

# Line-EDS-cloud

Line-EDS-cloud, Cloud data collection systems (Big Data). Integrates website.

Code: D70050.

> Protocol: Modbus | API's | web
> Generic Modbus: 1
> Integrated Software: API's de: AZURE AWS GOOGLE DEXCELL MyCIRCUTOR SENTILO
> Communications: Ethernet | RS-485 | Bus-Line
> Transistor output: 2
> Mounting: DIN rail

## Description

The **line-EDS-cloud** is a gateway designed to integrate field devices with monitoring and telemanagement systems located in the cloud. This module allows reading the variables from any Modbus device (TCP or RTU) on the market and upload them to cloud platforms, such as AmazonWebServices, Google platform or Azure.

By programming the device, you can incorporate any actuating logic for analogue or digital outputs, allowing you to create an automated management system that performs actions based on the input signals.

The device can be connected via cabled (Ethernet).

## Application

This device can be used to measure and control any installation, integrating it into cloud platforms:

- Azure
- AWS
- Google Cloud
- Cloud API's



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Efficiency Data Server

Code: D70050.

## Specifications

### AC power supply

| | |
|---|---|
| Installation category | CAT III 300 V |
| Consumption | 11 ... 28 VA |
| Frequency | 50 ... 60 Hz |
| Nominal voltage | 120 ... 264 V ~ |

### DC power supply

| | |
|---|---|
| Installation category | CAT III 300 V |
| Consumption | 2.5 ... 7 W |
| Nominal voltage | 190 ... 300 Vdc |

### Mechanical characteristics

| | |
|---|---|
| Size (mm) width x height x depth | 52.5 x 118 x 70 (mm) |
| Envelope | Self-extinguishing V0 plastic |
| Fastening | DIN rail |
| Weight (kg) | 0,18 |

### Environmental characteristics

| | |
|---|---|
| Protection class | IP30, Front: IP40 |
| Relative humidity (without condensation) | 5 ... 95% |
| Storage temperature | -20 ... +80 °C |
| Working temperature | -10 ... +50 °C |

### Standards

| | |
|---|---|
| Certifications | UL 61010-1 |
| Electrical safety, Maximum height (m) | 2000 |
| Standards | UNE-EN 61010-1, UNE-EN 61000-6-2, UNE-EN 61000-6-4, UL 61010-1 |

### Communication Network

| | |
|---|---|
| Connection mechanism | RJ-45 |
| Connection mode | DHCP ON/OFF (ON by default) |
| Protocol | Modbus RTU / Modbus TCP-IP / Web server - MQTT / REST |
| Technology / Interface | Ethernet 10 /100 BT |

### User interface

| | |
|---|---|
| LED | 5 LED |

### Digital transistor outputs

| | |
|---|---|
| Pulse width | 1 ms |



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| | |
|---|---|
| Quantity | 2 |
| Type | Optocoupler NO |
| Maximum frequency | 500 Hz |
| Maximum current | 120 mA |
| Maximum voltage | 48Vcc |

## Serial communication

| | |
|---|---|
| Protocol | Modbus RTU |
| Technology / Type | RS-485 |

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Cloud data collection systems (Big Data). Integrates website.

| CODE | TYPE | Integrated Software | Transistor output | Generic Modbus | Communications | Protocol |
|---|---|---|---|---|---|---|
| D70050. | Line-EDS-cloud | API's de | 2 | 1 | Ethernet \| RS-485 \| Bus-Line | Modbus \| API's \| web |

Bus-Line: RS-485 communications system, with lateral side connector between modules



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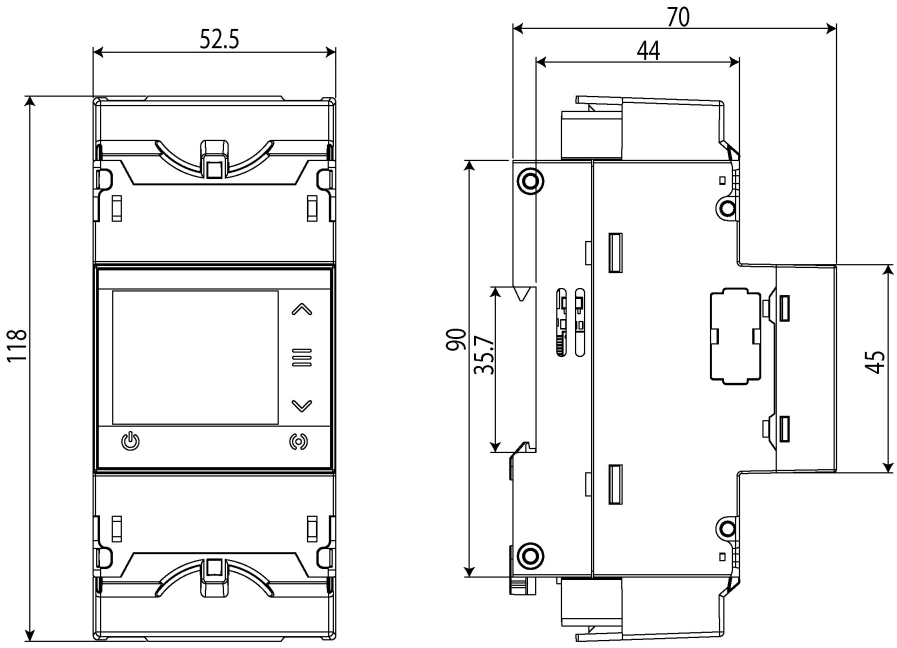


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## Dimensions






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