



Main

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|---------------------------|-------------------------|
| 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

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|---------------------------|---|
| Photovoltaic power | 4.2 kW input power for maximal output power 3.2 kW input power per MPPT |
| Output voltage | 184...276 V AC 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 180...500 V DC MPPT 90...550 V DC operating <= 550 V DC open circuit |
| Input current per MPPT | <= 12 A |
| Efficiency | 97.5 % peak 97 % European |
| Power consumption in W | < 1 W night time |
| Topology | Transformerless |
| Function available | Standard integrated DC disconnect (optional) 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) Modbus (RS485) |
| Type of connector | - (IP67 - output) 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 |

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Environment

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|---------------------------------------|---|
| IP degree of protection | IP65 (balance) IP65 (electronic) |
| Ambient air temperature for operation | -20...65 °C |
| Electromagnetic compatibility | Immunity for industrial environments conforming to EN 61000-6-2 Emission standard for residential, commercial and light-industrial environments conforming to EN 61000-6-3 |
| Standards | VDE 0126 AS 3100 VDE-AR-N 4105 RD 1699 CEI 0-21 IEC 62116 IEC 61727 AS 4777 EN 50438 G83/1 engineering recommendation UTE C 15-712-1 AS 5033 |
| Product certifications | CE marked for low voltage directive 2006/95/EC conforming to 62109-1/62109-2 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 REACH |