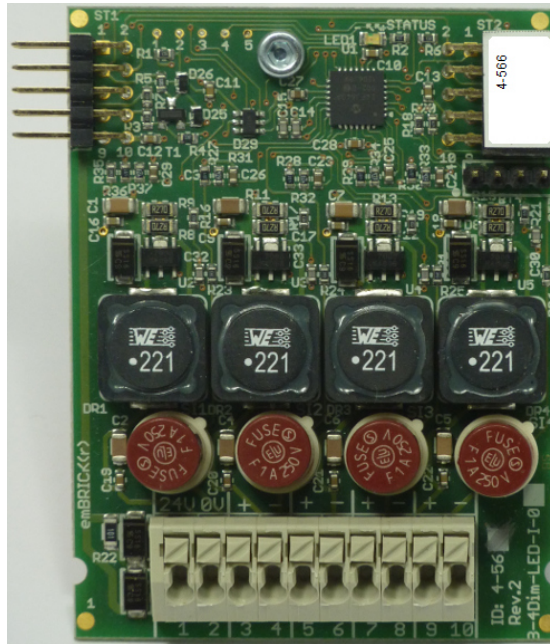


# CAE\_B-4DimLedi-02



## 1.1 Description

ID: 4-566

Order No.: CAE\_B-4DimLedi-02

Terminal: push-in ( $\leq 0.5\text{mm}^2$ )

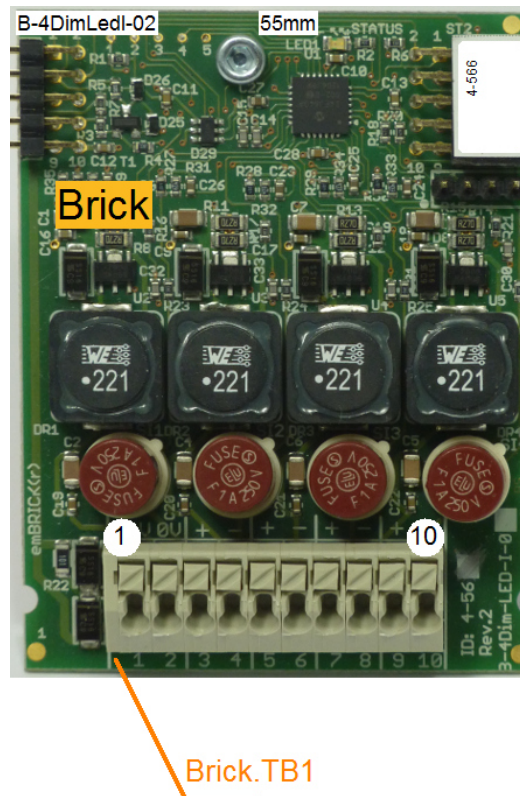
Size: 5 eU (55mm x 72mm)

BBFCP: 1-1-1

Weight: 40g

This module contains four independent PWM-LED outputs with a common supply of 12...40V and a PWM-frequency of approx. 670 Hz. The PWM resolution is 24.000 steps. Each of these channels can control a permanent resistive load of max. 1A and contains a quick acting 1A melting fuse for output protection.

## 1.2 Connectors and Indication-/Operation-Elements



### 1.2.1 Terminal block (TB)

The following Illustration the technical details for Terminal blocks are listed. The location of a specific block is documented with the ID (left column) in the previous Illustrations.

ID	Model	Model / Series	Grid	Num. of term.	connection	elec. usage
Brick.TB01	Cage Terminal	WAGO250	2.5mm	10	up to 0.5mm <sup>2</sup> or 0,8mm	signal level

### 1.2.2 Terminal assignment

Here the assignment of individual terminals and there affiliation to terminal blocks (Te block), terminal numbers (Te no.) and short description (T.desc.) aswell as there electrical function and usage are explained.

The associated mechanical and electrical properties are stated with the specific terminal block in the previous chapter. The position of a terminal is dedicated through the "Te block" and the actual terminal number (Te no.) or the terminal description (T.descr.) in the previous Illustration respectively. In the column "usage" the technical-/ device-functional use is listed.

Te block	Te no.	T. descr.	Function	Usage
Dim1.TB?	1	+		Dim1

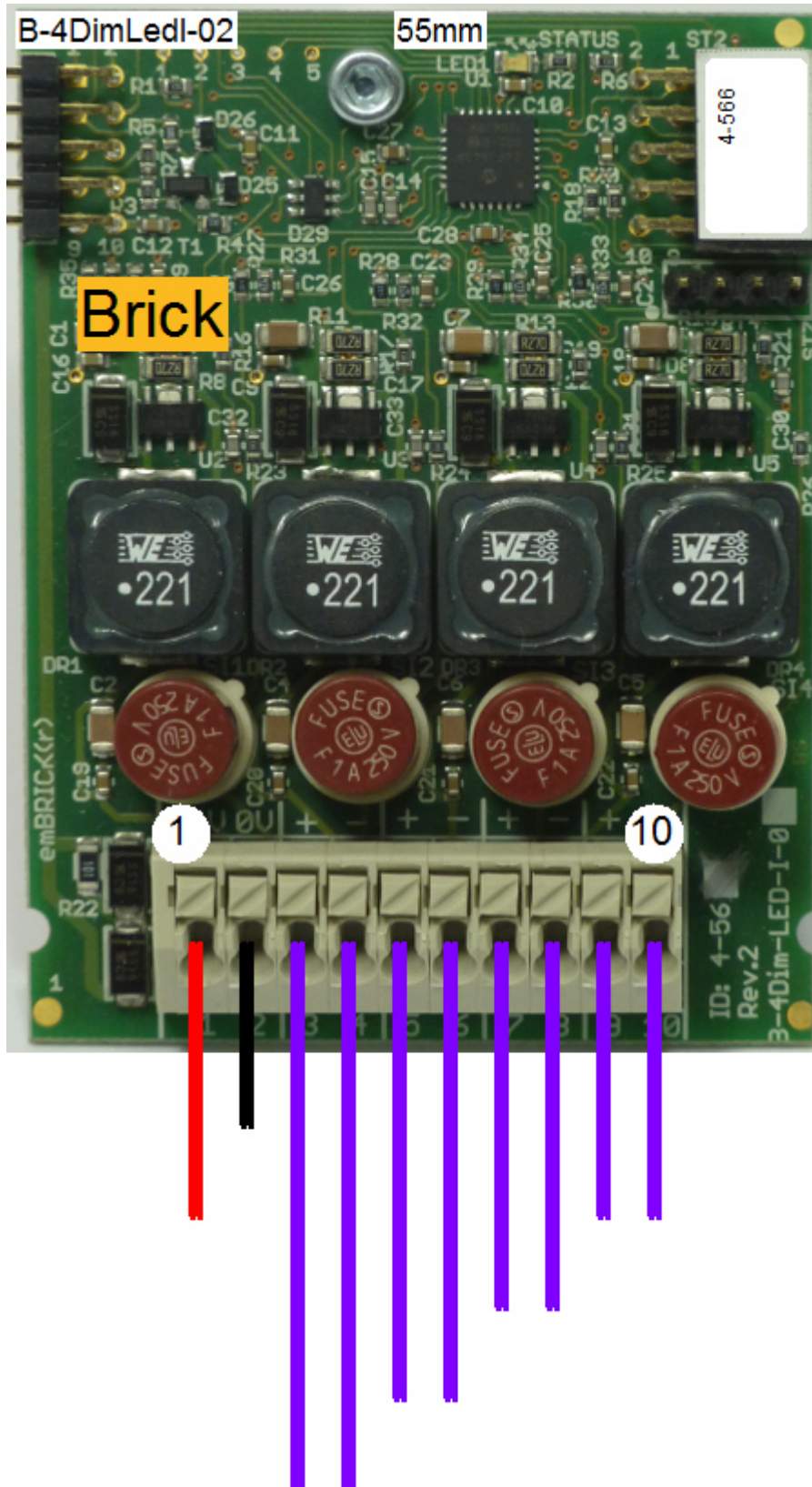
Dim1.TB?	2	-		Dim1
Dim2.TB?	1	+		Dim2
Dim2.TB?	2	-		Dim2
Dim3.TB?	1	+		Dim3
Dim3.TB?	2	-		Dim3
Dim4.TB?	1	+		Dim4
Dim4.TB?	2	-		Dim4

### 1.2.3 LED Indications

ID	Type	Specification	Type / Usage
Brick.StateLED	SMD-LED	yellow	communicationstate Brick

### 1.3 Input-/Output Scheme

The following diagram shows the adaption of the control unit. To avoid overlapping, some wires are displayed interrupted and dashed.



## 1.4 Technical Data

### 1.4.1 Analog Outputs

The control unit has the following analog outputs:

Identifier	Dimmer LED
Type	current regulated
Range	0 ... 350mA
max. Voltage	24V DC
max. Current	350mA
Filter	
Component	
Remark	

Identifier	Dimmer LED
Type	current regulated
Range	0 ... 350mA
max. Voltage	24V DC
max. Current	350mA
Filter	
Component	
Remark	

Identifier	Dimmer LED
Type	current regulated
Range	0 ... 350mA
max. Voltage	24V DC
max. Current	350mA
Filter	
Component	
Remark	

Identifier	Dimmer LED
Type	current regulated
Range	0 ... 700mA
max. Voltage	24V DC
max. Current	700mA
Filter	
Component	
Remark	

### 1.4.2 Fuses

The controller owns the following internal fuses for providing safety for the device and partially for the connected sensors/ actors:

ID	Type	Nom. Current	Characteristic	Usage
Fuse	400mAF	0,4A	fast	
Fuse	400mAF	0,4A	fast	
Fuse	400mAF	0,4A	fast	
Fuse	800mAF	0,8A	fast	

### 1.4.3 User Notes

- Blinking behavior StateLED:

Each Morse code is 3 seconds long!

not initialized = flashing continuously at approx. 5Hz

no communication = short-long-short

too little communication = short-short-short

disturbed communication = short-long-long

OK = continuous flashing at approx. 1Hz (0.6-1.5Hz)

## 1.5 History

On the following page you will find a list of changes that have been made to the product.

### 1.5.1 History

Date	Entry scope (HW, SWappl, SWapi, Release)	Entry type (Enhancement, Improvement, Bugfix, Release)	Version	Status (development, implemented, tested)	Responsible	Reason for the modification	Items of the modification	Impact for (end-)customer	Comment	location in model/source
xxxx-xx-xx		Release	0.99	tested	NSt					

For questions please contact:

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