.8s)		13	88	*
18	18	01110		660Hz	0.05Hz (6.5s 13s)		15	88	*
19	19	01101		660Hz			15	89	*
20	20	01100		554 & 440Hz	0.5Hz (1s 1s)		14	96	*
21	21	01011		660Hz	1Hz (500ms ~ 500ms)		11	87	*
22	14	01010		2850Hz	4Hz (150ms 100ms)		23	109	*
23	14	01001		800 ~ 970Hz	50Hz	BS	19	101	*
24	4	01000		2400 ~ 2850Hz	50Hz		26	110	*
25	25	00111		970Hz	3 x 500ms 1.5s 3 x 500ms...	ISO 8201	15	99	*
26	26	00110		2850Hz	3 x 500ms 1.5s 3 x 500ms...	ISO 8201	21	108	*
27	27	00101		4000Hz			36	83	*
28	10	00100		800 & 970Hz	2Hz (250ms ~ 250ms)	BS	18	100	*
29	33	00011		990 & 650Hz	2Hz (250ms ~ 250ms)	BS	22	99	96
30	35	00010		510 & 610Hz	2Hz (250ms ~ 250ms)	BS	16	96	92
31	31	00001		300 ~ 1200Hz	1Hz		22	96	*
32	32	00000		4000Hz			36	83	*

Uključeni dijelovi

Kol.	Komponente
1	Uređaj za zvučnu signalizaciju, crveni ili bijeli
1	Montaža na podnožju, nadžbukna ili podžbukna

Tehničke specifikacije

Električne

Radni napon	9 – 30 VDC
Maksimalna potrošnja struje	

- FNM-320-SRD/-SWH/-FRD/-FWH

33mA

- FNM-320LED-SRD

36mA

Nadzor

Suprotni polaritet

Mehanika

Dimenzije (Š x V)

- FNM-320-FRD/-FWH

Ø 93 x 63 mm

- FNM-320-SRD/-SWH

Ø 93 x 91 mm

- FNM-320LED-SRD

Ø 93 x 107 mm

Težina	
• FNM-320-SRD/-SWH/-FRD/-FWH	250g
• FNM-320LED-SRD	300g
Materijal kućišta	ABS V0, PC
Boja	crvena, RAL 3001 bijela, RAL 9010

Uvjeti u okolini

Dopuštena radna temperatura	
• FNM-320-SRD/-SWH/-FRD/-FWH	-25 – 70 °C
• FNM-320LED-SRD	-10 – 55 °C
Dopuštena relativna vlažnost	EN 54-3
Klasa zaštite prema EN 60529	
• FNM-320-FRD/-FWH	IP 54 *
• FNM-320-SRD/-SWH	IP 65 *
• FNM-320LED-SRD	IP 65 *

* Specifikacije proizvođača, nije ovjereno od treće strane

Posebne značajke

Maks. tlak zraka	
• Pri 12 V	105 ± 3 dB(A)
• Pri 24 V	112 ± 3 dB(A)
FNM-320LED-SRD	
• Svjetlosni izlaz	> 0,5 cd
• Brzina treperenja	1Hz

Informacije o naručivanju

Sirena FNM-320-SRD, crvena, nadžbukna montaža

s pretvornikom zvuka, prikladne za korištenje u okruženjima s nepovoljnim uvjetima
Broj narudžbe **FNM-320-SRD**

Sirena FNM-320-FRD, bijela, podžbukna montaža

s pretvornikom zvuka, prikladne za korištenje u okruženjima s nepovoljnim uvjetima
Broj narudžbe **FNM-320-FRD**

Sirena FNM-320-SWH, bijela, nadžbukna montaža

s pretvornikom zvuka, prikladne za korištenje u okruženjima s nepovoljnim uvjetima
Broj narudžbe **FNM-320-SWH**

Sirena FNM-320-FWH, bijela, podžbukna montaža

s pretvornikom zvuka, prikladne za korištenje u okruženjima s nepovoljnim uvjetima
Broj narudžbe **FNM-320-FWH**

Sirena FNM-320LED-SRD, crvena s LED indikatorom, nadžbukna montaža

s pretvornikom zvuka i integriranim LED indikatorom, prikladna za korištenje u okruženjima s nepovoljnim uvjetima

Broj narudžbe **FNM-320LED-SRD**

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