

- Installation design
- Width 35mm
- Mains decoupler
- All-pole disconnection
- 2 normally open contacts



► Technical data

► 1. Functions

- 0 Automatic OFF
- I Automatic ON

► 2. Time ranges

- | | |
|-----------------|---------------------|
| Tripping delay: | Adjustment range |
| Rise time: | fixed, approx. 6s |
| | fixed, approx. 0.5s |

► 3. Indicators

- | | |
|----------------|------------------------------|
| Green LED ON: | indication of supply voltage |
| Yellow LED ON: | indication of relay output |

► 4. Mechanical design

- Self-extinguishing plastic housing, IP rating IP40
- Mounted on DIN-Rail TS 35 according to EN 50022
- Mounting position: any
- Shockproof terminal connection according to VBG 4 (PZ1 required), IP rating IP20
- Initial torque: max. 1Nm
- Terminal capacity:
 - 1 x 0.5 to 2.5mm² with/without multicore cable end
 - 1 x 4mm² without multicore cable end
 - 2 x 0.5 to 1.5mm² with/without multicore cable end
 - 2 x 2.5mm² flexible without multicore cable end

► 5. Input circuit

- | | | |
|-------------------------|----------------------------|---------------------------------------|
| Supply voltage: | 230V AC | terminals L↑-N↑
(bottom of device) |
| Tolerance: | -15% to +10% | |
| Rated frequency: | 48 to 63Hz | |
| Rated consumption: | 11VA (1.6W) | |
| Duration of operation: | 100% | |
| Reset time: | - | |
| Residual ripple for DC: | - | |
| Drop-out voltage: | >10% of the supply voltage | |

► 6. Output circuit

- 2 potential free normally open contacts
- Switching capacity: 4000VA (16A / 250V AC)
- Fusing: 16A fast acting
- Mechanical life: 30 x 10⁶ operations
- Electrical life: 2 x 10⁵ operations at 1000VA resistive load
- Switching frequency: max. 60/min at 100VA resistive load
max. 6/min at 1000VA resistive load (according to IEC 947-5-1)
- Insulation voltage: 250V AC (according to IEC 664-1)
- Surge voltage: 4kV, overvoltage category III (according to IEC 664-1)

► 7. Measuring circuit

- | | |
|--------------------------------------|---|
| Output: | terminals L↑-L↑-N↑-N↑
(top of device) |
| Measuring voltage: | 200 to 250mV DC |
| Activation current I _{ON} : | 5 to 200mA |
| Release current: | fixed,
approx. 70% of activation current |

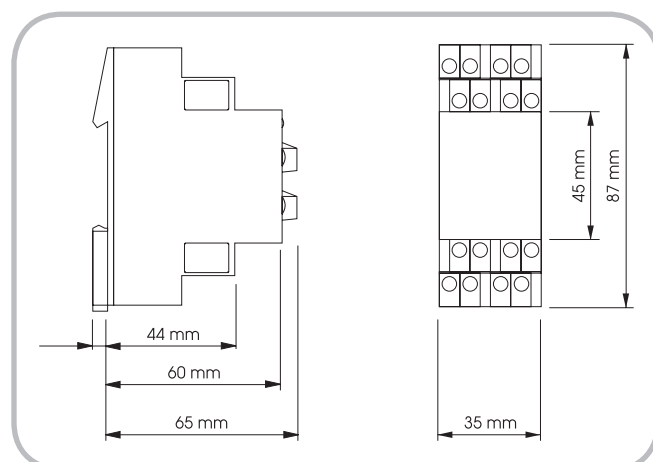
► 8. Accuracy

- | | |
|------------------------|-------------------------------|
| Base accuracy: | ±10% (of maximum scale value) |
| Adjustment accuracy: | ≤5% (of maximum scale value) |
| Repetition accuracy: | ≤2% |
| Voltage influence: | ≤0.5% / V |
| Temperature influence: | ≤0.1% / °C |

► 9. Ambient conditions

- | | |
|------------------------|--|
| Ambient temperature: | -25 to +55°C
(according to IEC 68-1) |
| Storage temperature: | -25 to +70°C |
| Transport temperature: | -25 to +70°C |
| Relative humidity: | 15% to 85%
(according to IEC 721-3-3 class 3K3) |
| Pollution degree: | 2, if built-in 3
(according to IEC 664-1) |

► 10. Dimensions



Functions

For the proper functioning of the device the DC-resistance of the consumer should be sufficiently low. In order to ensure this the consumer has to be equipped if necessary with a base load component (Type GLE). The base load component is connected to the voltage along with the consumer.

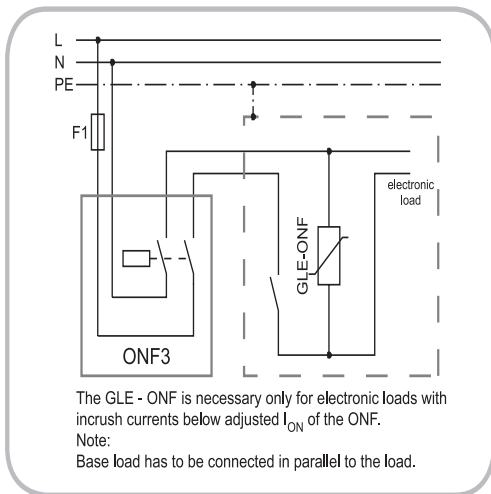
Automatic OFF (0)

The automatic monitoring is cut off for testing purposes. The circuit is constantly connected with the mains and the output relay switches into on-position on applying the supply voltage (yellow LED illuminated).

Automatic ON (I)

When the current required by the connected consumers falls below 70% of the making current set at the I_{ON} -regulator, the fixed interval of the release time (approx. 6s) begins. After the interval has expired, the output relay switches into off-position (yellow LED not illuminated) and the circuit is separated from the mains.

With a very small DC-voltage the line is now monitored for the activation of one of the consumers. If due to the activation of a consumer the current exceeds the set value, the output relay again switches into on-position (yellow LED illuminated) and the circuit is reconnected with the mains.



Connections

