

## 德国 EKL3.1

产品名称	德国 EKL3.1
公司名称	浙江旭旺电力科技有限公司
价格	面议
规格参数	
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## 产品详情

### ASSEMBLING INSTRUCTION

#### Earth Fault and Short Circuit Indicator Type EKL4

(Panel instrument)

#### Description

The earth fault and shot circuit indicator consists of :

1 pc reading instrument (panel instrument)

3 pcs sensors for detecting short circuit current

4 pcs lighth cable

1 pc sensor for observing the sum current

1 pc flashing lamp (optional)

#### Installation of the reading instrument

The Earth Fault and Short Circuit Indicator is designed for panel installation .The necessary dimensions of the cutout are  $91.5+0,6 \times 44.5+0,6$ mm ( refer to figure 2 ) .Before sliding i n the instrument , the electrical connections can be accomplished .The housing is slided in to the opening and pushed with a light pressure up to stop position .Springs ( figure 1 ) serve to keep the reading instrument in its position .

#### Installation of the light cable

The sensor which is installed on the cable, is connected to the reading instrument via light cable. Therefore the sensor of core L 1 has to be connected with the terminal L1 on the back of the reading instrument. (The endings of the light cables have to be pushed into the pick-up openings up to stop position.) The same has to be done with the Sensors L2, L3 and the earth fault sensor 14 (figure 3).

#### Power supply

The power supply is performed via a 3.6 V lithium battery. For exchanging the battery, a screw cap on the front side of the indication housing must be removed by turning it left. The battery must be taken out and replaced by a new one. (With the supply via lithium battery, the 230 V AC are only connected in case the earth fault and short circuit indicator type EK shall be reset also via recovering voltage of the net.)

#### Electric connection

Depending on the version, the electrical connection has to be done according to the designations in figure 3.

Terminals without any marking (NC) are without any function. In principle, the information indicated on the reading instrument is valid.

#### Setting the display time

The time of displaying after a short circuit or earth is adjustable.

There are three times to choose. The standard reset times are: 1-2-4h (other values are possible). The adjustment of the reset times

will be done by a rotary switch. The rotary switch is on the front

side of the indicator in the left top corner. The possible switch

positions are shown in figure 4.

Setting the operating points for short circuit

The adjustment of the operating points of the earth fault and short circuit indicator indicator type EKL4 is done at the sensors. Three different operating points can be adjusted. The operating points are adjusted with a rotary switch at the front side of the sensor. The adjustable operating points are indicated on the front side of the sensor.