

BVW 3230A Voltage indicator 45...4200VAC/DC B+Z Art. Nr. 25 Ident Nr. 3EHE428210 P1



According to standard EN 50155

Electronic devices in rolling stock

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Application / function

Application

This voltage indicator is used to indicate dangerous tensions, in particular in the traction circuit or other high voltage system circuits as well as at the train busbar.

Function

The self powered light emitting diode flashes proportionally to the applied tension. The device needs no separate power voltage – it is driven by the High voltage connection.

Flashing rates (average values)

DC Voltage	LED flashes per second(Hz)			
4000V	9,15			
3000V	7,3			
2000V	5,2			
1000V	2,8			
500V	1,45			
250V	0,72			
100V	0,27			
average time between two pulses				
90V	4 s			
50V	ca. 8,5 s			
20V	ca. 30 s			

Technical data

Type designation:

BVW 3230A P0001

Standards

The product is manufactured in accordance with the following standards:

ISO 9001:2015 Electronic equipment used on rolling stock: EN50155 Electromagnetic compatibility: EN50121-3-2 Isolation: EN50124-1 Shock and vibration: EN50155/EN61373 Fire protection according to EN 45545

The standards applicable to this product are dependent on the version available at the time of development.

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Operating Voltage

Input voltage: 45 . . . 4200V AC/DC

Electrical Protective Measure

Mechanical data

Dimensions

Dimension : Weight with cables : Weight without cables: 80 x 80 x 70mm ca. 900g 580g

Material

Housing : Casting resin : Plastic Epoxy resin

Mounting

Fixing :

M4 screws

Connectors

2 high voltage cables single-wired, each 3m long

Mounting

In any position

Other conditions

High voltage test

Dielectric strength 10kV DC 10 seconds inputs to the housing

Climatic conditions

Environment temperature: -40°C bis +70°C Class T3 Humidity : max 90% rF, at30°C, non condensing.

Labels

Warning label (high voltage danger) Disposal according to local laws and regulations



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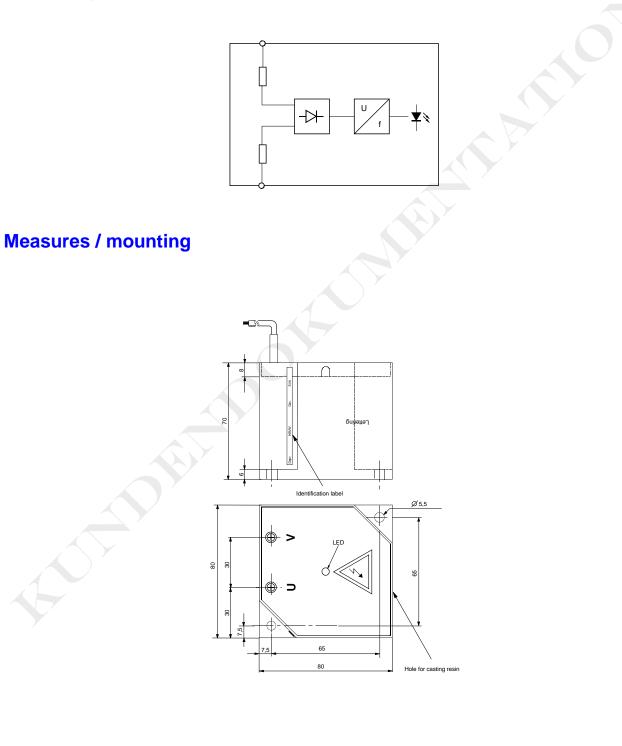
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Disposal

According to local regulations

Block diagram





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