



EEx Acoustic Telephone Call Signalling Devices

High-volume telephone call signalling devices for indoor and outdoor use in areas with explosive atmospheres

- ▶ IP 66
- ▶ High-volume multitone bell
- ▶ EEx em [ib] IIC T6

Application

The explosion-protected telephone call signalling devices are designed for indoor and outdoor use in industrial applications with explosive atmospheres, e.g. the petrochemical industry.

The tested high quality of the materials we use allows these devices to be used in extreme conditions in EEx II-classified

applications. The user can select between a single-tone, two-tone, three-tone or warble tone ring with the help of internal DIP switches.

Four different tone sequence frequencies can also be selected in a range between 5 and 20 Hz.

Telephone call signalling device in a painting shop with explosive atmosphere

The user can select between various types of signal tone with the help of internal DIP switches.



Technical specifications

Housing	Aluminium die cast
Colour	Black
Cover	UV-resistant Macrolon (polycarbonate)
Protection degree	IP 66 (IEC 529)
Operating position	Wall or ceiling mounting
Temperature range	
Operation	-20 to +40° C
Storage	-40 to +75° C
Weight	0.5 kg

Signalling device The signalling device is actuated with a mains voltage of 110 to 230 VAC

Mains connection	Terminals	L1, N, PE
	Supply voltage	110–230 V +10%/-15%

Acoustic signalling

Acoustic signalling device	Loudspeaker
Acoustic signal	Single-tone*, two-tone*, three-tone*, warble tone*
Tone sequence frequency	4 different settings* between 5 Hz and 20 Hz

Volume Approx. 90 dB(A), 1 m
(Regarding volume specifications, please see the chapter “Technical Informations”.)

Expl. protection class EEx em [ib] IIC T6

Conformity certification BVS 95.D.2099

Secondary telephone bell The high volume secondary telephone bell is independent from the 230 V mains because it is supplied solely with power by the call voltage of the telephone. Sixteen different acoustic patterns can be set with the help of a four-pole internal DIP switch.

Telephone connection

Terminals	W, L _o
Call voltage	32 VAC to 75 VAC
Branch exchange voltage	0 VDC to 63 VDC
Input impedance	At 25 Hz $Z \geq 8 \text{ k}\Omega$ At 50 Hz $Z \geq 4 \text{ k}\Omega$

Acoustic signalling

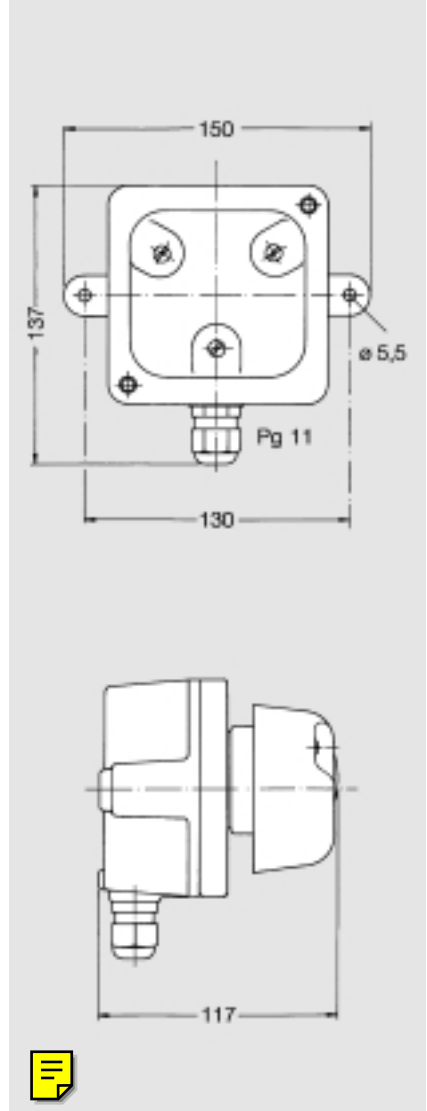
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Approval Deutsche Telekom AG BZT A 119171F

Expl. protection class EEx em [ib] IIC T6

Conformity certification BVS 95.D.2099



* Selectable with DIP switches

Order information

Type	Name	Rated voltage	Article no.
5842/2	EEx Secondary Telephone Bell	Supplied from telephone	211 842 06
5842/3	EEx Signalling Device	110 V to 230 VAC	211 846 08

