

PMU-CH8

Multifunctional multimeter for panel

Description

Three-phase power analyzer (balanced and unbalanced) for its assembly on panels with a minimum depth, measuring in 4 quadrants.

Other features:

- Class 0.5 energy
- Current measure .../5
- RS-485 Modbus/RTU Communications
- Instantaneous, maximum and minimum parameter display
- Digital output with optoinsulated transistor
- ITF Technology: Galvanic insulation protection inputs inputs
- Maximeter function (A / A III / kW III / kV-A III)
- Default page selection
- Universal power AC and DC optional



Applications

- Applied to the control of switchboards and low and medium voltage connection points.
- Alarm control, with full programming of the variable controlled, maximum and minimum values and the delay
- Control of active or reactive energy with pulses
- Control of instantaneous, maximum and minimum values of the electrical parameters metered

Technical Features

| | | |
|----------------------|---|--|
| Power supply circuit | Power supply | 85...265 V ac / 95...300 V dc |
| | AC Power supply frequency | 50...60 Hz |
| | Maximum consumption (equipment with communications) | 2,2 W |
| Metering circuit | Nominal voltage | 300 V c.a. (Ph-n) / 520 V c.a. (Ph-Ph) |
| | Frequency | 45...65 Hz |
| | Nominal current | I_n ... / 5 A |
| | Current consumption of the circuit | 0,75 V-A |
| | Overload (permanent) | 1,1 I_n |
| Class/Accuracy | Voltage | 0,5 % \pm 1 digits |
| | Current | 0,5 % \pm 1 digits |
| | Power rating | 1 % \pm 2 digitos |
| | Active energy | Class 1 - EN 62053-21 (*) |
| | Reactive energy | Class 2 - EN 62053-23 (*) |
| Ambient conditions | Operating temperature | -10 ... +50 °C |
| | Relative humidity | 5 ... 95% |
| Output transistor | Optoinsulated (collector open) NPN | |
| | Maximum switching voltage | 24 Vdc |
| | Maximum switching current | 50 mA |
| | Maximum impulse frequency | 5 impulse / s |
| Build features | Duration of the impulse | 100 ms |
| | Type of box | VO self-extinguishing plastic |
| | Degree of protection | Fitted unit (frontal): IP 51 |
| Safety | Dimensions | 96 x 96 x 63 mm |
| | Safety | Designed for CAT III 300/520 Vac installations, in accordance with EN 61010. Double-insulated electric shock protection, class II |
| Standards | IEC 664, VDE 0110, UL 94, IEC 801, IEC 348, IEC 571-1, EN 61000-6-3, EN 61000-6-1, EN 61010-1 | |

(*) in device measurement range

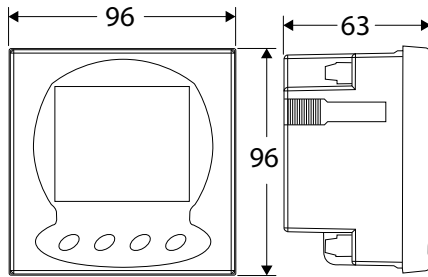
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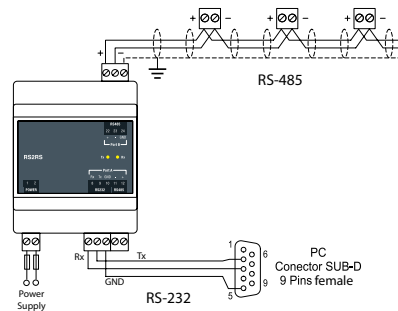
References

| Current input | Outputs | Communication | Type | Code |
|---------------|---------|---------------------|-------------------|---------|
| .../5 A | 1 | RS-485 MODBUS / RTU | PMU-CH8-ITF-485-C | MC10050 |

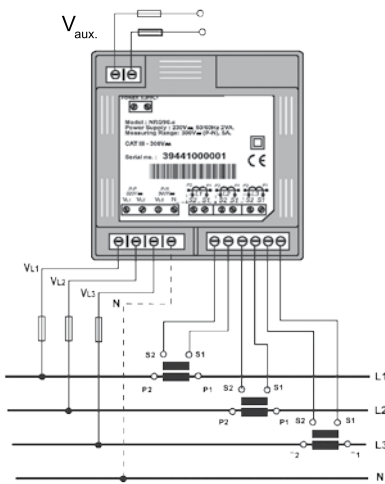
Dimensions



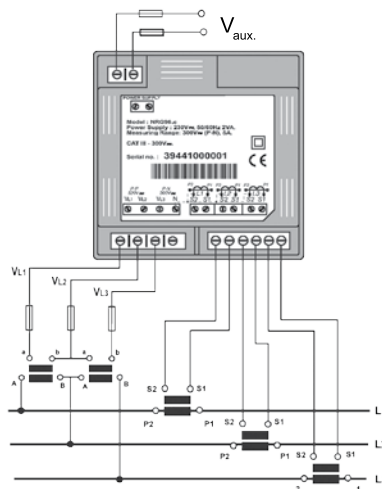
Connections



3 or 4 wires (low voltage)



3 wires (2 Voltage transformers and 3 Current transformers)



3 wires (2 Voltage transformers and 2 Current transformers)

