

# Standardni zvočniki FNM-320

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Tehnika za življenje



- ▶ Glasnost do 112 dB(A)
- ▶ Dovoljena je uporaba v spremenljivih okoljskih pogojih
- ▶ Za 12 V (enosmerni tok) in 24 V (enosmerni tok)
- ▶ Zaščita pred zamenjavo polov
- ▶ Na voljo za nadometno in podometno napeljavo

Zvočniki FNM-320 so zvočne signalne naprave s pretvornikom zvoka.

## Funkcije

Vgrajeni pretvornik zvoka omogoča izbiranje med 32 različnimi zvoki, vključno z različnimi zvoki zavijanja, različnimi signali za požarni alarm (npr. zvok DIN v skladu s standardom EN 457 / DIN 33404) in drugimi posebnimi modulacijami.

Zvoke je mogoče nastaviti s 5-pinskim stikalom DIP v signalni napravi. Z izbrano vrsto zvoka se pri aktivaciji drugega vhoda vklopi druga vrsta zvoka. Z dodatnim stikalom lahko prilagodite naslednji dve nastavitvi: največja izhodna moč ali oslavljenje 10 dB(A).

Odvisno od vrste zvoka, nastavljene glasnosti in delovne napetosti lahko zvočni tlak doseže največ 112 dB(A).

Na voljo je tudi nadzorovana povezava s protipožarnimi ploščami.

Bajonetni zaklep omogoča preprosto namestitev.

## Certifikati in potrdila




































































































Regija	Certifikat
Nemčija	VdS G 210036 FNM-320-Serie
	VdS G 210037 FNM-320LED-SRD
Evropa	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

## Opombe za namestitev in nastavitvev

- Napravo je mogoče priklopiti na naslednje plošče:
  - FPA-5000/FPA-1200 z NZM 0002 A ali FLM-420-NAC
  - BZ 500 LSN, UEZ 1000 LSN, UEZ 2000 LSN, UGM 2020
- Kabelska sponka z dvojno vijakno pritrditvijo je namenjena za speljavo napajanja v zanko.

- FNM-320LED-SRD ni certificiran za EN 54-23. Vrtljiva luč ni primerna za požarni alarm v EU.
- Zvoki, ki izpolnjujejo zahteve standarda EN 54-3, so prikazani v zadnjih stolpcih tabel zvokov. Raven zvočnega tlaka (SPL) je izmerjena pri 28 ali 15 V (enosmerni tok) pri najvišji glasnosti in na najbolj izpostavljenem mestu. Vse ostale meritve ravnino zvočnega tlaka so opravljene v osi na razdalji 1 m in niso potrjene.

Tabela zvokov 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	*

Odstopanje ravnino zvočnega tlaka je  $\pm 3$  dB(A).

Tabela zvokov FNM-320LED-SRD

((1))	((2))	□□□□								@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	*			

## Vključeni deli

## Količina Deli

1	Zvočna signalna naprava, rdeča ali bela
1	Podnožje, nadometna ali podometna namestitvev

## Tehnične specifikacije

## Električni deli

Delovna napetost	Od 9 do 30 V (enosmerni tok)
Največja poraba toka	

- FNM-320-SRD/-SWH/-FRD/-FWH 33 mA

- FNM-320LED-SRD 36 mA

Nadzor Zamenjava polov

## Mehanski deli

## Mere (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

Teža	
• FNM-320-SRD/-SWH/-FRD/-FWH	250 g
• FNM-320LED-SRD	300 g
Material ohišja	ABS V0, PC
Barva	Rdeča, RAL 3001 Bela, RAL 9010

### Okoljski pogoji

Dovoljena delovna temperatura	
• FNM-320-SRD/-SWH/-FRD/-FWH	-25–70 °C
• FNM-320LED-SRD	-10–55 °C
Dovoljena relativna vlaga	EN 54-3
Razred zaščite v skladu z EN 60529	
• FNM-320-FRD/-FWH	IP 54 *
• FNM-320-SRD/-SWH	IP 65 *
• FNM-320LED-SRD	IP 65 *

\* Specifikacije proizvajalca, brez potrdila tretje strani

### Posebne funkcije

Najv. zvočni tlak	
• Pri 12 V	105 ± 3 dB(A)
• Pri 24 V	112 ± 3 dB(A)
FNM-320LED-SRD	
• Svetilnost	> 0,5 cd
• Frekvenca utripanja	1 Hz

### Informacije o naročanju

#### Rdeč zvočnik FNM-320-SRD, nadometna namestitev

s pretvornikom zvoka, primernim za uporabo v spremenljivih okoljskih pogojih  
Številka naročila **FNM-320-SRD**

#### Rdeč zvočnik FNM-320-FRD, podometna namestitev

s pretvornikom zvoka, primernim za uporabo v spremenljivih okoljskih pogojih  
Številka naročila **FNM-320-FRD**

#### Bel zvočnik FNM-320-SWH, nadometna namestitev

s pretvornikom zvoka, primernim za uporabo v spremenljivih okoljskih pogojih  
Številka naročila **FNM-320-SWH**

#### Bel zvočnik FNM-320-FWH, podometna namestitev

s pretvornikom zvoka, primernim za uporabo v spremenljivih okoljskih pogojih  
Številka naročila **FNM-320-FWH**

#### Rdeč zvočnik z diodo LED FNM-320LED-SRD, nadometna namestitev

s pretvornikom zvoka in vgrajeno diodo LED, primernima za uporabo v spremenljivih okoljskih pogojih  
Številka naročila **FNM-320LED-SRD**

**Predstavniki:**

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