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Certificate of compliance

Applicant: ZIEHL industrie-elektronik GmbH+Co KG
Daimlerstrasse 13
74523 Schäbisch Hall
Germany

Product: Network and System Protection device

Model: UFR1001E

Network and System protection device for three-phase parallel connection to the public grid.

Applied rules and standards:

EN 50549-1:2019, I.S. EN 50549-1:2019

Requirements for parallel connection of installations with distribution networks - Part 1: Connection to an LV distribution network - Production of installations up to and including Type B

4.4 Normal operating range

4.9 Interface protection

4.13 Requirements regarding single fault tolerance of interface protection system and interface switch

EN 50438:2013, I.S. EN 50438:2013

Requirements for micro-generating plants to be connected in parallel with public low-voltage distribution networks

DIN V VDE V 0126-1-1:2006 (4.1 Functional safety)

Automatic disconnection device between a generator and the public low-voltage grid

Commission Regulation (EU) 2016/631 of 14 April 2016

Establishing a network code on requirements for grid connection of generators (NC RFG).

Type approval for generation units to use in Type A and Type B plants.

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

Report number: 11TH0501-EN50549-1_0

Certification Program: NSOP-0032-DEU-ZE-V01

Certificate number: U21-0660

Date of issue: 2021-07-13

Certification body



Thomas Lammel



Certification body Bureau Veritas Consumer Products Services Germany GmbH accreditation to DIN EN ISO/IEC 17065

A partial representation of the certificate requires the written approval of Bureau Veritas Consumer Products Services Germany GmbH



Annex to the EN 50549-1 certificate of compliance No. U21-0660

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Appendix

Extract from test report according to EN 50549-1 No. 11TH0501-EN50549-1_0

Type Approval and declaration of compliance with the requirements of EN 50549-1 and Commission Regulation (EU) 2016/631 of 14 April 2016	
Manufacturer / applicant	ZIEHL industrie-elektronik GmbH+Co KG Daimlerstrasse 13 74523 Schäbisch Hall Germany
Micro-generator Type	Network and System Protection device
	UFR1001E
Rated supply voltage	AC/DC 24 - 270V, DC / 45 - 65Hz (<5VA)
Measurement range of voltage	
Measurement range phase-phase	15 – 530VAC
Setting range phase-phase	15 – 520VAC
Measurement range phase-neutral	10 – 310VAC
Setting range phase-neutral	15 – 300VAC
Measurement range of frequency	
Measurement range	40 - 70Hz
Setting range	45 - 65Hz
Firmware version	0-09 or higher
Measurement period	2012-01-26 – 2012-02-02 2018-02-13 – 2018-02-14 2018-11-08 2020-05-12 – 2020-07-11