



Electronic Warning Bell

Kiepe EWB

Description

The acoustic warning signals of rail-bound vehicles are reproduced electronically by the Kiepe EWB Electronic Warning Bell. Advantages of the electronic warning bell are its requiring no maintenance, its insensitivity to environmental influences and the possibility to react to dangerous or routine situations with two different volumes. A good acoustic emission can be reached with proper arrangement of the loudspeaker on the roof of the vehicle. An additional advantage is being able to produce different signal tones with only one device

(e.g. bell or whistle). To control the different signals and the volume reduction, the Kiepe EWB is equipped with the necessary control inputs as well as a connection for the supply voltage in stand-by mode. The warning signal triggered first has priority. The signal tones are filed on a memory chip. Tone recordings of good quality are necessary in advance. In order to reach a good level of reproduction, the frequency response of the loudspeakers³⁾ used should be approx. 250Hz ÷ 12 kHz.

Additionally to its function as an acoustic signal generator, the Kiepe EWB is also equipped with an analogue input for the playing of other audio signals. Thus announcements can also be made to the passengers or passers-by outside of the vehicle via the external loudspeakers³⁾. An optional running voice-announcement will be interrupted by a warning signal.

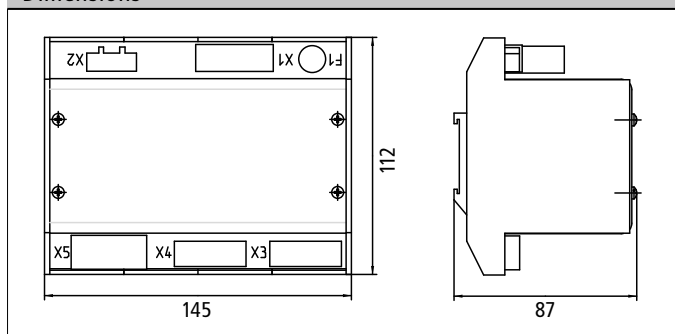
³⁾ Not included in delivery

Technical Data

Type	Kiepe EWB
Rated voltage	DC 24 V ... 36 V + 25/- 30 %
- Operational range	16,8 V ... 45 V
Current consumption	
- Stand-by operation / Signal delivery	≤ 100 mA / ≤ 2,5 A
Output max.	2 x 15 W
- Impedance	> 8 Ohm
Volumes ^{1) 2)}	
- 1 Loudspeaker ³⁾ (loud/soft) approx.	98 dBA / 70 dBA
- 2 Loudspeakers ³⁾ (loud/soft) approx.	101 dBA / 70 dBA
Warning signals ¹⁾	
- Signal 1 (loud and soft)	optional
- Signal 2 (loud and soft)	optional
- Signal 3 (loud)	optional
- Duty cycle (Pulse duty factor 1:1)	≤ 15 min. / 15 min.
Ambient temperature	-25 ... +70° C
Protection type	IP 20/EN 60529
Connection	multiple plug
Fixing	mounting rail TH35 / EN60715
Mounting position	optionally
Weight approx.	0.5 kg
Testing according to	EN50121, EN50124, EN50155
CE sign	certified

¹⁾ To be specified when ordering ²⁾ Measured at a distance of 7 m ³⁾ Not included in delivery

Dimensions



For your project we recommend the standard model which is advantageous both in price and delivery time.

Standard device	Kiepe EWB 100
Part no.	92.059 921.001
Warning signals ¹⁾	
- Signal 1 (loud/soft)	single-stroke bell (bronze) 2 Hz
- Signal 2 (loud/soft)	motor warning bell MWG1 20 Hz
- Signal 3 (loud)	motor warning bell MWG1 40 Hz

¹⁾ Set volumes given as above

Vossloh Kiepe GmbH
 Kiepe-Platz 1 • D-40599 Düsseldorf, Germany
 Phone: +49(0)211/7497-0
 Fax: +49(0)211/7497-300
 info@vkd.vossloh.com
 www.vossloh-kiepe.com

Subject to change without notice.