



DIBLO-5

Diode array module

B+Z Art. Nr. 97



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Application / function

Application

Diode array, consisting of 5 diodes with separated connectors. The device is the original product of the DIBLO5.

Function

For 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**

B x T x H: 22.5 x 72 x 85 mm
Maximal length : with connector plug ca. 125 mm
Weight : ca. 110 g (without mating connector plug)

- **Materials**

PDB: Epoxy
Housing: Plastic, enforced with glass fibre
Front cover: Plastic

- **Installation / mounting**

Mounting : on MR14 countersocket

Other conditions

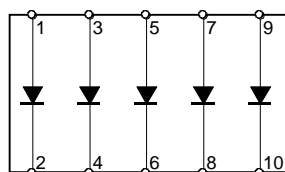
- **Climatic conditions**

Environment temperature: -20°C bis +60°C
Humidity : max 90% rF, at30°C, non condensing.

- **Disposal**

According to local regulations

Connection / Wiring diagram



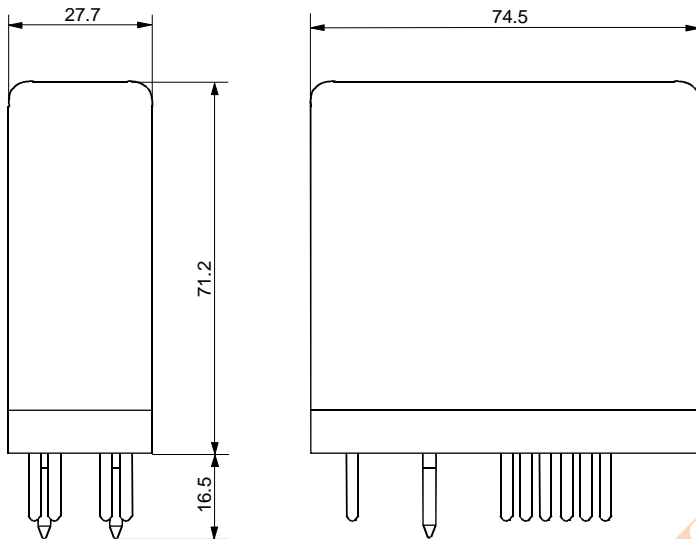
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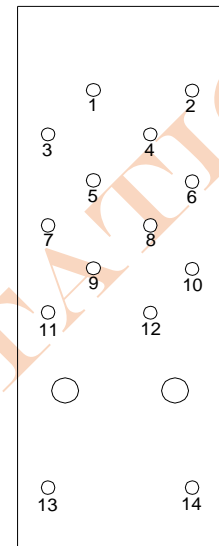
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Measures / mounting



Bottom view



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