

Motor Sirens F0, FI, FII, FIII

Corrosion-resistant alarm and signalling device for indoor and outdoor application



Overview

The sirens are used as alarm, warning or signalling devices. Thanks to their characteristic siren wail, they generate an unmistakable and penetrating alarm.

The high volume and its 360° directivity guarantee that a large range is attained.

The different siren sizes and models open up a broad range of applications, including signalling for critical situations. Used with the protection cover available as optional accessory, the sirens are suitable for outdoor applications.

The housings are made of aluminium die cast and coated in light grey with weatherproof varnish.

The protection cover for the sirens F0 and FI is made of weatherresistant plastic. The other models comprise a protection cover made of sheet steel coated with weatherproof varnish. When using a protection cover, the motor conforms to ingress protection IP 44, while the siren housing conforms with IP 22.

All sirens are designed for short-time operation S 2-15 minutes according to VDE 0530, Part 1.

The power supply connection of Sirens F0, FI and FII is realized with an M16 cable gland, types FIIa/FIIIb use an M20 cable gland.

Features

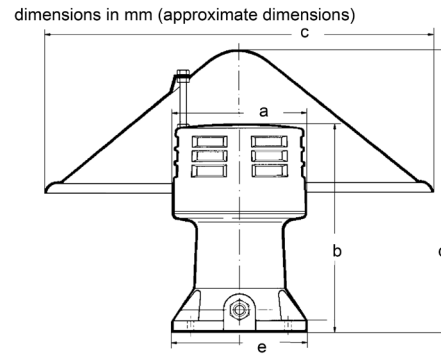
- Alarm and warning sirens
- Signalling for critical situations
- Very high volume
- With protection cover for outdoor use
- Different sizes with 110 up to 123 dB(A)

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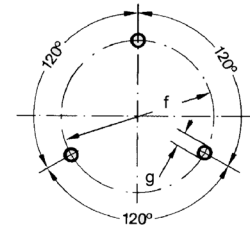
Specifications

Housing	Die-cast aluminium
Colour	Grey
Ingress protection	IP 22 according to IEC 60529 IP 44 with protection cover according to IEC 60529
Protection class	I
Cable glands	
F0/FI	M16
FII	M16
FIIa-FIIb	M20
Volume	Approx. 110-123 dB(A), 1 m (see table below)
Operating conditions	Indoors and outdoors
Operating position	Vertical
Operating mode	Short-term operation S 2/15 min.
Temperature range	0 °C to +65 °C (without protection cover) -40 °C to +65 °C (with protection cover)
Weight	See table below

General arrangement drawing (all dimensions in mm)



mounting



Type	Dimension a	Dimension b	Dimension c	Dimension d	Dimension e	Dimension f	Dimension g	dB(A) 1 m	Hearing distance		Frequency	Weight	
									with wind	against wind		Siren	Cover
F0	108 mm	168 mm	312 mm	235 mm	110 mm	90 mm	5 mm	112	ca. 0,3 km	ca. 0,15 km	800 Hz	1,6 kg	0,21 kg
FI	145 mm	190,5 mm	312 mm	260 mm	130 mm	110 mm	7 mm	110	ca. 0,4 km	ca. 0,2 km	600 Hz	2,9 kg	0,21 kg
FII	190 mm	249 mm	450 mm	315 mm	146 mm	124 mm	8 mm	110	ca. 0,7 km	ca. 0,25 km	500 Hz	4,1 kg	1,5 kg
FIIa	220 mm	328 mm	533 mm	410 mm	192 mm	165 mm	10 mm	120	ca. 1,0 km	ca. 0,4 km	400 Hz	9,0 kg	3,0 kg
FIIb	328 mm	418 mm	670 mm	554 mm	265 mm	236 mm	15 mm	123	ca. 2,8 km	ca. 1,0 km	520 Hz	22,0 kg	5,0 kg

dimension a = ≥ siren head; dimension b = height siren; dimension c = ≥ protection cover; dimension d = height siren + protection cover

Ordering data

Type	Designation	Nominal voltage	Max. start-up current	Max. nominal current	Art.-Nr.
F0	Motor Siren	230 V AC/DC	3.2 A	0.8 A	FHF 214 903 7010
F0	Motor Siren	110 V AC/DC	6.0 A	1.5 A	FHF 214 903 6010
FI	Motor Siren	24 V AC/DC	25.0 A	7.2 A	FHF 214 912 3010
F0/FI	Protection cover				FHF 214 903 8810
FII	Moto Siren	230 V AC/DC	7.4 A	2.1 A	FHF 214 923 7010
FII	Protection cover				FHF 214 923 8810
FIIa	Moto Siren	230 V AC/DC	7.4 A	2.1 A	FHF 214 933 7010
FIIa	Protection cover				FHF 214 934 8810
FIIb	Moto Siren	400 V AC	11.7 A/6.8 A	3.0 A/2.0 A	FHF 214 954 8010
FIIb	Protection cover				FHF 214 954 8810