



(13) **Attachment**

(14) **EC Prototype Test Certificate PTB 99 ATEX 2115**

(15) Device Description

The telephone secondary and signal alarm, TWIN-EEExII type 5842/1, is specially constructed for use in industrial explosion-hazard areas. It permits operation in buildings and outdoors. A slide-switch on the device permits switching between TWIN-EEExII operational modes as telephone secondary alarm and signal alarm.

Electrical Data

Connecting terminals (N and L1 lines)	Power supply	230 V / 50 Hz +10% / -15%
	required series fuse	500 mA
or		
	Power supply	120 V / 50 Hz +10% / -10%
	required series fuse	800 mA
Telephone connection (terminals W and Lb)	AC ring voltage	E ≤ 165 V
	DC power supply	E ≤ 60 V

Terminals W and Lb may only be connected to a telephone operating on a direct line, PBX line or directly connected to the telephone line itself. Short circuit protection is to be affected in those named systems. Short circuit current must be designed for a limit equal to the maximum operating current (three times nominal current).

Category "ib" intrinsic self-protected circuits on the main circuit board	loudspeaker connector signal connector slide switch S1
internal circuits without intrinsic self- protection	electrical-shock board

(16) Test report PTB Ex 99-29119

(17) Special Conditions  
not applicable

(18) Fundamental Safety and Health Requirements  
covered by the aforementioned standards

Explosion Protection Certification Office  
on behalf of  
<signature>  
Dr.-Ing. U. Johannsmeyer  
Government Director

Braunschweig, 16 July 1999

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