

## Portable Telephone F5069

### Ordering data

| Designation  | Type  | Item no.      |
|--|-------|---------------|
| Portable telephone without plug connector            | F5069 | 113 362 01 AX |
| Portable telephone with plug connector 5599          | F5069 | 113 362 02 AX |
| Portable telephone with latching plug connector 5555 | F5069 | 113 279 01 AX |
| Portable telephone with special tool 5077            | F5069 | 113 370 02 AX |



- **Simple configuration**
- **Quick installation**
- **Lightweight and mobile devices**
- **Independent from mains and batteries**
- **Permanent readiness for operation**
- **Favourable price-performance ratio**
- **Protection type: I M 1 EEx ia I**

### Description

In addition to transmitter and receiver capsules, the portable telephone type F5069 contains a wailing siren sound generator for high loudness. It is used to install a mobile telephone system in mine environments susceptible to firedamp.

Up to 10 portable telephones F5069 can be connected in parallel to such a telephone system.

The maximum length of the connecting line may be up to 10 km if the line capacity is smaller than 180 nF/km and the line resistance exceeds 11.9  $\Omega$ /km.

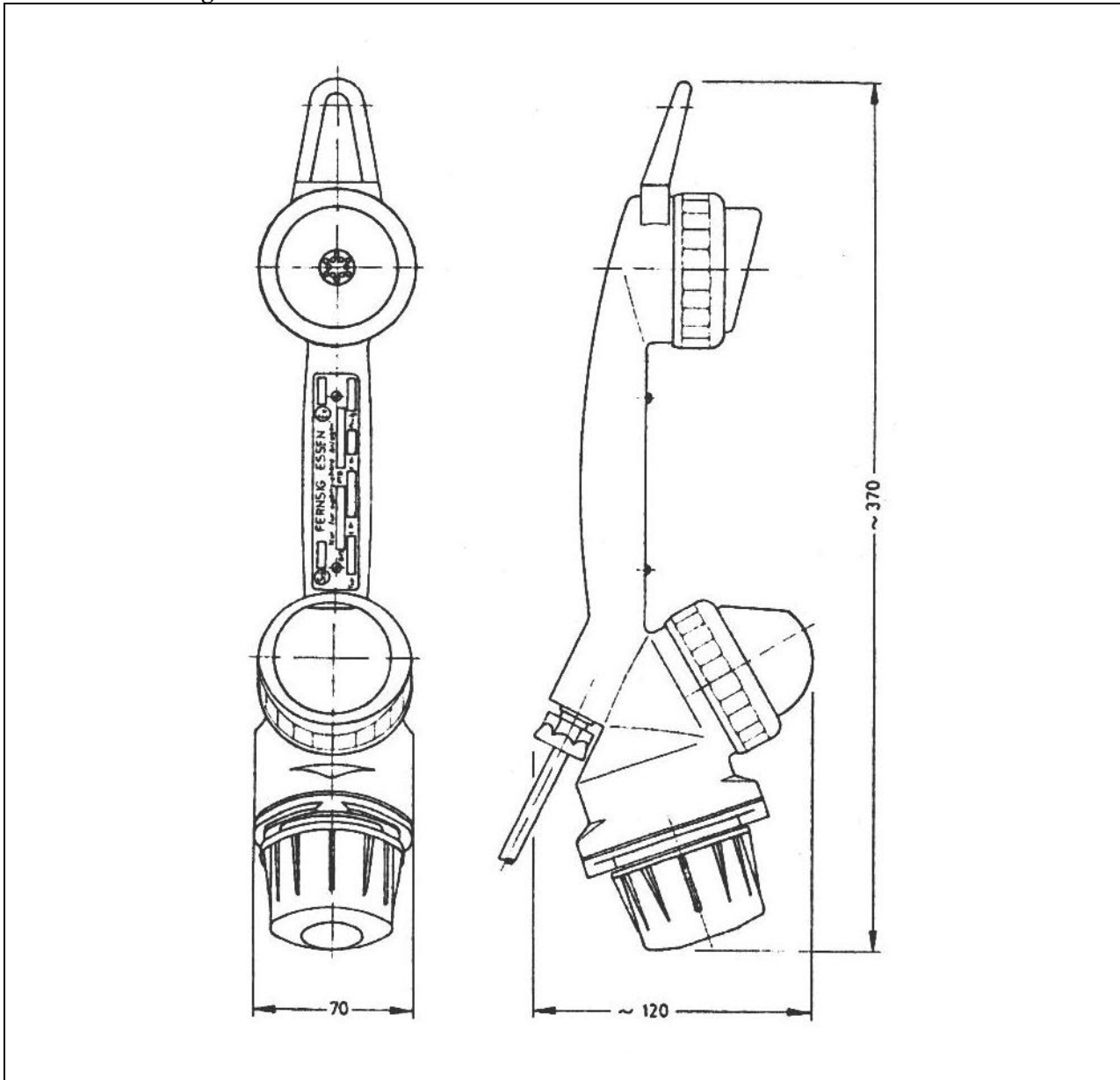
### Application

The portable telephone F5069 allows to install a mobile telephone system by means of simple gear. This system does not require a supply voltage. After connecting the portable telephone to the telephone line, the user's call is generated by turning the wailing

siren sound generator knob. The ringing tone generator is a device for generating an intrinsically safe voltage and can be used as a ringing unit in telephone systems with intrinsically safe call and talk circuits. The ringing signal thus generated is emitted by the membrane of the transmitter capsule and sounds from all portable telephones F5069 connected to the telephone line.

For the voice transmission, the dynamic principle is applied. The voice signals which the microphone capsule converts into electric signals are transmitted via the 2-wire telephone line and reconverted into acoustic signals by the receiver capsule. The application of the portable telephones must comply with the IP54 degree of protection.

**Dimension drawing**



FHF Bergbautechnik GmbH & Co. KG  
Eintrachtstr. 95  
D-42551 Velbert



Tel: (02051) 270 - 0  
Fax: (02051) 270-366  
Mail: [info@fhf-bt.de](mailto:info@fhf-bt.de)  
URL: [www.fhf-bt.de](http://www.fhf-bt.de)