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Certificate of compliance

Applicant: Carlo Gavazzi Logistics SpA
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Product: Automatic disconnection device between a generator
and the public low-voltage grid

Model: ISMG145GR, ISMG150GR, ISMG160GR

Use in accordance with regulations:

Automatic disconnection device with three-phase mains surveillance in accordance with DIN V VDE V 0126-1-1:2006-02* for photovoltaic systems with a three-phase parallel coupling via an inverter in the public mains supply. The automatic disconnection device is an integral part of the aforementioned inverter. This serves as a replacement for the disconnection device with insulating function which the distribution network provider can access at any time.

* with a dc-injection $<0,5\%$ of I_{ACnom}
49,5Hz $<f<$ 50,5Hz (Continent)
47,5Hz $<f<$ 51Hz (Island)
Disconnection time $<500ms$
Reconneciton time $>180s$

Applied rules and standards:

DIN V VDE V 0126-1-1 (VDE V 0126-1-1):2006-02 and „Generator at the public low-voltage grid, 4th edition 2001, guideline for connection and parallel operation of generators in the public low-voltage grid” with VDN additions (2005) from the German Electricity Association (VDEW) and Association of network operator (VDN).

The safety concept of an aforementioned representative product corresponds at the time of issue of this certificate to the valid safety specifications for the specified use in accordance with regulations.

Report number: 08TH0110-VDE0126_GR

Certificate number: U10-488

Date of issue: 2010-11-18

Valid until:

2013-10-29

Achim Hänchen
CERTIFICATION