

-90 -80 -70 -60 -50 -40 -30 -20 -10

-10

-20

## Mains Guard NTW-3.3





## 1 General remarks

The mains guard NTW-3 monitors the main voltage of the 3 phases L1, L2, L3 and the fourth wire. In case of disturbance the relay opens after approx. 3 secs and the LED Störung (=disturbance) lights up.

## 2 Principle of function

A voltage loss of more than 20% for one of the 3 mains phases or a break-down of the fourth wire causes after a delay time of about 3 secs a fault message. The relay opens and the LED Störung (=disturbance) lights up.

When the voltage exceeds the switch level the relay picks up again. The LED Störung (=disturbance) may only be reset by using the reset-key.

## 3 Notice

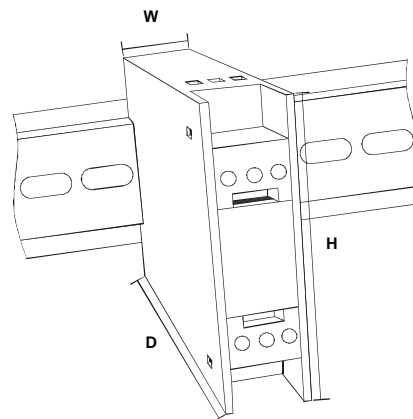
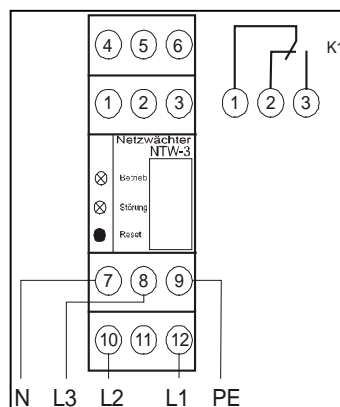
In case that only one phase shall be monitored, the entry terminals L1, L2 and L3 have to be connected in parallel.

## 4 Technical data



**Installation and first commissioning only by trained experts.  
Connection in accordance with VDE 0160.**

<b>Operating Voltage</b>	180 ... 240 V
<b>Power Consumption</b>	approx. 1 VA
<b>Delay Time</b>	approx..3 Seconds
<b>Switch-on Voltage</b>	180 V
<b>Relay Outputs</b>	230 V / 5A / AC
<b>Ambient Temperature</b>	-20 ... +55 °C
<b>Housing Dimensions</b>	W / H / D : 23 x 75 x 100 mm



### 4.1 Ordering information

**Mains Guard NTW-3.3**

Part number:

**E1882**

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