

Binary input 230V AC REG

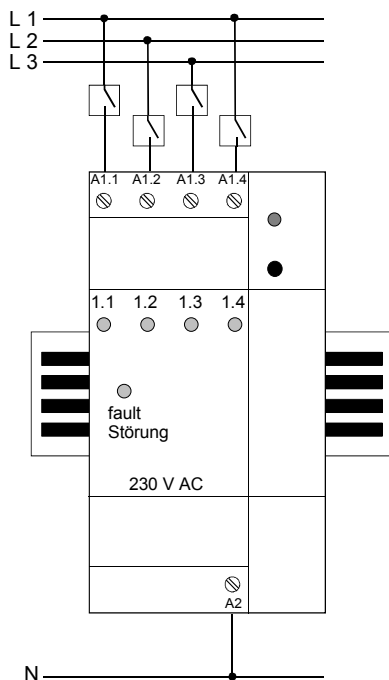
Order-No.: 0562 00

Binary input 24V AC/DC REG

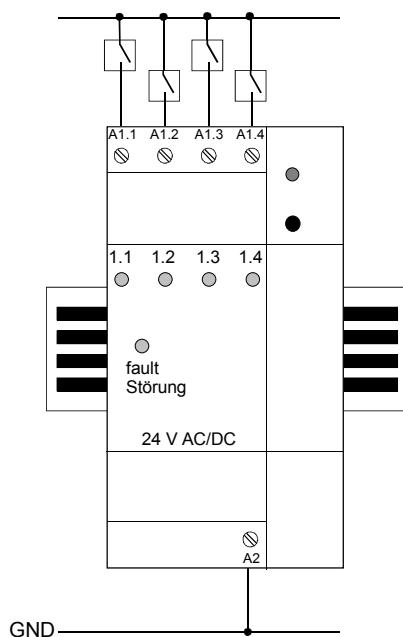
Order-No.: 0631 00

Function

① 230 V AC



② 24V AC / DC



This devices are products of the *instabus* EIB-system and comply with EIBA directives. Detailed technical knowledge obtained in *instabus* training courses is a prerequisite for proper under-standing. Functionality of the devices is de-pending on the software. Detailed information on loadable software and attainable functionality may be taken from the manufacturer's product database.

By their signal inputs, the 230 V and 24 V binary inputs recognise the application and the change of the signal voltage potential and, depending upon their parameterisation, transmit commands to the instabus-EIB.

The units have four independent inputs, the input signals of which are processed separately. All inputs can be provided with signal voltage at the same time (percentage duty cycle = 100 %). The common reference potential for the 4 inputs should always be connected through terminal A2. A yellow LED for each channel indicates the input state. A red LED at the enclosure front signals faults.

230 V Binary Input

Connection should be made in accordance with Fig. ①. For the same reference potential at terminal A2 (neutral), different external lines can be connected to signal inputs A1.1 - A1.4.

Non-observance may lead to damage of the unit. During installation work, all poles must be disconnected.

24 V Binary Input

Connection should be made in accordance with Fig. ②.

The 24 V binary input evaluates the AC and DC signals. Observe proper polarity for DC operation. (GND to be connected to terminal A2.)

Installation

Caution! The installation and assembly of electrical equipment may be carried out only by a skilled person.

Planning, installation and commissioning of the unit is done by means of EIBA certified software.

Technical Data

Supply instabus EIB	: 24 V DC (+6 / -4 V)
Power drain instabus EIB	: max. 150 mW
Connection	
instabus EIB	: Pressure contact on data bar
Inputs	: Screw terminals 0.25 - 4 mm ²
Ambient temperature	: -5 °C to +45 °C
Overall load carrying capacity at 45°C	: 100 %
Storage temperature	: -25 °C to +70 °C
Type of protection	: IP 20 according to DIN VDE 0470, Part 1
Build-in width	: 53 mm (3 PU)
Length of input lead	: max. 100 m (unscreened line)
Signal duration	: min. 100 ms for minimum debounce time of 25 ms (refer to software parameters)
Input signal delay	
Leading edge	: typ. 2 ms
Negative-going edge	: typ. 60 ms

Binary input 230V AC

Power drain per channel	: typ. 0.6 VA
Input signal voltage	: 230 V AC +/- 10 %
"0" - signal	: 0 to 65 V AC
"1" - signal	: 190 to 253 V AC
Signal current	: typ. 2.7 mA
Weight	: 190g

Binary input 24V AC/DC

Power drain per channel	: typ. 0.25 W
Input signal voltage	: 8V -10 % to 29V +1V
"0" - signal	: 0 to 1.8 V AC -30 V to +1,8 V DC
"1" - signal	: 7.0 to 30 V AC +7.0 V to +30 V DC
Signal current	: typ. 11 mA
Weight	: 180g

Acceptance of guarantee

We accept the guarantee in accordance with the corresponding legal provisions.

Please return the unit postage paid to our central service department giving a brief description of the fault:

Gira
Giersiepen GmbH & Co. KG
Service Center
Dahlienstrasse 12
D-42477 Radevormwald



The CE sign is a free trade sign addressed exclusively to the authorities and does not include any warranty of any properties.

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