



## GEDE EDC-T 4140

GEDE EDC-T 4140, PRIME PLC Concentrator

Code: Q675A0.

- > 2nd transformer connection: No
- > Homologation: Naturgy
- > Communications: PRIME
- > Digital inputs: 4
- > 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.



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### Specifications

#### AC power supply

|                 |                      |
|-----------------|----------------------|
| 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 V0 plastic |
| Fastening                        | DIN rail                      |
| Weight (kg)                      | 1,25                          |

#### Environmental characteristics

|  |                 |
|--|-----------------|
| Protection class                         | IP40            |
| Relative humidity (without condensation) | 5 ... 95 %      |
| Storage temperature                      | -30 ... + 80 °C |
| Operating temperature                    | -25 ... +70 °C  |

#### Current measurement circuit

|                      |     |
|----------------------|-----|
| Nominal current (In) | 5 A |
|----------------------|-----|

#### Voltage measurement circuit

|                                   |         |
|-----------------------------------|---------|
| Maximum input voltage consumption | 0.07 VA |
|-----------------------------------|---------|

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

GEDE EDC  
PRIME PLC Concentrator

| CODE | TYPE | 2nd transformer connection | Homologation | Communications | Digital inputs | LV supervisor |
|------|------|----------------------------|--------------|----------------|----------------|---------------|
|------|------|----------------------------|--------------|----------------|----------------|---------------|



## GEDE EDC-T 4I40

PLC PRIME Concentrator

Code: Q675A0.

| CODE    | TYPE              | 2nd transformer connection | Homologation | Communications | Digital inputs | LV supervisor |
|---------|-------------------|----------------------------|--------------|----------------|----------------|---------------|
| Q67560. | GEDE EDC-T 4G BAT | No                         | -            | PRIME   4G     | -              | 1             |
| Q67000. | GEDE EDC          | No                         | -            | PRIME          | -              | No            |
| Q67550. | GEDE EDC-T 4G     | No                         | Naturgy      | PRIME   4G     | -              | 1             |
| Q67540. | GEDE EDC-T 4I     | No                         | Naturgy      | PRIME          | 4              | 1             |
| Q675A0. | GEDE EDC-T 4I40   | No                         | Naturgy      | PRIME          | 4              | 1             |
| Q67500. | GEDE EDC-T        | No                         | Naturgy      | PRIME          | -              | 1             |
| Q67570. | GEDE EDC-2T       | Yes                        | Naturgy      | PRIME          | 4              | 2             |
| Q67080. | GEDE EDC TGU      | No                         | Iberdrola    | PRIME          | -              | 1             |