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Made in Czech Republic

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## USS

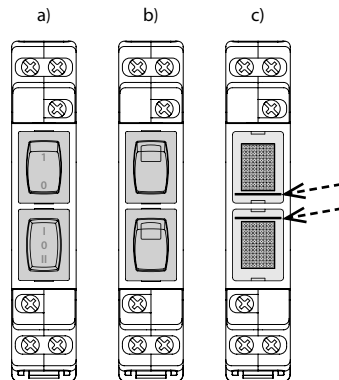
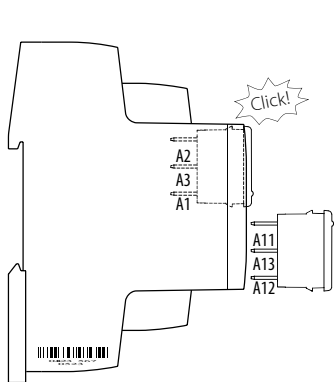
### Controlling and signaling modules



#### 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 signaling 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 light units.
- 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 (e. g. 2x switch, 2x signaling lights or combinations) = saves space in switchboard panels.
- 1-MODULE (90 × 17.6 × 64 mm/3.5" × 0.7" × 2.5"), DIN rail mounting.
- Operating temperature -20 .. +55 °C (-4 .. 131 °F).
- M3 screw with stirrup terminals, pozidrive 1.

#### Installing the USS into the module



#### Filling positions

When only one position is used, 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, toggle 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, toggle switches, and control lights:

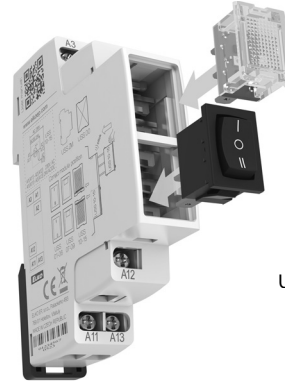
- correct orientation of switches, toggle switches and switches with back-light valid for types USS-01 .. 08
- correct orientation of switch with back-light USS-09
- correct orientation of signal lights USS-10 .. 15, the jog needs to point to the center

#### Dismounting of USS modules

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

#### Example of an order

Make your own device USS - easy and intelligent solution!



USS-ZM + USS-11 + USS-03

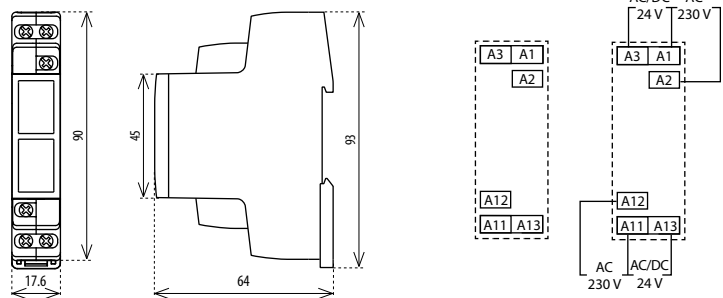
#### Warning

This device is constructed for connection in 1-phase network or direct circuit (according to the type, voltage ranges must be respected) and must be installed according to norms valid in the state of an application. Installation, connection, setting and servicing must be carried out by qualified electrician staff only, which have perfectly understood the instructions and functions. This device contains protection against overvoltage peaks and disturbing impulses in the power supply network. For the correct function of the protection of this device, there must be suitable protections of higher degrees (A,B,C) installed in front of them and according to the standards, interference of switching devices must be securely eliminated (contactors, motors, inductive loads, etc.). Before installation, make sure that the device is de-energized and the main switch is in the "OFF" position. Don't install the device to sources of excessive electromagnetic interference. Ensure correct installation by perfect air circulation so that during continuous operation and a higher ambient temperature, the device does not exceed the maximum allowed operating temperature. For installation and setting use a screwdriver with a width of approx 2 mm. Keep in mind that this is a fully electronic device and approach accordingly with the installation. Non-problematic function of the device is also dependent on the previous method of transportation, storage, and handling. In case of any signs of damage, deformation, malfunction, or missing parts, don't install this device and claim it at the dealer. The product must be treated as electronic waste at the end of its life.

## Units

### USS-ZM

Basic MODULE (housing with terminals and contacts).

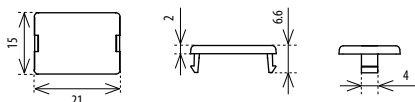


### USS-00, BLIND FLANGE

Used to fill in an empty position.

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

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



### SWITCHES, TOGGLE 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 × 15 × 20 mm (0.83" × 0.59" × 0.79").

Name	Rated current / voltage	Connection
USS-01 Switch	6A / 250V AC	
USS-02 Toggle switch	10A / 250V AC	
USS-03 Toggle switch with central position	10A / 250V AC	
USS-04 Switch + push button with central position	6A / 250V AC	
USS-05 Toggle push button with central position	6 A / 250V AC	
USS-06/S Push button NO	10A / 250V AC	
USS-06/R Push button NC	10A / 250V AC	

### SWITCHES WITH BACK-LIGHT

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

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

Name	Rated current / voltage	Connection
USS-07 Switch with back-light (red)	6A / 250V AC	
USS-08 Switch with back-light (green)	6A / 250V AC	
USS-09 Switch with back-light (yellow)	6A / 250V AC	

\* differs in wiring from USS-07 .. 08

### SIGNALING LIGHTS

It is possible to supply the signaling light by AC 230 V, and also by AC/DC 24 V with minimal consumption. Red sig. light is delivered also in a flashing version - unit: 14.

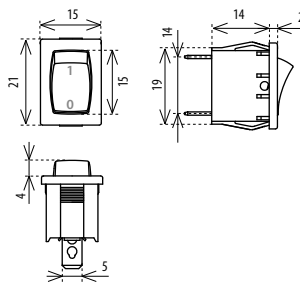
Colours: red, green, yellow, white, blue.

Dimensions: 21 × 15 × 14 mm (0.83" × 0.59" × 0.55").

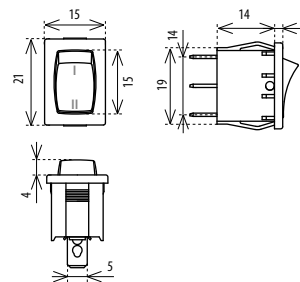
### SIGNAL LIGHTS CONSUMPTION

Name	Supply voltage			Connection
	Un=230V AC	Un=24V AC	Un=24V DC	
	mW	mW	mW	
USS-10 Signaling LED (red)	555	55	62	
USS-11 Signaling LED (green)	554	55	60	
USS-12 Signaling LED (yellow)	554	55	60	
USS-13 Signaling LED (white)	552	52	65	
USS-14 Signaling LED flashing (red)	394	39	37	
USS-15 Signaling LED (blue)	552	58	62	

USS-01, 06/S, 07, 08

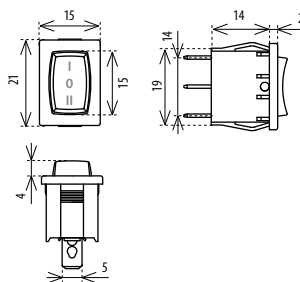


USS-02, 06/R, 09



\* USS-09: the printing and design of the fingerboard are different, the dimensions are identical

USS-03, 04, 05



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

