



SHIFTING THE LIMITS

Wels, 26th June 2013

RESIDUAL CURRENT DEVICE (RCD) FRONIUS GALVO

Fronius International GmbH

hereby informs, that according to IEC 60364-7-712:2002 respectively DIN VDE 0100-712:2006 a Residual Current Device isn't mandatory required for PV inverters.

However a residual current protection can be claimed, depending on the protection system of the particular installation, the installation regulations or the requirements of the grid operator.

The inverters Fronius Galvo 1.5-1 – 3.1-1 do have a basic insulation between the DC- and AC side and prevent possible residual currents from exceeding 6mA. Therefore the use of a Type A Residual Current Device is permitted.

Typically the following combination of inverter and RCD is applicable:

/ **Fronius Galvo 1.5-1 – 3.1-1 $\geq 30\text{mA}$**

Due to local circumstances, nuisance trippings of the used Residual Current Device can't be excluded entirely. In this case short-time delayed or selective Residual Current Devices, respectively Residual Current Devices with higher rated nominal current or Residual Current Devices suitable for frequency converters can produce relief.

Fronius International GmbH

Solar Electronics Division

Froniusplatz 1

A-4600 Wels

A handwritten signature in black ink, appearing to read "ppa Hackl" followed by a stylized flourish.

Ing. Prok. Martin Hackl

Head of Solar Electronics Division