Flashing Sounders 105 dB (A) / 110 dB (A) / 13 Joules DSF 5 / DSF 10

The powerful flashing sounder

- extremely bright and loud due to 13 Joules, 105 dB (A) or 110 dB (A)
- high reliability and long service life
- 31 different sound signals can be set
- up to four externally selectable tones (optional)

Further detailed specifications for the Quadro flashing light on page 44.

DSF 5	DSF 10			
r = 32 m	r = 56 m	IP 66	IP 67	+ 55 °C / - 25 °C
Acoustic range	Acoustic range	Protection system	Protection system	Operating temperature

Electrical data	DSF 5			DSF 10		
Rated voltage	230 V AC	115 V AC	24 V DC	230 V AC	115 V AC	24 V DC
Rated frequency	50 Hz / 60 Hz	50 Hz / 60 Hz		50 Hz / 60 Hz	50 Hz / 60 Hz	
Operating range	195 V – 253 V	95 V – 127 V	19 V – 29 V	195 V – 253 V	95 V – 127 V	19 V – 29 V
Rated current consumption	0.19 A	0.40 A	0.98 A	0.22 A	0.46 A	1.12 A

Mechanical data		DSF 5	DSF 10
Sound pressure level		105 dB (A)	110 dB (A)
Flash energy		13 Joules	
Lens colour		clear, yellow, amber, red, green, blue	
Operating temperature		- 25 °C ... + 55 °C	
Storage temperature		- 40 °C ... + 70 °C	
Relative humidity		90%	
Protection system according to EN 60529		IP 66, IP 67	
Impact resistance of the flashing light		IK 08 (as per EN 50102)	
Duty cycle		100%	
Service life of the light source		light emission still 70% after 8,000,000 flashes	
Material	sounder	die-cast aluminium GD-Al Si12 Cu	
	flashing light	polycarbonate (PC)	
Surface coating	sounder	epoxy resin paint RAL 3000, flame red	
Cable bushing		2 x M20 x 1.5	
Clamping range of the cable screw fitting		8 – 12 mm	
Connecting terminal cross-section		max. 2.5 mm²	
Mounting		do not direct the opening of the sound horn upwards	
Weight		2.6 kg	

Ordering details

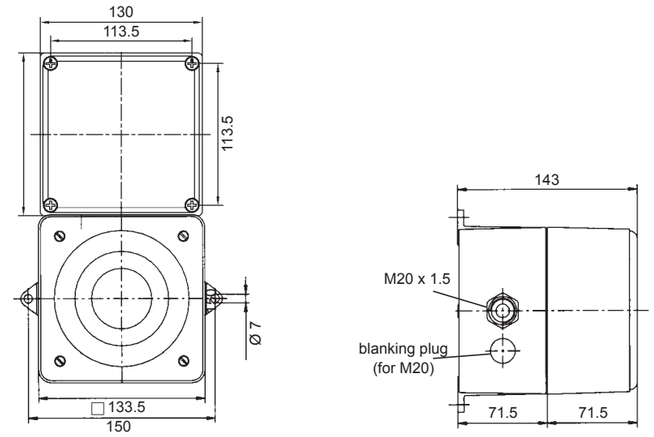
Article numbers		DSF 5			DSF 10		
Version	Rated voltage	230 V AC	115 V AC	24 V DC	230 V AC	115 V AC	24 V DC
Standard; red lens		231 07 10 5 000	231 07 15 5 000	231 07 80 5 000	231 12 10 5 000	231 12 15 5 000	231 12 80 5 000
TAS (external tone selection); red lens		231 07 10 5 152	231 07 15 5 152	231 07 80 5 152	231 12 10 5 152	231 12 15 5 152	231 12 80 5 152

Options / accessories

External tone selection (4 variants)

GOST

Dimensions



Alarm tone table

Tone	1	2	3	4	5	6	Description - Basic tone (preset: tone no. 1)	Stage 2	Stage 3	Stage 4
0							no tone	1	5	4
1					●		emergency signal DIN 33 404, part 3	3	2	4
2				●			emergency evacuation signal as per ISO 8201	1	4	3
3				●	●		alternating tone	1	2	4
4			●				continuous tone	1	3	5
5			●		●		interrupted tone	1	4	3
6			●	●			siren	1	4	9
7			●	●	●		fire alarm France – NFS21-001 –	3	10	4
8		●					emergency signal Sweden – SS 031711 –	2	3	4
9		●			●		horn	1	3	4
10		●		●			continuous tone	27	9	26
11		●		●	●		continuous tone - Bayer	1	17	9
12		●	●				continuous tone	27	9	26
13		●	●		●		continuous tone	1	5	3
14		●	●	●			continuous tone	1	4	10
15		●	●	●	●		interrupted tone	1	24	12
16	●						interrupted tone	1	24	15
17	●				●		interrupted tone - Bayer	1	11	9

Tone	1	2	3	4	5	6	Description - Basic tone (preset: tone no. 1)	Stage 2	Stage 3	Stage 4
18	●			●			interrupted tone	19	7	4
19	●			●	●		alternating tone	27	13	23
20	●		●				interrupted tone IMO SOLAS III/50 + SOLAS III/6.4	9	21	26
21	●		●		●		interrupted tone – leave ship –	20	9	26
22	●		●	●			sweep up sawtooth with gap	19	14	2
23	●		●	●	●		siren	27	12	2
24	●	●					alternating tone	1	16	12
25	●	●			●		alternating tone	1	14	5
26	●	●		●			alternating tone	4	9	27
27	●	●		●	●		siren	13	23	19
28	●	●	●				siren	7	10	4
29	●	●	●		●		siren – Hoechst –	1	30	9
30	●	●	●	●			interrupted tone	1	4	26
31	●	●	●	●	●		siren – NF C 48-265 –	3	14	4
32	○	○	○	○	○	●	selection of available tone combinations in stages 2, 3 and 4			

Conformity to standards

DIN EN 54-3: 2001 + DIN EN 54-3/A1: 2001	Fire alarm systems - part 3: fire alarm devices; Audible signaling devices and annex A1
EN 50 130-4: 1996	Stability of system components for fire and burglar alarm systems
EN 61 000-6-2	EMV, stability for industrial areas
EN 61 000-6-3	EMV, emission standard for residential commercial, and light-industrial environments
EN 60 947-1: 2003	Low voltage switchgear standard
EN 60 529: 2000	Protection system by enclosure (IP code)
DIN EN ISO 7731	Ergonomic – alarms for public areas and workplaces – acoustic alarms
DIN 33 404/3: 1982	Alarms for workplaces, unified emergency signal
ISO 8201: 1987	Evacuation alarm
DIN EN 981: 1997	System of acoustic and visual alarm signals and information signals
ISO 11 429: 1996	System of acoustic and visual alarm signals and information signals