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## USS

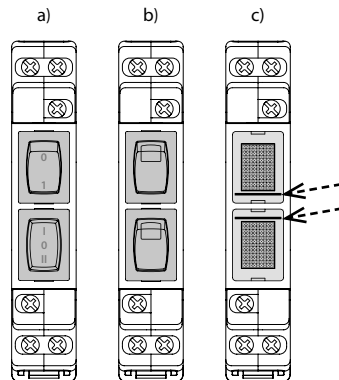
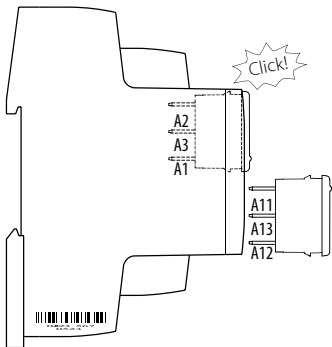
### Controlling and signalling modules



#### Characteristics

- Independent switch units designed for flexible controlling and switching of power circuits.
- USS - "Do It Yourself" = it is possible to "click into" different types of switches and signalling units into the basic module.
- Units are delivered as components and configured by the user.
- 16 types of units: switches, push buttons, signal lights of different colours including flashing lights units are replaceable also for future (for example when an application is changed, extended, etc...).
- Units are also replaceable in the future (for example when an application is changed, extended, etc...).
- It is possible to place up to two units into one MODULE (for example 2x switch, 2x signalling lights or combinations) = saves space in switchboard panels.
- 1-MODULE (90 x 17.6 x 64 mm / 3.5" x 0.7" x 2.5"), DIN rail mounting.
- Operating temperature -20 °C to +55 °C (-4 °F to 131 °F).
- M3 screw with clamp terminals.

#### Means of assembly



#### Positions

When only one position is engaged, the other position has to be blinded by a blind flange USS-00.

While assembling it is necessary to click a switch or control light in the module USS-ZM correctly. In case of insufficient connection of modules USS-ZM and USS-01-15, there is a danger of transition resistance.

#### Orientation of switches, alternating switches, and control lights in USS-ZM modules

To ensure correct function of USS modules it is necessary to observe the correct Orientation of switches, alternating switches, and control lights.

- Correct orientation of switches and alternating switches is valid for types USS-01-06.
- Correct orientation of switches with back-light USS-07-09.
- Correct orientation of control lights USS-10-15. The jog needs to point to the centre.

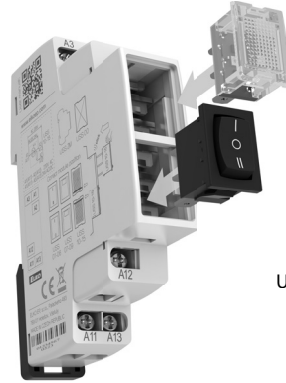
#### Dismounting of USS modules

The units are firmly seated after assembly, and unprofessional or careless disassembly can lead to damage.

Note: with load over 300 VA is necessary to ensure sufficient cooling.

#### Example of an order

Make your own device USS - easy and intelligent solution!



USS-ZM + USS-11 + USS-03

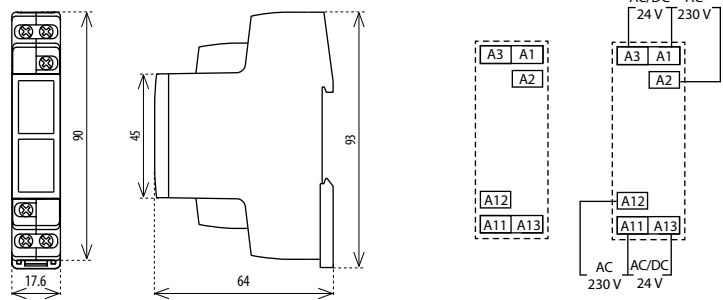
#### Warning

Device is constructed for connection for 1-phase main voltage or AC/DC 24 V and must be installed according to norms valid in existing state. Installation, connection, setting and servicing For right device protection should be fronted-end certain element. Before starting installation must be main switch in position „SWITCH OFF“ and device should be out of voltage. Don't install device to suppliers surcharge electro-magnetic interference. By right installation of device is provide good air circulate to don't pass maximal operating temperature, in case of higher ambient temperature and permanent working. For installation and setting use screw-driver cca 2 mm. The device is full-electronic - installation should be effected according to this. Function without problems is too dependent on previous type of transportation, storing and manipulation. In case of any vestige of destruction, deformation, non-function or missing part, don't install and made claim to seller. Product may be, after passing operating time, disassembled, recycled or puted on protected tip. Connection according to the details in this direction. should be installed by qualified electrician staff only, who learn this instruction and functions of device

## Units

### USS-ZM

Basic MODULE (housing with terminals and contacts).

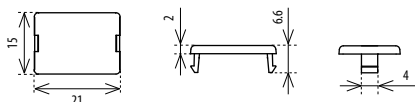


### USS-00 - blind flange

Used to fill in an empty position in the front panel of the USS Module.

Color: Grey, RAL7035 (the same as the housing).

Dimensions: 21 x 15 x 7 mm (0.83" x 0.59" x 0.28").



### SWITCHES, PUSH BUTTONS

They have a low uplift and a large fingerboard. Thanks to this design and switching mechanism they fulfil high expectations for number of switching and contact quality. Dimensions: 21 x 15 x 20 mm (0.83" x 0.59" x 0.79").

| Name   | Rated current / voltage | Connection |
|--|-------------------------|------------|
| USS-01<br>switch                                 | 6A / 250V AC            |            |
| USS-02<br>alternation switch                     | 10A / 250V AC           |            |
| USS-03<br>switch with central position           | 10A / 250V AC           |            |
| USS-04<br>switch + button with central position  | 6A / 250V AC            |            |
| USS-05<br>switching button with central position | 6 A / 250V AC           |            |
| USS-06/S<br>NO switch                            | 10A / 250V AC           |            |
| USS-06/R<br>NC switch                            | 10A / 250V AC           |            |

### SWITCHES WITH GLOW LAMP

Switch and signalization in one unit. Signalization is carried out by a glow lamp in dolly including series resistance. It is possible to instal it for permanent indication or for an intermittend by contact of the switch. Colours: red, green, yellow.

Dimensions: 21 x 15 x 20 mm (0.83" x 0.59" x 0.79").

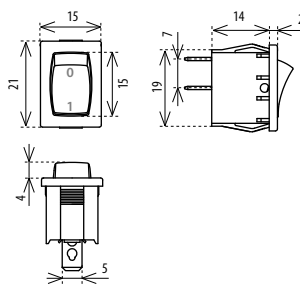
| Name  | Rated current / voltage | Connection |
|---|-------------------------|------------|
| USS-07<br>switch with glow lamp<br>- red    | 6A / 250V AC            |            |
| USS-08<br>switch with glow lamp<br>- green  | 6A / 250V AC            |            |
| USS-09<br>switch with glow lamp<br>- yellow | 6A / 250V AC            |            |

### SIGNALLING LIGHT

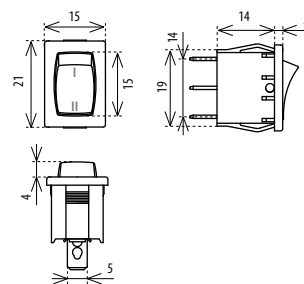
High luminance is ensured by SMD LED diode, which equally illuminates by its colour all surface of the transparent signalling light. It is possible to supply the signalling light by AC 230 V, and also by AC/DC 24 V with minimal input. Red sig. light is delivered also in a flashing version. - unit: 14. Colours: red, green, yellow, white, blue. Dimensions: 21 x 15 x 14 mm (0.83" x 0.59" x 0.55").

| Name                                       | Supply voltage                     | Connection |
|--|------------------------------------|------------|
| USS-10<br>signalling LED<br>- red          | A1-A2, AC 230V<br>A1-A3, AC/DC 24V |            |
| USS-11<br>signalling LED<br>- green        | A1-A2, AC 230V<br>A1-A3, AC/DC 24V |            |
| USS-12<br>signalling LED<br>- yellow       | A1-A2, AC 230V<br>A1-A3, AC/DC 24V |            |
| USS-13<br>signalling LED<br>- white        | A1-A2, AC 230V<br>A1-A3, AC/DC 24V |            |
| USS-14<br>signalling LED flashing<br>- red | A1-A2, AC 230V<br>A1-A3, AC/DC 24V |            |
| USS-15<br>signalling LED<br>- blue         | A1-A2, AC 230V<br>A1-A3, AC/DC 24V |            |

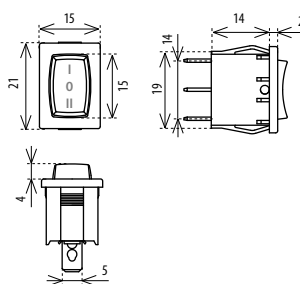
### USS-01



### USS-02, 06, 07, 08, 09



### USS-03, 04, 05



### USS-10, 11, 12, 13, 14, 15

