

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.

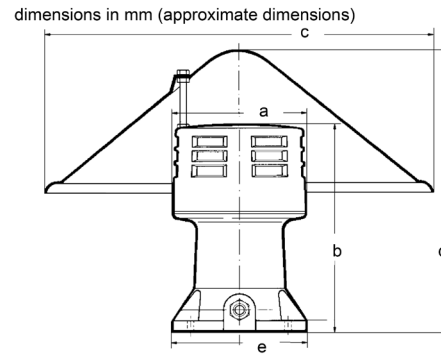
Features

- 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)

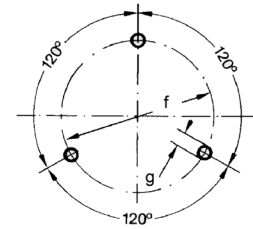
Specifications

| | |
|----------------------|---------------------------------------------------------------------------------------|
| 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 |