



Compact DC-S BASIC

Compact DC-S BASIC, PRIME PLC Concentrator

Code: Q46240.

- > 2nd transformer connection: No
- > Homologation: -
- > Communications: PRIME | 3G
- > Digital inputs: -
- > LV supervisor: No

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 | 10 ... 26 VA |
| Frequency | 50 / 60 Hz |
| Nominal voltage | 110 ... 230 V~ ±20 % |

Mechanical characteristics

| | |
|----------------------------------|-------------------------------|
| Size (mm) width x height x depth | 165 x 120 x 130 (mm) |
| Envelope | Self-extinguishing V0 plastic |
| Fastening | DIN rail |
| Weight (kg) | 0,95 |

Environmental characteristics

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

Voltage measurement circuit

| | |
|---------------------------|------------------------------|
| Frequency measuring range | 45 ... 65 Hz |
| Voltage measuring range | 127/220 ... 230/400 V~ ±20 % |

Communication Network

| | |
|-------------------|-------|
| Technology / Type | 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 | 13 indication LEDs |
|-----|--------------------|

Radio communication -Antenna

| | |
|--|----------------------|
| | SMA female connector |
|--|----------------------|

Radio communication

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



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| CODE | TYPE | 2nd transformer connection | Homologation | Communications | Digital inputs | LV supervisor |
|---------------|---------------------|----------------------------|--------------|----------------|----------------|---------------|
| 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 |
| Q46050. | Compact DC 2 | Yes | Naturgy | PRIME | 4 | 2 |
| Q460B0IB00000 | Compact DC CCT | No | Iberdrola | PRIME | - | 1 |

Isolated digital inputs, 10 kV/1 min



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Dimensions

