,

Code:

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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Code:

Specifications

AC power supply

Installation category	CAT III 300V
Consumption	10 ... 26 VA

Mechanical characteristics

Size (mm) width x height x depth	203 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 %
Operating 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~

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

User interface

LED	1 LED (20000 imp/kWh) / 1 LED (20000 imp/kVArh)

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Measurement accuracy

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

Radio communication

Band	Cuatribanda / HSPA+HSPA / UMTS 850 / 900 / 1900 / 2100 MHz
Technology / Type	3G (Huawei MU609)

COMPACT DC
PRIME PLC Concentrator

CODE	TYPE	2nd transformer connection	Homologation	Communications	Digital inputs	LV supervisor	2° transformer connection
Q46274.	Compact DC-S 3G BAT	No	-	PRIME | 3G	-	1	
Q4628C.	Compact DC-S MINI	No	-	PRIME	-	No	
Q46210.	Compact DC-S 3G	No	Naturgy	PRIME | 3G	-	1	
Q46220.	Compact DC-S 4I	No	Naturgy	PRIME	4	1	
Q46230.	Compact DC-S SBT	No	Naturgy	PRIME	-	1	
Q46240.	Compact DC-S BASIC	No	-	PRIME | 3G	-	No	
Q46211.	Compact DC-S 3G VTN			PRIME | 3G		1	
Q46221.	Compact DC-S 4I VTN			PRIME	4	1	
Q46231.	Compact DC-S SBT VTN			PRIME		1	
Q46241.	Compact DC-S BASIC VTN			PRIME | 3G			
Q46251.	Compact DC-S 2 VTN			PRIME | 3G	4	2	1
Q46050.	Compact DC 2	Yes	Naturgy	PRIME	4	2	
Q46090.	Compact DC 2 3G	Yes	-	PRIME | 3G	-	2	
Q46070IB00000	Compact DC TGB	No	Iberdrola	PRIME | 3G	-	1	
Q460B0IB00000	Compact DC CCT	No	Iberdrola	PRIME	-	1	

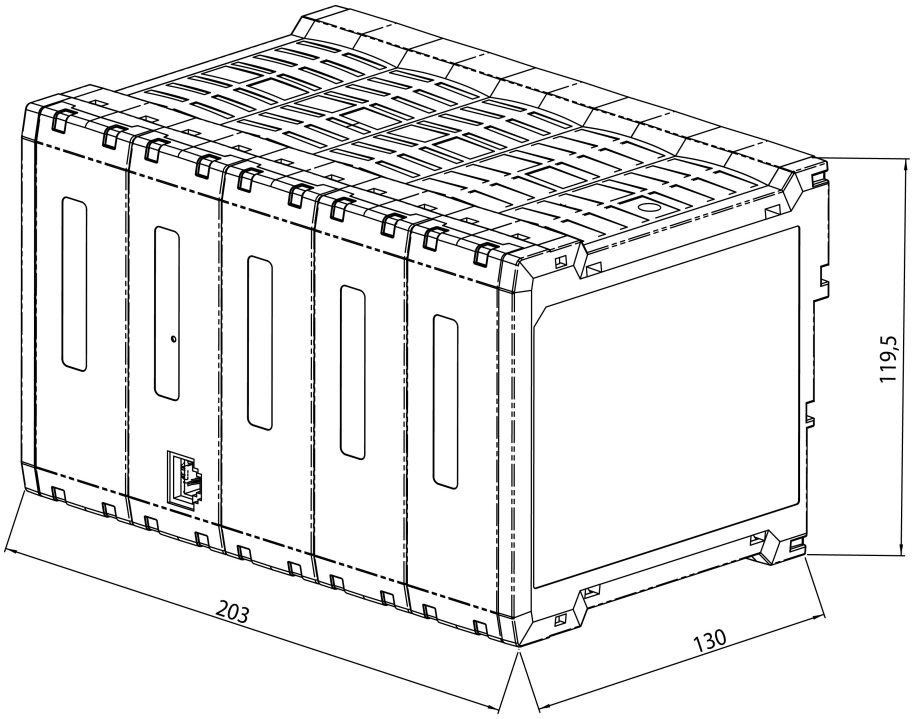
Isolated digital inputs, 10 kV/1 min

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Dimensions



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