

# WGB-35-TB

## Transformer with built-in earth leakage relay (Class B)



### Description

Earth leakage protection device for the protection of people and property against fault currents, such as:

- Sinusoidal alternating currents and pulsating residual direct currents.
- Sinusoidal alternating currents, up to 1 kHz.
- Direct currents

For installations up to 125 A and sensitivities of 30 or 300 mA. INSTantaneous/SElective activation of the circuit breaker, circuit breaker with fast trigger coil or contactor.

### Applications

All electrical installations where process continuity is critical and protection of persons (30 mA) and machines (300 mA) is required, with non-adjustable immediate or SElective activation.

- Computer systems (UPS systems)
- Speed drives
- Photovoltaic installations
- Electric Vehicle Charging systems

### Características técnicas

|                                 |  |   |
|---------------------------------|--|---|
| <b>Earth leakage protection</b> | Class  | B (IEC 60755, IEC 62423)                                  |
|                                 | Sensitivity $I_{\Delta n}$                       | 30 or 300 mA  |
|                                 | Gauge, $I_n$                                     | up to 125 A   |
|                                 | Trip delay $t_{\Delta}$                          | INSTantaneous (30 mA) or SElective (IEC 61008-1)          |
|                                 | Sensor   | Built in earth leakage transformer, 35 mm                 |
|                                 | Test and Reset                                   | T & R buttons   |
|                                 | Signalling LED                                   | Power supply voltage<br>Leakage trip                      |
|                                 | Circuit breaker to be associated                 | Contactor or circuit breaker with trigger coil            |
|                                 | Control of the circuit breaker                   | Potential free changeover contact output, positive Safety |
|                                 | <b>Electrical features</b>                       | Operating voltage   |
| Output contacts                 |  | 250 Vac, 5 A, AC1   |
| <b>Mechanical features</b>      | Operating temperature                            | -10...+50 °C  |
|                                 | Installation                                     | <b>DIN Rail 46277 (EN 50022)</b>                          |
|                                 | Weight   | 380 g   |
|                                 | Protection degree                                | Terminals IP 20, back panel IP 40                         |
|                                 | Terminal dimensions                              | 1-1.5 mm <sup>2</sup>                                     |
| <b>Standards</b>                | <b>IEC 60755, IEC 62423, IEC 60947-2 annex M</b> |   |

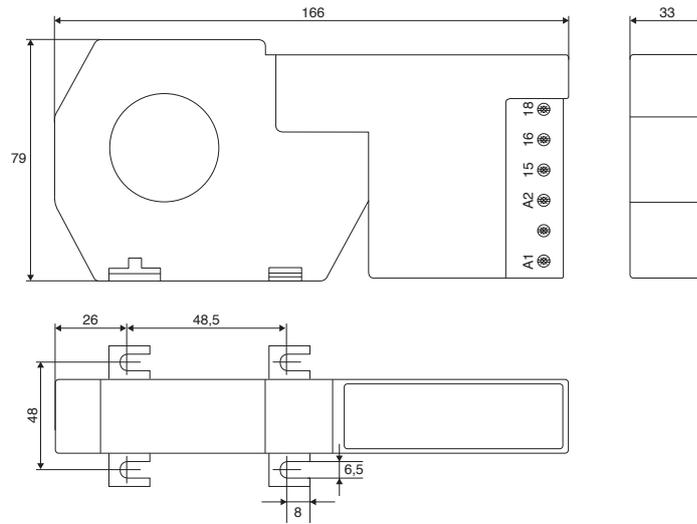
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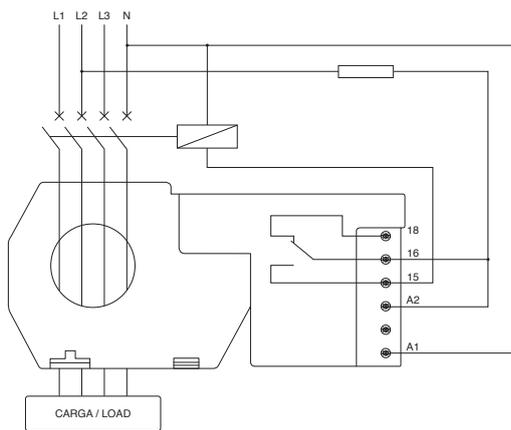
| Type           | Code   | Sensibility $I_{\Delta n}$ | Delay |
|----------------|--------|----------------------------|-------|
| WGB-35-TB 30   | P16111 | 0,03 A                     | INS   |
| WGB-35-TB 300  | P16121 | 0,3 A                      | INS   |
| WGB-35-TB 300S | P16131 | 0,3 A                      | SEL   |

### Dimensions



### Connections

Shunt coil



Undervoltage coil

