



## Compact DC-S SBT

Compact DC-S SBT, Concentrador PLC PRIME

Code: Q46230. DESCATALOGADO

- > Connexió 2n traf: No
- > Homologació: Naturgy
- > Comunicacions: PRIME
- > Entrades digitals: -
- > Supervisor BT: 1

### Descripció

El concentrador **COMPACT DC** és l'equip encarregat de la gestió i lectura de comptadors d'energia trifàsics i monofàsics amb comunicacions PRIME connectats a la mateixa xarxa de baixa tensió.

Típicament ubicat al centre de transformació, el concentrador **COMPACT DC**, permet telegestionar els comptadors, ja sigui llegint la informació que aquests ens proporcionen o bé executant les accions que es poden aplicar sobre aquest tipus d'equips, com ara modificar les tarifes, actuar sobre l'element de tall, etc.

**COMPACT DC** té integrat un comptador trifàsic indirecte, amb funcions de supervisió de baixa tensió segons model.

L'equip disposa de comunicacions PLC PRIME, port Ethernet i entrades digitals.



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## Especificacions

### AC power supply

|                       |                      |
|-----------------------|----------------------|
| Installation category | CAT III 300 V        |
| Consumption           | 7 ... 20 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                         | Plàstic V0 autoextinguible |
| Fastening                        | Carril DIN                 |
| Weight (kg)                      | 1                          |

### Environmental characteristics

|                                          |                 |
|------------------------------------------|-----------------|
| Protection class                         | IP40            |
| Relative humidity (without condensation) | 5 ... 95 %      |
| Storage temperature                      | -30 ... + 80 °C |
| 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~                        |

### Comunicacions xarxa

|                         |       |
|-------------------------|-------|
| Tecnologia / Interfície | 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 |
|-----------|----------------------------------------------------------------------------------------------------|

## User interface

|     |                                                                       |
|-----|-----------------------------------------------------------------------|
| LED | 9 LED de indicación / 1 LED (20000 imp/kWh) / 1 LED (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%          |

## COMPACT DC

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| CODI          | TIPUS                  | Connexió<br>2n trafo | Homologació | Comunicacions | Entrades<br>digitals | Supervisor<br>BT | Connexió<br>2n traf |
|---------------|------------------------|----------------------|-------------|---------------|----------------------|------------------|---------------------|
| Q46274.       | Compact DC-S 3G BAT    | No                   | -           | PRIME   3G    | -                    | 1                |                     |
| Q4628C.       | Compact DC-S MINI      |                      | -           | PRIME         | -                    | No               | No                  |
| Q46210.       | Compact DC-S 3G        |                      | Naturgy     | PRIME   3G    | -                    | 1                | No                  |
| Q46220.       | Compact DC-S 4I        |                      | Naturgy     | PRIME         | 4                    | 1                | No                  |
| Q46230.       | Compact DC-S SBT       |                      | Naturgy     | PRIME         | -                    | 1                | No                  |
| Q46240.       | Compact DC-S BASIC     |                      | -           | PRIME   3G    | -                    | No               | 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           |                      | Naturgy     | PRIME         | 4                    | 2                | Si                  |
| Q46090.       | Compact DC 2 3G        | Si                   | -           | PRIME   3G    | -                    | 2                |                     |
| Q46070IB00000 | Compact DC TGB         |                      | Iberdrola   | PRIME   3G    | -                    | 1                | No                  |
| Q46080IB00000 | Compact DC CCT         |                      | Iberdrola   | PRIME         | -                    | 1                | No                  |

Isolated digital inputs, 10 kV/1 min

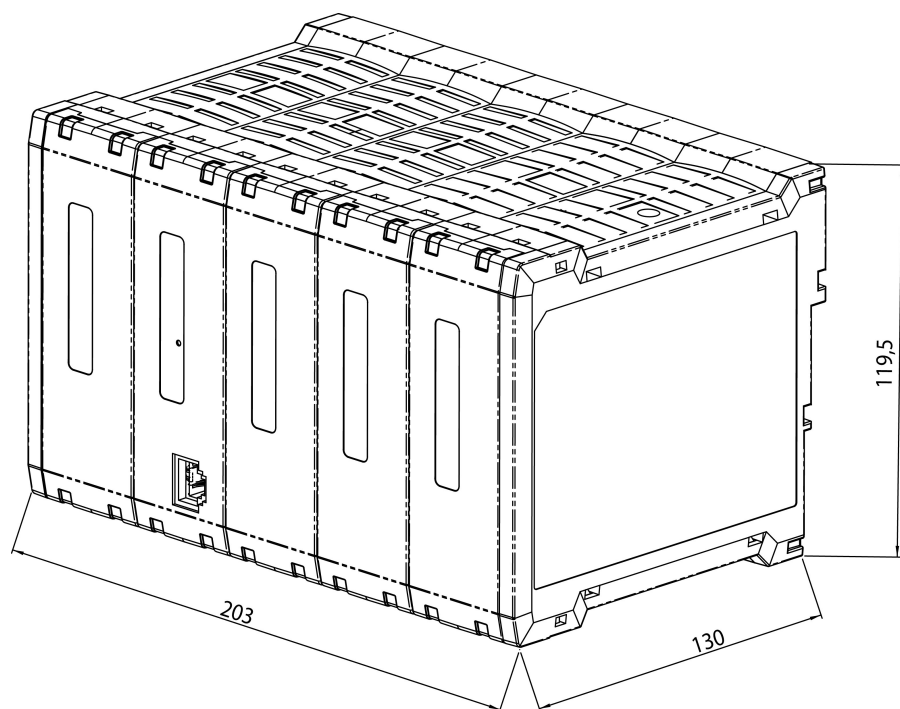


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## Dimensions



ESCALA 1 : 1