

Malux



Sirens F0, F1, FII, FIII

**Corrosion-resistant
alarm and signalling device
for indoor and outdoor use**

- ▶ Alarm and warning sirens
- ▶ Signalling for critical situations
- ▶ Very loud
- ▶ With protection cover for outdoor use
- ▶ Different dimensions 110 up to 123 dB(A)

Application

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 of the wail and its allround directivity guarantee, that a suitably large range is attained. The different sizes and versions of the sirens open up a broad range of applications, including signalling for critical situations. Used with the protection cover available as optional extra, the sirens are suitable for outdoor use. Sirens for special voltages and frequencies are available on request.

Design

The housings are made of aluminium die cast and coated in light grey with weatherproof paint. The protection cover for the sirens F0 and F1 is made of weather-resistant plastic. The protection covers of the other versions are made of sheet steel and coated with weatherproof paint. When using a protection cover, the motor conforms to protection degree IP 44 and the siren housing to IP 22. The sirens are designed for short-time operation S 2 –15 minutes according to VDE 0530, Part 1. For the power supply connection the sirens F0 and F1 are equipped with a cable gland M16 and the types FII – FIIIb with a cable gland M20.

Fire alarms in rough environments

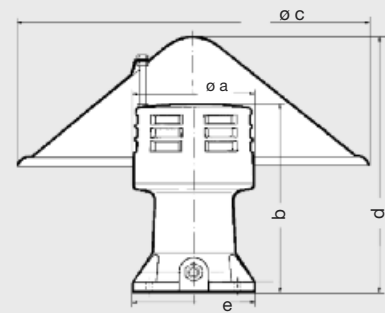
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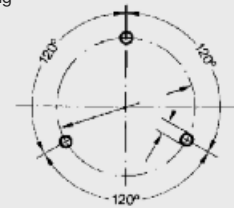
Technical specifications

Housing	Aluminium die cast
Colour	Grey
Protection degree	IP 22 IP 44 with protection cover
Cable gland	F 0 / F I: M16 F II: M16 F II a – F III b: M20
Operating conditions	Indoors and outdoors
Operating position	Vertical
Operating mode	Short-time operation S 2 / 15 min.
Volume	Approx. 110–123 dB(A), 1 m (see table below) (Regarding volume specifications, please see the chapter “Technical Informations”.)
Temperature range	0°C to +65°C (without protection cover) -40°C to +65°C (with protection cover)

Dimensions in mm (not binding)



Fastening



Type	Meas. a mm	Meas. b mm	Meas. c mm	Meas. d mm	Meas. e mm	Meas. f mm	Meas. g mm	dB(A) 1 m	Rng. of audibility		Acoust. freq. Hz	Weight	
									with wind appr. m	against wind appr. m		Siren kg	Cover kg
F0	108	168	312	235	110	90	5	112	0.3	0.15	800	1.6	0.21
FI	145	190.5	312	260	130	110	7	110	0.4	0.2	600	2.9	0.21
FII	190	249	450	315	146	124	8	110	0.7	0.25	500	4.1	1.5
FIIa	220	328	533	410	192	165	10	120	1.0	0.4	400	9.0	3.0
FIllb	328	418	670	554	265	236	15	123	2.8	1.0	520	22.0	5.0

Meas. a = ≥ Siren head; Meas. b = Siren height; Meas. c = ≥ Height of protection cover; Meas. d = Overall height; Meas. e = ≥ Height of protection cover; Meas. f = Overall height

Order information

F0	Siren	12 VAC/DC	42.0	10.5	214 902 2010
F0	Siren	60 VAC/DC	10.0	2.7	214902300110
F0	Siren	230 VAC/DC	2.4	0.6	214 903 7010
FI	Siren	24 VAC/DC	25.0	7.2	214 912 3010
FI / F0	Protection cover				214 903 8810
FII	Protection cover				214 923 8810
FIIa	Protection cover				214 934 8810
FIllb	Siren	230/400 VAC	11.7/6.8	2.6/1.5	214 954 8010
FIllb / FIIla	Protection cover				214 954 8810

Subject to change without notice · Printout 06/10