

Binary Output GE 561 5WG1 561-4AB02 3 x 230 V AC / 10 A, 42 x 28 mm

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Product and Applications Description

The GE 561 binary output has an oblong design and is therefore suitable for mounting in devices or for separate mounting. It has three volt free contacts to switch on/off various electric loads.

These volt free contacts can be assigned various switching modes depending on the application program used, i.e. the binary output GE 561 consists of the device (hardware) and its application programs (software).

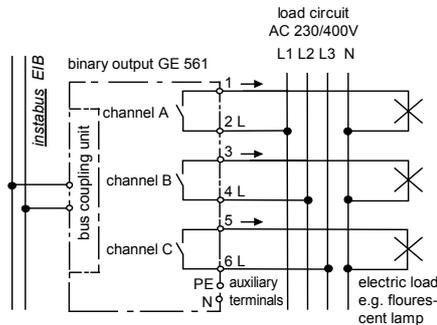
Appropriate application programs are available for the different tasks the binary output GE 561 can handle; e.g. for non-delayed on/off switching or for controlling electrothermal actuators.

With the ETS (EIB Tool Software) the application program is selected, its parameters and addresses are assigned appropriately, and downloaded to the binary output GE 561.

Additional Informations

<http://www.siemens.de/gamma>

Example of Operation



Technical Specifications

Power supply
via bus line

Outputs

- number: 3 outputs (volt free contacts)
- rated voltage: AC 230 V, 47 ... 63 Hz
- rated current: 10 A resistive load
- switching current at AC 230 V: 0,01 ... 10 A resistive load
- switching current at DC 24 V: 10 A resistive load, 4 A inductive load (L/R = 7 ms)
- switching characteristic: set in parameter list according to application program

Switching power at AC 230 V

- at incandescent lamp load: max. 1000 W
- at fluorescent lamp (FL) load:
 - uncorrected FL, $\cos \varphi = 0,5$: max. 500 W
 - parallel corrected FL, $\cos \varphi = 1$ (at $C_{tot} \leq 14 \mu F$): 2 x 58 W or 3 x 36 W or 6 x 18 W
 - twin-lamp circuit, $\cos \varphi = 1$: max. 1000 W
 - Osram ECG for 58 W FL: max. 10 units
 - Osram ECG for 36 W FL: max. 15 units
 - Osram ECG for 18 W FL: max. 20 units

Connections

- load circuit, physical:
 - strip insulation for 9 ... 10 mm
 - permissible conductor types / cross sections:
 - 0,5 ... 2,5 mm² single core or flexible conductor, 8 mm ultrasonically compacted
 - 0,5 ... 2,5 mm² flexible conductor with terminal pin, crimped on gas tight
 - 0,5 ... 1,5 mm² flexible conductor with connector sleeve
 - 1,0 and 1,5 mm² plain flexible conductor
- load circuit, electrical:
 - plain flexible conductor, min. 1 mm²: current carrying capacity max. 6 A
 - all other conductors, min. 1,5 mm²: current carrying capacity max. 10 A
 - The load circuits must be protected with a 10 A miniature circuit breaker A or B characteristic.
- bus line:
 - screwless bus connection block $\varnothing 0,6 \dots 0,8$ mm single core
 - remove approx. 5mm of isolation

Physical specifications

- dimensions (W x H x L): 42 x 28 x 274,5 mm
- weight: approx. 190 g

Electrical safety

- protection (according to EN 60529): IP 20

Environmental specifications

- ambient temperature operating: - 5 ... + 45 °C
- ambient temperature non-op.: - 25 ... + 70 °C
- relative humidity (non-condensing): 5 % to 93 %

Location and Function of the Display and Operator Elements

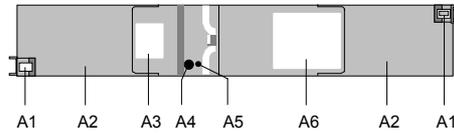


Figure 1: Location of the display and operator elements

- A1 Levers for snapping the cover lids shut
- A2 Cover lids of the connection block compartments
- A3 Label for noting the physical address
- A4 Learning button for switching between normal operating mode and addressing mode
- A5 LED for indicating normal operating mode (LED off) and addressing mode (LED on); upon receiving the physical address the device automatically returns to normal operating mode
- A6 Type plate

Mounting and Wiring

- The device may be used for permanent interior installations in dry locations within casings or other devices, or surface mounted.

WARNING

- The device must be mounted and commissioned by an authorised electrician.
- Take care that 230 V devices that are used in combination with this device provide a basic insulation of 250 V to the line; otherwise a safety distance of 4 mm must be kept. If in doubt, an extra insulation should be added.
- A safety disconnection of the device must be possible. Especially if the device is connected to different phases.
- The prevailing safety rules must be heeded.
- The device must not be opened.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.

General description

The devices can be built into casings or mounted separately with two screws, $\varnothing 4$ mm.

Opening the connection block compartment (Figure 2)

- Press the snap levers (A1) outwards (black arrows) and remove the cover lids (A2) of the compartments.

Closing the connection block compartment (Figure 2)

- Press the cover (A2) down until it clicks into place.

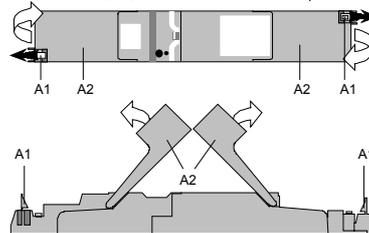


Figure 2: Opening and closing the cover lids

General Notes

- Any faulty devices should be returned to the local Siemens office.
- If you have further questions about the product, please contact our Technical Support:

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