



## 9. Specifications

|                        |                                                                                                                                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supply                 | Voltage range: 40 – 250 V AC (45 – 65 Hz) or 40 – 300 V DC<br>Power consumption: 5 VA<br>Protection: 6 A                                                                                                                            |
| Voltage measuring      | Voltage range: 0.1 – 20 V; Burden 240 kΩ<br>Voltage transformer ratio: Adjustable 1 – 350<br>Overload: 120 V (continuous), 500 V (10 s)<br>Accuracy: 0.5 % from upper measurement range                                             |
| Current measuring      | Current range: 15 mA – 5 A; Burden 20 mΩ<br>Current transformer ratio: Adjustable 1 – 4000<br>Overload: 25 A (continuous), 100 A (1 s)<br>Accuracy: 0.5 % from upper measurement range                                              |
| Relay outputs          | 4 relays: Change-over contact; Potential-free; Max. protection 6 A<br>Max. output rating AC: 1250 VA; Max. switching voltage: 440 V AC<br>Max. output rating DC (ohmic): 30 V / 5 A<br>60 V / 1 A<br>110 V / 0.5 A<br>220 V / 0.3 A |
| Digital input          | Blocking alarm/trip via digital input.                                                                                                                                                                                              |
| Interface              | TTL; Rear (optional: TTL-USB converter)                                                                                                                                                                                             |
| Ambient temperature    | Operation: -20 °C – 70 °C<br>Storage: -40 °C – 85 °C                                                                                                                                                                                |
| Humidity               | 0 % - 95 %, Without moisture condensation                                                                                                                                                                                           |
| Overvoltage class      | CAT II; Pollution degree 3 (DIN VDE 0110, Teil 1 / IEC 60664-1)                                                                                                                                                                     |
| Standards              | DIN VDE 0110 part 1 (IEC 60664-1:1992)<br>VDE 0411 part 1 (DIN EN 61010-1 / IEC 61010-1:2001)<br>VDE 0843 part 20 (DIN EN 61326 / IEC 61326: 1997 + A1:1998 + A2: 2000)                                                             |
| Conformity and listing | CE                                                                                                                                                                                                                                  |
| Connection             | Screw terminals; Max. 2.5 mm <sup>2</sup>                                                                                                                                                                                           |
| Casing                 | Front: Plastic housing (UL94-VO)<br>Rear: Metal                                                                                                                                                                                     |
| Protection class       | Front: IP50, (IP54 by using a gasket)<br>Rear: IP20                                                                                                                                                                                 |
| Weight                 | ca. 0.65 kg                                                                                                                                                                                                                         |
| Dimensions             | 144 x 144 x 58 mm (h x w x d), Cutout 138 <sup>+0,5</sup> x 138 <sup>+0,5</sup> mm                                                                                                                                                  |