

BVW 3313A

Reference value generator

0.7VDC to 10.0VDC

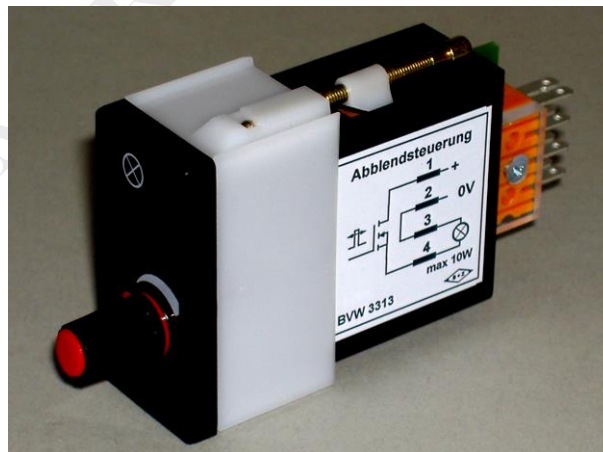
(For UBatt 36V)

B+Z Art. Nr. 601

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1. Description

1.1. Item

As an addon product to the BVW3313 dimming controller, the BVW3313A unit contains only the setpoint adjuster for a more powerful dimmer control, such as the BVW3310xx series.

The device BVW 3313A has the same housing as the BVW3313 and fits in the same front panel cutout as the low beam control BVW 3313 36V.

1.2. Function

In simple terms, the device has the function of an "ideal" potentiometer:

Stable output voltage, adjustable from 0.7VDC ... 10VDC, independent of the operating voltage

2. Technical data

• 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.

2.1. Mechanical data

• Dimensions

Measures (HxW) : 24 x 48mm

Built-in depth: 76 mm

Front panel cutout: 21 x 42mm

Weight : approx. 50g

• Connectors

Faston connector (3 pcs / 6,3 x 0.8 mm)

• Wiring

PIN 1 + 36 V operating voltage

PIN 2 0V

PIN 3 Signal output 0.7 ... 10VDC

• Materials

Housing : Plastic



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• Mounting

The device is inserted from the front through the front panel cutout and screwed back with a mounting bracket from the backside..

2.2. Electrical data

2.2.1 Input

Voltage : 36 VDC + 25% / - 30%
Idle current : ca. 6 mA

2.2.2. Output

Voltage: + 0.7V ... + 10VDC
Current: ≤ 10mA, short-circuit-proof means at 10V the output current is limited to 11 ... 13mA,
at 1V the output current is limited to 7 ... 8mA.

2.2.3. Electrical protective measures

Reverse polarity protection diode
Transient protection diodes at the input and at the output

2.3. Other conditions

2.3.1. Climatic conditions

Environment temperature: -25°C to +60°C
Humidity : max. 96% rF, at 30°C, non condensing

2.3.2. Marking / labeling

Symbol type printed inside the front panel:

Lamp symbol (standard) B + Z Art. no. 601

Connection / wiring diagram labeled on the side of the housing

2.3.2. Disposal / Recycling

According to local regulations



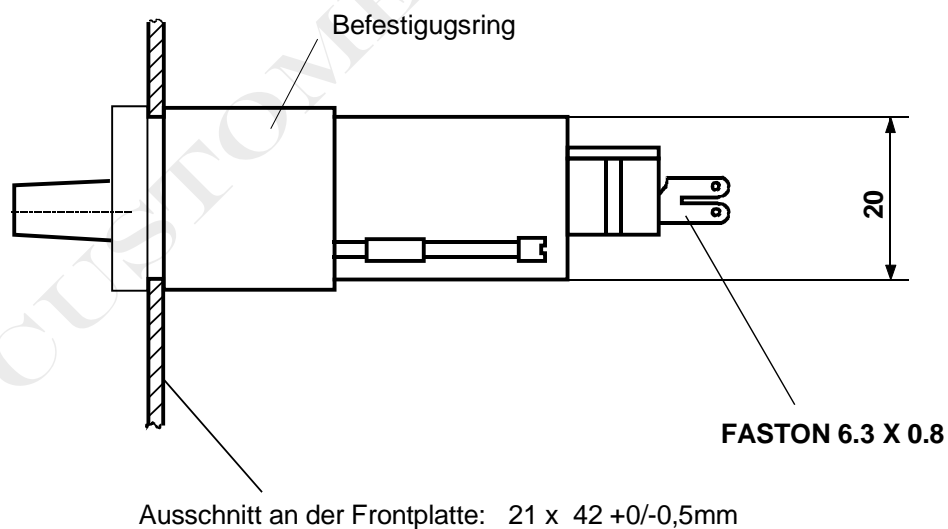
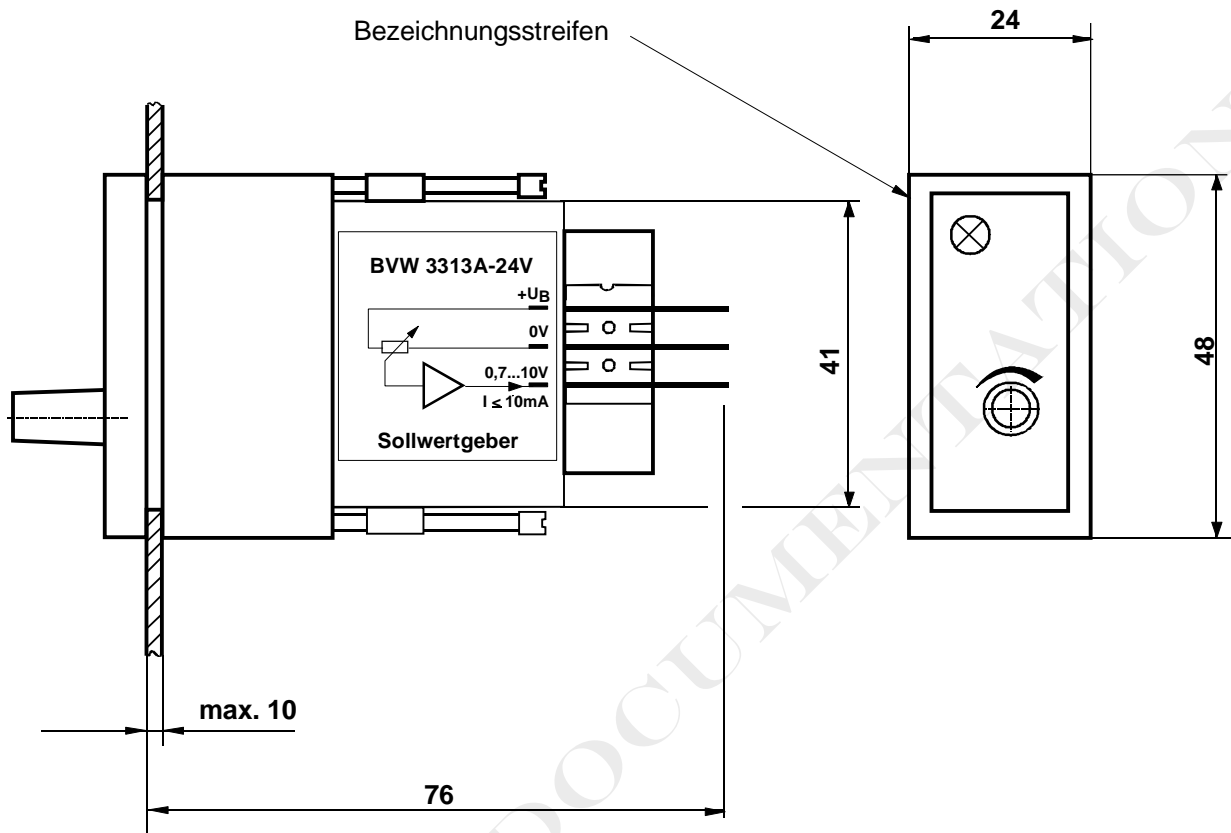
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4. Measures / mounting



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