



Main

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|---------------------------|-------------------------|
| Range of product | Conext TL |
| Device short name | TL 8000 E |
| Product or component type | Grid-tie solar inverter |
| Network number of phases | Three phase |
| Nominal output power | 8 kVA |

Complementary

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|-------------------------|------------------------------------------------------------------------------------------------------------------|
| Photovoltaic power | 8.3 kW input power for maximal output power |
| Output voltage | 230/400 V AC (nominal) |
| Number of MPPT | 2 |
| Maximum output current | 12.8 A AC |
| Frequency | 50/60 Hz +/- 3 Hz (output) |
| Cos phi | 0.8 leading to lagging |
| Harmonic distortion | < 3 % at rated power |
| Input voltage | 350...850 V DC MPPT 200 V DC at start <= 1000 V DC open circuit |
| Input current per MPPT | <= 17 A |
| Efficiency | 97.4 % European 98.2 % peak |
| Power consumption in W | < 2 W night time |
| Topology | Transformerless |
| Function available | Dry contact Remote inverter disable Standard integrated DC disconnect Embedded data logger for 365 days |
| Communication interface | Modbus (RS485) |
| Type of connector | Multicontact MC4 - input) - (IP67 - output) |
| Type of cooling | Fan |

Disclaimer: 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

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|--------------------|-----------|
| Height | 62.5 cm |
| Width | 61.2 cm |
| Depth | 27.8 cm |
| Product weight | 41 kg |
| Acoustic level | < 50 dBA |
| Enclosure material | Aluminium |
| Marking | CE |

Environment

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|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP degree of protection | IP55 (balance) IP65 (electronic) |
| Ambient air temperature for operation | -20...60 °C |
| Electromagnetic compatibility | Emission standard for residential, commercial and light-industrial environments conforming to EN 61000-6-3 Immunity for industrial environments conforming to EN 61000-6-2 |
| Standards | CEI 0-21 RD 1699 UTE C 15-712-1 VDE-AR-N 4105 IEC 61727 IEC 62116 AS 4777 EN 50438 VDE 0126 |
| Operating altitude | < 2000 m without derating |
| Relative humidity | 4...100 % (condensing) |
| Environmental characteristic | REACH |
| Directives | 2006/95/EC - low voltage directive 2004/108/EC - electromagnetic compatibility |