

Integrated **RCMU** Functionality

Application Note

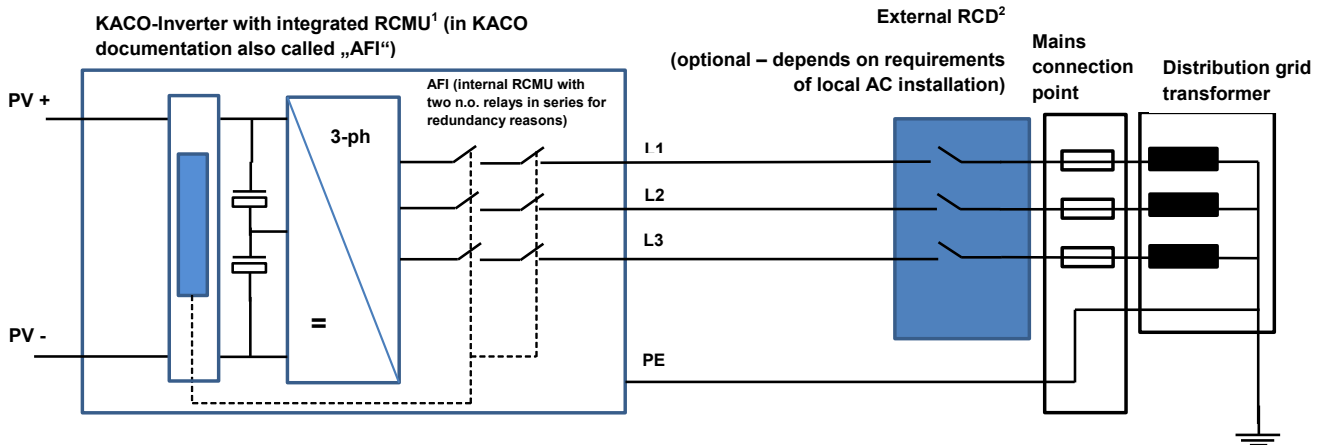
KACO Inverter

blueplanet 87.0-165 TL3

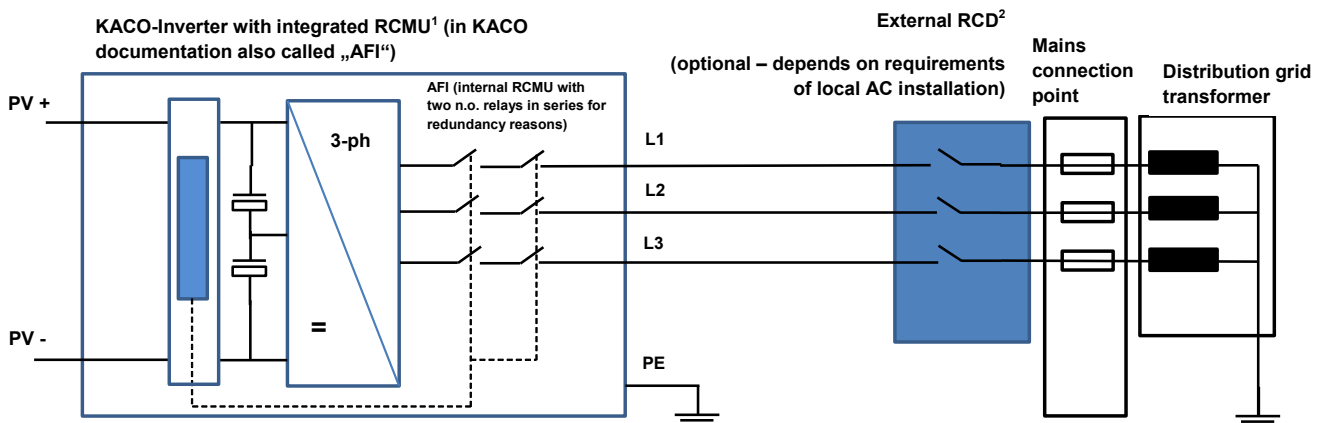
1 Purpose and Scope

The following overview shows the functionality and characteristic of the inverter integrated RCMU Description of integrated RCMU in KACO Inverter blueplanet 87.0-150TL3.

1.1 Wiring diagram (assumed grid configuration: TN)



1.2 Wiring diagram (assumed grid configuration: TT)



¹ RCMU: Residual Current Monitoring Unit (Modul) / ² RCD: Residual Current protective Device

1.3 Characteristics according IEC62109-2; Chapter 4.8.3.5

1.3.1 Continuous residual current

Max. value (rms) for continuous residual current	Max. time to inverter disconnection from the mains
Inverter Power Rating >30 kVA: 10 mA je kVA (z. B. blueplanet 125 TL3-> 125 kVA -> 1,25 A)	Within 0.3 seconds

1.3.2 Sudden changes in residual current

Residual current, sudden change	Max. time to inverter disconnection from the mains
30 mA	Within 0.3 Sekunden
60 mA	Within 0.15 Sekunden
150 mA	Within 0.04 Sekunden

