



Ex-Telephone FernTel 3 / Zone 2

Analogue desk/wall telephone for use in areas with explosive atmospheres in Zone 2, 22

- ► Protection degree IP 65
- Stabiliser bracket (optional)
- ► Ambient temperature -20 °C to +55 °C
- ➤ Call tone ≥ 95 dB(A), 1 m
- Explosion protection class
 II 3G Ex nA ic IIC T5 Gc
 II 3D Ex tc ic IIIC T80 °C Dc

Application

The new telephone for use in areas with explosive atmospheres of zone 2 and 22. It's housing is made of impact-resistant and shockproof Polycarbonate and approved for Zone 2 and 22 according ATEX.

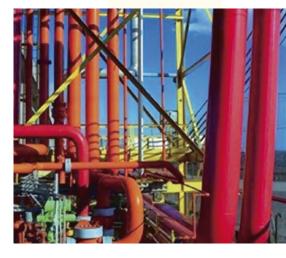
Within ranges of the chemical and petrochemical industry combustible atmospheres result again and again from process engineering operational sequence. Caused e.g. by gas, steam or nebula.

Its striking signal colour ensures the FernTel 3 / Zone 2 cannot be missed whenever a telephone is urgently needed in Zone 2 and 22.

The resistance of housing and use of screws of stainles steel are especially advantageous for use in areas with high air humidity and explosive atmospheres. A deft hand movement and the desk telephone is converted into a wall telephone.

Telephoning in Ex Zone 2, 22

The new FernTel 3 / Zone 2 is the ideal telephone for many different work areas in Zone 2 and 22.



Technical specifications

Connection data

Call frequency programmable: 16...68 Hz

Pulse-break ratio 1.5 : 1 programmable: 60/40 ms 2:1 66.7/33.3 ms

MFV According to CCITT Q23

Flash time Approx. 80 ms, 1 ms...999 ms programmable

24 to 66 VDC Line voltage

Housing

Height x width x depth Approx. 293 x 191 x 128 mm

Weight Approx. 2.3 kg

Operating position Desktop or vertical wall mounting

Handset

Transmitter capsule Electret microphone

Connections Wire up to 0.25 mm², wire to 2.5 mm²

Incoming

telephone line TCP/La, TCP/Lb

Secondary bell w1, w

Ambient conditions

-10°C to +55°C Display Operating temperature -20 °C to +55 °C

Transport and

-25 °C to +70 °C storage temperature

Protection degree IP 65

Conformity

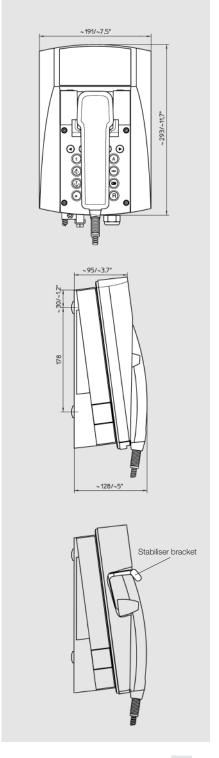
Net access, Acoustics TBR 21, TBR 38 **Electrical Safety** EN60950

Expl. protection class II 3G Ex nA ic IIC T5 Gc

II 3D Ex tc ic IIIC T80 °C Dc

Call tone \geq 95 dB(A), 1 m

- 1 cable gland handset 1 cable gland M 20 x 1.5
- 1 blind plug M20 x 1.5
- 2 blind plugs M12 x 1.5



* The full article number is made up
by appending the colour code for the
coloured housing to the article
numbers given below

yellow	
red	
grey	
black	

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Туре	Name	Version		Art. No.*	
FernTel 3 / Zone 2	Desk/Wall Telephone	without Display	spiral cord	FHF112 400 2 .	
FernTel 3 / Zone 2	Desk/Wall Telephone	with Display	spiral cord	FHF112 410 2 .	
FernTel 3 / Zone 2	Desk/Wall Telephone	without Display	armoured cord	FHF112 420 2 .	
FernTel 3 / Zone 2	Desk/Wall Telephone	with Display	armoured cord	FHF112 430 2 .	
FernTel 3 / Zone 2	Stabiliser bracket			FHF112 390 00	

Subject to change without notice \cdot Printout 06/15