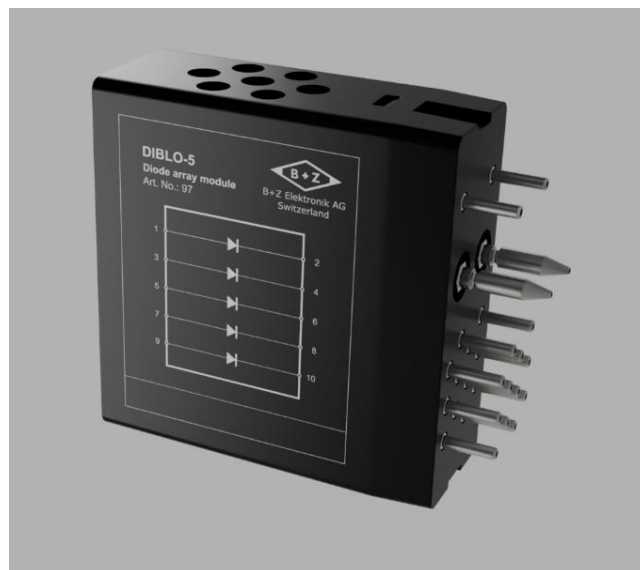




# DIBLO-5

## Diode array module

B+Z Art. Nr. 97



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## Application / function

### Application

Diode array, consisting of 5 robust diodes with separated connectors.  
This device is the original OEM product of the DIBLO5.  
We also manufacture a similar 5-diode module product for T-rail mounting named BZ946.

### Function

For typical applications within electric circuits on rolling stock.

## Technical data

Type designation: **DIBLO-5**

### • 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.

### • Diode specification

Number of diodes: 5  
Diode type.: 1600V  
Max permanent current: 1.5A per diode  
Vf typical ca: 1.2 V

Current pulse max:

$I_{FSM}$	$T_{VJ} = 45^{\circ}\text{C};$	$t = 10 \text{ ms}$ (50 Hz), sine	250	A
		$t = 8.3 \text{ ms}$ (60 Hz), sine	265	
	$T_{VJ} = 150^{\circ}\text{C};$	$t = 10 \text{ ms}$ (50 Hz), sine	200	A
		$t = 8.3 \text{ ms}$ (60 Hz), sine	220	

Umax: 300V

### • Mechanical protection

Type: IP30



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DIBLO-5  
Diode array module  
Ident.-Nr.: HBTB 585480 R1

## Mechanical data

- **Measures**

W x D x H: 27 x 72 x 75 mm (without mating socket)  
Maximal length : with mating socket ca. 80 mm  
Weight : ca. 125 g (without mating connector plug)

- **Materials**

PDB: Epoxy  
Housing: Plastic, enforced with glass fibre and holes for air circulation

- **Installation / mounting**

Mounting : on optional MR14 mating socket

## Other conditions

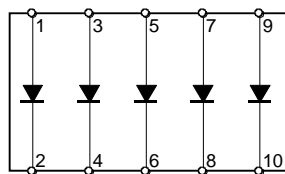
- **Climatic conditions**

Environment temperature: -20°C bis +70°C  
Humidity : max 90% rF, at 30°C, non condensing.

- **Disposal**

According to local regulations

## Connection / Wiring diagram

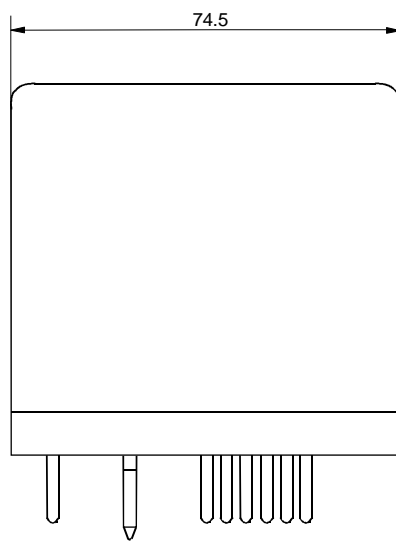
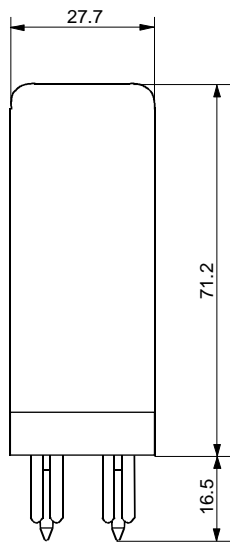


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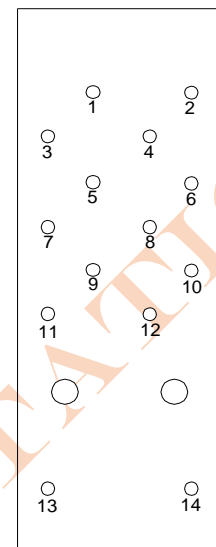
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## Measures / mounting



Bottom view



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