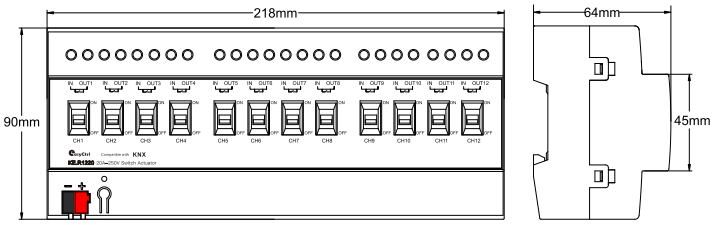
# KNX 12CH 20A Switch Actuator

Datasheet

KE.R1220

## Dimension



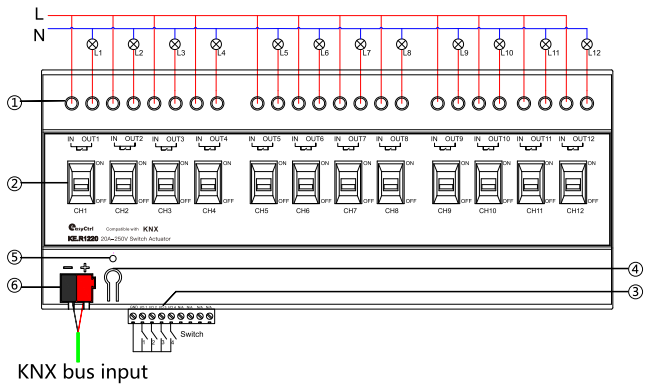

## Function

(1) Independent control 12CH;
(2) With manual forced cut dial;
(3) With relay magnetic hold function;
(4) Value sending, which can send 1bit/1byte value;
(5) Timing off and cycle switch;
(6) With status value query and reply function;
(7) With scene combination control and scene learning function;
(8) With logical operation function;
(9) With interlock group function and channel lock function;
(10) With the function of recording number of relay operations;
(11) With the function of real-time detection of relay status by manual forced switch dial;
(12) With the function of selecting the relay switch status after bus power failure and voltage recovery;
(13) 4 fold I/O, connect with keypad, curtain, dimming, scene ets control commend, can directly link fire emergency lighting;
(14) 1/O less than 10m.

## Parameters

| | |
|---|---|
| Bus voltage: | 21-30 VDC, KNX bus power |
| Static current: | ≤ 12mA |
| Charging current: | ≤ 20mA |
| Static Bus power: | ≤ 360mW |
| Charging Bus power: | ≤ 600mW |
| Main output: | Each CH 250VAC (50/60Hz), Max 20A |
| Shell material: | PA66 |
| Dimensions: | 218mm x 90mm x 64mm |
| Weight: | About 0.67 kg |
| Installation: | 35mm DIN |
| Operating Temperature: | -5°C...+45°C |
| Storage Temperature: | -25°C...+55°C |
| Transportation Temperature: | -25°C...+70°C |
| Relative Humidity: | Max 90% |

## Wiring




① Relay output terminal, one in and one out, the aperture can connect 0.2-4 mm² wires;

② Each circuit control dial, the relay dial is turned up to open, and the relay dial is turned down to close;

③ Dry contact input terminal;

④ Programming button, short press this button to enter programming mode;

⑤ Programming indicator light, when the indicator light is red, the device is in programming state, and when the device is programmed or working normally, the indicator light will flash blue;

⑥ KNX terminal block, KNX bus access, red wire connected to "+", black wire connected to "-".

## Installation

The device is installed in the distribution box and can be installed on the 35mm DIN rail of DIN EN 60715 standard. In order to facilitate the rapid installation of the device in the distribution box, it is necessary to ensure that the operation, testing, inspection and maintenance of the device.

## Safe use and maintenance

(1) Read all instructions carefully before use.
(2) Create a well-ventilated environment.
(3) During use, pay attention to moisture, shock and dust prevention.
(4) Do not expose to rain, other liquids or corrosive gases.
(5) If the machine is damp or invaded by liquid, it should be dried in time.
(6) If the machine fails, please contact professional maintenance personnel or our company.