



Compact DC-S 4I, PRIME PLC Concentrator

Code: Q46220. DESCATALOGADO

> 2nd transformer connection: No

> Homologation: Naturgy> Communications: PRIME

Digital inputs: 4LV 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.







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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	203 x 120 x 130 (mm)
Envelope	Self-extinguishing VO 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 / Type	PRIME
Standards	
Electrical safety, Maximum height (m)	2000







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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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LED	15 indication LEDs / 1 LED (20000 imp / kWh) / 1 LEDs (20000 imp / kVArh)

Digital inputs

Input/output insulation	10 kV @1min
Quantity	4
Туре	Short circuit (Vmax = 12.5 Vdc, Imax = 15 mA)

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



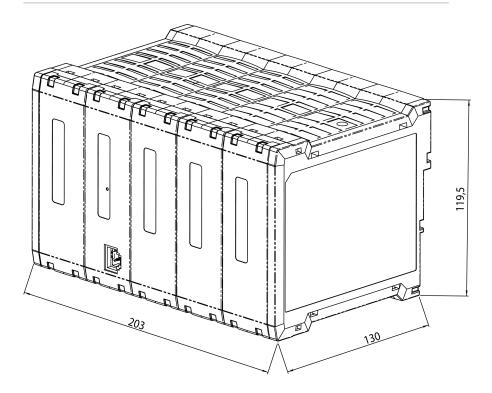




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Dimensions



ESCALA 1:1