



Line-EDS-PSS PRO

Line-EDS-PSS PRO, Data collection systems. Integrates WEBSITE.

Code: M61065. CONSULTAR DISPONIBILIDAD

- > Protocol: Modbus (Circuitor + generic) | XML
- > Generic Modbus: 1
- > Integrated Software: PowerStudio Scada PRO
- > 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) or wireless (Wi-Fi) networks. 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.
- Efficient management of systems through hourly schedules (HVAC, lighting, etc.)
- Efficient management of HVAC systems by regulating the supply setpoints.
- Control of pumping systems.
- Monitoring of industrial processes.
- Management of multipoint consumption (electricity, water, gas, etc.)
- Analysis of equipment performance (compressed air, HVAC, etc.)



Line-EDS-PSS PRO

Efficiency Data Server

Code: M61065.

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) | 0,187 |

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 / Web server - XML |
| Technology / Type | Ethernet 10 /100 BT |

User interface

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

Digital transistor outputs

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



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| | |
|-------------------|------------------------------|
| Quantity | 2 |
| Type | 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 |

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

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



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Dimensions

