



Compact DC 2 3G

Compact DC 2 3G, PRIME PLC Concentrator

Code: Q46090. DESCATALOGADO

- > 2nd transformer connection: Yes
- > Homologation: -
- > Communications: PRIME | 3G
- > Digital inputs: -
- > LV supervisor: 2

Description

The **COMPACT DC** concentrator is the device used to manage and read three-phase and single-phase power meters connected to the same low-voltage network using PRIME communications.

Typically located in the transformer substation, the **COMPACT DC** concentrator provides telemanagement features for the meters, whether reading the information they provide, or executing the actions that can be applied to this type of device, such as modifying tariffs, actuating the circuit breaker, etc.

COMPACT DC has an indirect three-phase meter with low-voltage monitoring functions, depending on the model.

The device features PRIME PLC communications, an Ethernet port and digital inputs.



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Specifications

AC power supply

| | |
|-----------------------|----------------------|
| Installation category | CAT III 300V |
| Consumption | 12 ... 27 VA |
| Frequency | 50 / 60 Hz |
| Nominal voltage | 110 ... 230 V~ ±20 % |

Mechanical characteristics

| | |
|----------------------------------|-------------------------------|
| Size (mm) width x height x depth | 279 x 120 x 130 (mm) |
| Envelope | Self-extinguishing V0 plastic |
| Fastening | DIN rail |
| Weight (kg) | 1,3 |

Environmental characteristics

| | |
|--|----------------|
| Protection class | IP40 |
| Relative humidity (without condensation) | 5 ... 95 % |
| Working temperature | -25 ... +70 °C |

Current measurement circuit

| | |
|-----------------------------------|----------------|
| Installation category | CAT III 600V |
| Nominal current (In) | 5 A |
| Phase current measuring range | 2 mA ... 10 A |
| Maximum input current consumption | 0.02 VA |
| Maximum pulse current | 20 x In (< 1s) |
| Minimum current measurement | 2 mA |

Voltage measurement circuit

| | |
|--------------------------------------|------------------------------|
| Installation category | CAT III 600V |
| Input impedance | 800 KΩ |
| Frequency measuring range | 45 ... 65 Hz |
| Voltage measuring range | 127/220 ... 230/400 V~ ±20 % |
| Maximum input voltage consumption | 0.07 VA |
| Minimum measurement voltage (Vstart) | 10 V~ |

Standards

| | |
|---------------------------------------|--|
| Electrical safety, Maximum height (m) | 2000 |
| Standards | UNE-EN 61000-4-2, UNE-EN 61000-4-3, UNE-EN 61000-4-4, UNE-EN 61000-4-5, UNE-EN 62052-11, IEC 61010 |

User interface



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LED19 indication LEDs / 2 LEDs (20000 imp / kWh) / 2 LEDs (20000 imp / kVarh)

Measurement accuracy

| | |
|-------------------------------------|-------------|
| Phase current measurement | 1% |
| Reactive energy measurement (kvarh) | Class 2 |
| Active energy measurement (kWh) | Class B (1) |
| Phase voltage measurement | 1% |

Isolated digital inputs, 10 kV/1 min

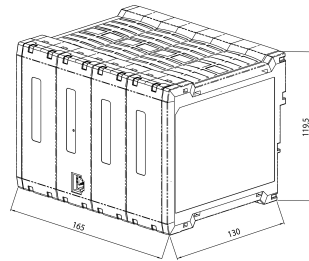


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Dimensions



ESCALA 1:1

Connections

