



Line-EDS-PS, Data collection systems. Integrates WEBSITE.

Code: M61095. DESCATALOGADO

> Protocol: Modbus (Circutor + generic) | XML

> Generic Modbus: 1

> Integrated Software: PowerStudio

> Communications: Ethernet | Wi-Fi | RS-485 | Bus-Line

> Transistor output: 2> Mounting: DIN rail

Description

The Line-EDS-PS is a gateway with PowerStudio embedded. This module, by itself, lets you set up a supervisory and telemanagement (SCADA) system. By using the expansion modules of the line range or any Modbus (TCP or RTU) device on the market, it is able to integrate any process signal that is to be measured.

By programming the device with PowerStudio, 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). The data displays, screens and reports can be accessed via the PowerStudio client or via a web browser thanks to the integrated web server

The Line-EDS-PS device has 2 models with different capabilities:

| | Line-EDS-PS | Line-EDS-PSS PRO |
|------------------------------------------------------|-------------|------------------|
| Customized SCADA displays | - | 5 |
| Customized reports | - | 5 |
| Event scheduling | 10 | 100 |
| Programming of calculated variables | 10 | 40 |
| CIRCUTOR Modbus RTU and TCP slave devices or generic | 5 | 20 |

The **PSS** and **PSS PRO** variants offer the ability to program screens and reports, which allows you to have a SCADA system with a single device, without the need for PCs, servers or licences.

Application

The ease of programming in the PowerStudio environment allows a multitude of applications to be quickly integrated. Some possibilities are listed below by way of example:

- Electricity consumption monitoring system with active alarm management by e-mail (cos φ, maximum power, harmonics, etc.), sectorization of consumption, load management, invoice simulation, allocation of production costs, etc.
- $\circ~$ Efficient management of systems through hourly schedules (HVAC, lighting, etc.)
- Efficient management of HVAC systems by regulating the supply setpoints.
- \circ Control of pumping systems.
- Monitoring of industrial processes.
- $\circ \;\;$ Management of multipoint consumption (electricity, water, gas, etc.)
- $\circ\;$ Analysis of equipment performance (compressed air, HVAC, etc.)







Efficiency Data Server

Code: M61095.

Specifications

| I 300 V 28 VA 60 Hz . 264 V ~ I 300 V 7 W . 300 Vdc x 118 x 70 (mm) extinguishing V0 plastic sil | |
|----------------------------------------------------------------------------------------------------|--|
| 60 Hz . 264 V ~ I 300 V 7 W . 300 Vdc x 118 x 70 (mm) extinguishing V0 plastic | |
| 264 V ~ I 300 V 7 W . 300 Vdc x 118 x 70 (mm) extinguishing V0 plastic | |
| I 300 V 7 W . 300 Vdc x 118 x 70 (mm) extinguishing V0 plastic | |
| 7 W . 300 Vdc x 118 x 70 (mm) extinguishing V0 plastic | |
| 7 W . 300 Vdc x 118 x 70 (mm) extinguishing V0 plastic | |
| x 118 x 70 (mm) extinguishing V0 plastic | |
| x 118 x 70 (mm) extinguishing V0 plastic | |
| extinguishing V0 plastic | |
| extinguishing V0 plastic | |
| | |
| ail | |
| | |
| | |
| | |
| Front: IP40 | |
| 5% | |
| . +80 ℃ | |
| +50 °C | |
| | |
| 010-1 | |
| | |
| EN 61010-1, UNE-EN 61000-6-2, UNE-EN 61000-6-4, UL 61010-1 | |
| | |
| | |
| DHCP ON/OFF (ON by default) | |
| us RTU / Web server - XML | |
| net 10 /100 BT | |
| | |
| | |
| | |
| | |
| b | |







Efficiency Data Server

Code: M61095.

| Quantity | 2 |
|-------------------|------------------------------|
| Туре | Optocoupler (Open-collector) |
| Maximum frequency | 500 Hz |
| Maximum current | 120 mA |
| Maximum voltage | 48Vcc |

Serial communication

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

Wireless communication

| Band | IEEE 802.11 b / g / n |
|-------------------|-----------------------|
| Technology / Type | Wi-Fi |

Line-EDS-PS

Data collection systems. Integrates WEBSITE.

| CODE | TYPE | Integrated Software | Transistor output | Generic Modbus | Communications | Protocol |
|---------|------------------|-----------------------|----------------------|-------------------|------------------------------|-----------------------------------|
| D70005. | Line-EDS-PS | PowerStudio | 2 | 1 | Ethernet RS-485 Bus-Line | Modbus (Circutor + generic) XML |
| D70020. | Line-EDS-PSS PRO | PowerStudio Scada PRO | 2 | 1 | Ethernet RS-485 Bus-Line | Modbus (Circutor + generic) XML |

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







Efficiency Data Server

Code: M61095.

Dimensions





