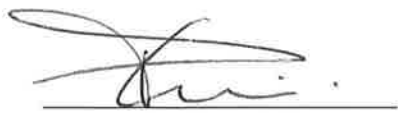




1/2 Ref. REACT2-UNO-5.0(3.6)-TL (Fimer_VDE-AR-N 4105 Form E6_EN)

VDE-AR-N 4105:2018-11	
Certificate of conformity for the NS protection integrated in the inverters	
Manufacturer	Fimer S.p.A. Via Tortona, 25 20144 Milano (MI)- Italy
Type of NS protection	Relay contacts
Integrated NS protection assigned to power generation unit type	Relay
Network connection rule	VDE-AR-N 4105:2018-11 "Generators connected to the low-voltage distribution network" Technical requirements for connection to and parallel operation with low-voltage distribution network
The network and system protection integrated in the power generation units listed in Table 1 meets the requirements of VDE-AR-N 4105:2018-11.	
The setting values and disconnection times (total break times) of the protective functions are as follows: Voltage drop protection $U < :$ 184 V ≤ 3000 ms Rise-in-voltage protection $U > (*) :$ 253 V < 200 ms Rise-in-voltage protection $U >> :$ 287,5 V ≤ 100 ms Frequency decrease protection $f < :$ 47,5 Hz ≤ 100 ms Frequency increase protection $f > :$ 51,5 Hz ≤ 100 ms (*) moving 10-minute average protection according EN 50160 - All requirements of VDE-AR-N 4105:2018-11 are fulfilled and have been confirmed via type tests conducted in Fimer S.p.A. - The conformity is ensured for all products with model name and firmware version as listed in Table 1.	
Terranuova Bracciolini, 19 January 2021  Alessandro Rossi (Testing & Laboratory Manager)  Paolo Casini (Chief Technical Officer)	
This certificate of conformity of two pages shall not be used in parts. Fimer S.p.A. Via Tortona, 25, 20144 Milano (MI)Italy	

FIMER S.p.A.

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Manufacturing Unit: Via San Giorgio 642 – 52028 Terranuova B.ni (AR) – Italy
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2/2

Inverter models	Maximum active power P_{Emax}	Maximum apparent power S_{Emax}	AC rated voltage	Rated current (AC) I_r	Initial short- circuit AC current	Fulfil VDE-AR-N 4105:2018-11 requirements from firmware version
REACT2-UNO-5.0-TL	4600 W	4600 VA	230 V	22 A	22 A	Not less than 1926A Standard selection: GERMANY (VDE 4105:2018-11)
REACT2-UNO-3.6-TL	3600 W	3600 VA	230 V	16 A	16 A	Not less than 1926A Standard selection: GERMANY (VDE 4105:2018-11)

TABLE 1. Fimer S.p.A. Grid Tied Solar Inverter in compliance with VDE-AR-N 4105:2018-11

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