



# ExII-Telephone ExResistTel MB

## Explosion-proof, weatherproof Industrial telephone

- ▶ 3 Memory Buttons (free programmable)
- ▶ Handsfree operation
- ▶ Temperature range  
-25 °C to +60 °C
- ▶ Certified for dust and gas atmospheres
- ▶ IP 66 EN 60529
- ▶ Stainless steel VA4 keypad
- ▶ GRP housing

## Application

Communication devices for use in hazardous areas in the industry have to be especially well adapted to the extreme operating conditions they will be exposed to.

Our Ex-telephone has been developed for operation in the petro-chemical industry, on off-shore plants, in mills and harbours, which means it is resistant to large temperature differences, air humidity, sea water, dust and strong mechanical wear and tear. It is certified for use in hazardous dust and gas atmospheres.

The ExResistTel MB has been equipped with a 21-piece stainless (V4A) steel keypad designed for use with gloves.

A string of optional extras and components – especially certified for hazardous areas – makes our telephone even more functional.

Our ExResistTel MB is the correct decision for a safe connection – convenient and reliable in hazardous areas.

Three memory buttons allow a quick selection of e.g. emergency call numbers. These keys are freely programmable by the user.

## Telephoning in the off-shore

The housing is made of impact-resistant and shockproof glass-fibre-reinforced polyester and is resistant to acids, sea water, alkalis, moisture and grease.



## Technical specifications

### Connections

Types of protection	II 2 G EEx em[ib] IIC T5 II 2 D IP66 T100 °C -25 °C ≤ T <sub>a</sub> ≤ 60 °C	II 2 G EEx em[ib] IIC T6 II 2 D IP66 T80 °C -25 °C ≤ T <sub>a</sub> ≤ 40 °C
Approval	DMT 02 ATEX E 183	
Line voltage	24 V <sub>DC</sub> to 66 V <sub>DC</sub>	
Line current	15 mA <sub>DC</sub> to 100 mA <sub>DC</sub>	
Ringing alternating current	24 V <sub>AC</sub> to 90 V <sub>AC</sub> (at 21...54 Hz ringing frequency) 30 V <sub>AC</sub> to 90 V <sub>AC</sub> (at 16,6...54 Hz ringing frequency)	
Ringing impedance	Greater than 6,0 KΩ at 25 Hz and 24...90 V <sub>AC</sub> . Greater than 4,0 KΩ at 50 Hz and 24...90 V <sub>AC</sub> .	
Inquiry key	Flash function adjustable 80 ms, 120 ms, 600 ms	
Dialling procedure	PD-DTMF operation to be set in the menu. PD operation where the pulse/pause ratio can be set to 1.5:1 or 2:1 in the menu.	
W-conductor	Connection for external secondary sounder.	
Screw terminals	Up to 4 mm <sup>2</sup> rigid. Up to 2.5 mm <sup>2</sup> flexible.	

### Housing

Material	Glass-fibre-reinforced polyester
Height x Width x Depth	Approx. 266 mm x 228 mm x 135 mm
Weight	Approx. 5.5 kg
Keypad	Metal keypad with ice protection. 21 keys with ABC lettering for name entries incl. 3 memory buttons (free programmable)

### Receiver

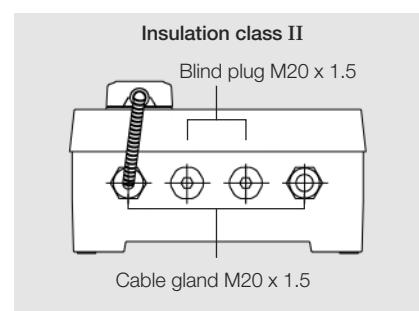
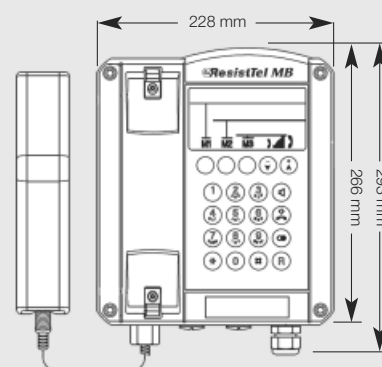
Stabilizer bracket	Integrated, adjustable stabilizer bracket.
Handset cord	Stainless steel (V4A) armoured handset cord.
Receiver inset	Dynamic receiver inset with leakage field spool for inductive coupling of hearing aids.
Mouthpiece	Electret-foil microphone
Noise suppression	Greater than 3dB due to integrated mouthpiece horn mouth.

### Environmental conditions

Degree of protection:	IP 66 according to EN60529
Impact protection:	IK 09 according to EN50102
Operation temperature:	-25 °C to +60 °C for temperature class T5 -25 °C to +40 °C for temperature class T6
Storage temperature:	-25 °C to +70 °C

### Further characteristics

Ringing sound pressure level	Approx. 90 dB(A) at 1m distance
Ringing melodies	10 melodies selectable
Listening by loudspeaker	Maximum sound pressure level approx. 68 dB (A) at 1m distance.
Handsfree operation	Maximum sound pressure level approx. 68 dB (A) at 1m distance.
Amplified listening in receiver	Receiver volume can be boosted in 7 steps from 0-12 dB(A).



## Accessories



ExII-Additional headset



ExII-Additional earpiece



ExII-Loudspeaker set



ExII-TWIN



Protection hood



ExII-Secondary sounder

## Order information

\* The full article number is made up by appending the colour code for the coloured cap to the article number given below.

transp.	11
red	12
amber	13
green	14
blue	15

Type	Name	Version	Article no.
ExResistTel MB	ExII-Telephone	black	112 861 21
Accessories	ExII-Additional earpiece		112 861 03
Accessories	ExII-Additional headset		112 861 04
Accessories	ExII-Loudspeaker set		112 861 05
Accessories	ExII-Secondary sounder		211 842 06
Accessories	Protection hood	hot galvanized, yellow	118 901 01
Accessories	Protection hood	stainless steel	118 901 11
Accessories	ExII-TWIN		118 833 ..*

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