



### Main

|                           |                         |
|---------------------------|-------------------------|
| Range of product          | Conext RL               |
| Device short name         | RL 4000 E               |
| Product or component type | Grid-tie solar inverter |
| Network number of phases  | Single phase            |
| Nominal output power      | 4 kVA                   |

### Complementary

|                           |   |
|---------------------------|---|
| Photovoltaic power        | 4.2 kW input power for maximal output power<br>3.2 kW input power per MPPT                      |
| Output voltage            | 184...276 V AC<br>230 V AC (nominal)  |
| Number of MPPT            | 2   |
| Maximum output current    | 18.2 A AC   |
| Frequency                 | 50/60 Hz +/- 5 Hz (output)  |
| Cos phi                   | 0.8 leading to lagging  |
| Harmonic distortion       | < 3 %   |
| Input voltage             | 100 V DC at start<br>180...500 V DC MPPT<br>90...550 V DC operating<br><= 550 V DC open circuit |
| Input current per MPPT    | <= 12 A   |
| Efficiency                | 97.5 % peak<br>97 % European  |
| Power consumption in W    | < 1 W night time  |
| Topology                  | Transformerless   |
| Function available        | Standard integrated DC disconnect (optional)<br>Embedded data logger for 365 days               |
| Relay type                | Multifunction control relay   |
| Display type              | LCD   |
| Messages display capacity | 2 lines of 16 characters  |
| Communication interface   | Ethernet (optional)<br>Modbus (RS485)   |
| Type of connector         | - (IP67 - output)<br>Multicontact MC4 - input   |
| Type of cooling           | Natural convection  |
| Height                    | 42 cm   |
| Width                     | 48 cm   |
| Depth                     | 16 cm   |
| Product weight            | 21 kg   |
| Acoustic level            | < 40 dBA  |
| Enclosure material        | Aluminium   |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |   |
|---------------------------------------|---|
| IP degree of protection               | IP65 (balance)<br>IP65 (electronic)   |
| Ambient air temperature for operation | -20...65 °C   |
| Electromagnetic compatibility         | Immunity for industrial environments conforming to EN 61000-6-2<br>Emission standard for residential, commercial and light-industrial environments conforming to EN 61000-6-3 |
| Standards                             | VDE 0126<br>AS 3100<br>VDE-AR-N 4105<br>RD 1699<br>CEI 0-21<br>IEC 62116<br>IEC 61727<br>AS 4777<br>EN 50438<br>G83/1 engineering recommendation<br>UTE C 15-712-1<br>AS 5033 |
| Product certifications                | CE marked for low voltage directive 2006/95/EC conforming to 62109-1/62109-2<br>CE marked for EMC directive 2004/108/EC   |
| Operating altitude                    | < 2000 m  |
| Relative humidity                     | 4...100 % (condensing)  |
| Environmental characteristic          | Stationary use at non-weatherprotected locations, category 4K4H conforming to IEC 60721-3-4<br>REACH  |