



Compact DC CCT

Compact DC CCT, PRIME PLC concentrator

Code: Q460B0IB00000 DESCATALOGADO

> 2nd transformer connection: No

> Homologation: Iberdrola

> Communications: PRIME

> Digital inputs: -

> LV supervisor: 1

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.





Circutor

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Specifications

AC power supply	
Installation category	CAT III 300V
Consumption	7 20 VA
Mechanical characteristics	
Size (mm) width x height x depth	216 x 132 x 135 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail
Weight (kg)	1,1
Environmental characteristics	
Protection class	IP40
Relative humidity (without condensation)	5 95 %
Storage temperature	-30 + 80 °C
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 ΚΩ
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~
Communication Network	
Technology / Interface	PRIME
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







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User interface

LED	9 indication LEDs / 1 LED (20000 imp / kWh) / 1 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

