

WS 0101, WS 0102, WS 1102



► Direct connection 65 A

Application

The WSx30x meters are used for connection with current transformers. Optional also the measurement of apparent energy is possible. Housing is provided with terminals protection covers, which can be seal up against non-authorized access. They are built to be fastened to EN 60715 standard guides. The meters are microprocessor controlled. Display of quantities depends on meters type. They can be displayed on 7 digit electromechanical counter or on LCD display.

According to the customer's demands, meters can be equipped with a RS485 serial communication (option) with the MODBUS protocol, which enables data transmission and thus connection of the measuring places into the network for the control and management with energy. They can also be equipped with tariff input (option). A built-in pulse output (option) is designed for sending data to the devices for checking and monitoring consumed energy.



Features

- Connection with current transformer
- Industrial applications or meters with type approval according to European Directive 2004/22/EC MID (in progress)
- Active energy - class B in compliance with EN 50470-3, class 1 in compliance with EN 62053-21
- Reactive energy - class 2 in compliance with EN 62053-23
- Three-phase connection
- Energy measurement in both direction (import-export)
- Microprocessor control
- 7 digit energy counter (WS0301)
- Double 7 digit energy counter (WS0302)
- LCD 9 digit display (WS1302)
- Tariff inputs (option)
- Communication (option): RS485 (MODBUS protocol)
- Pulse outputs (option)
- Housing for DIN rail mounting
- Protective cover for terminals (possible seal up against non-authorized access)



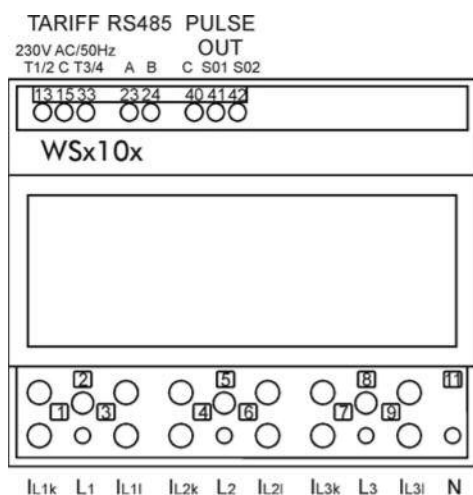
active energy meter



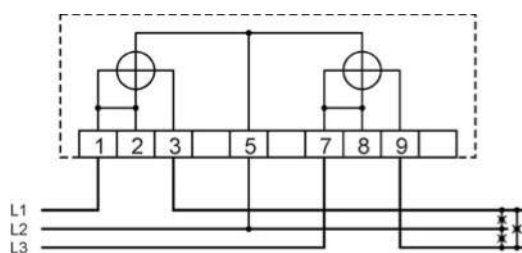
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Connection

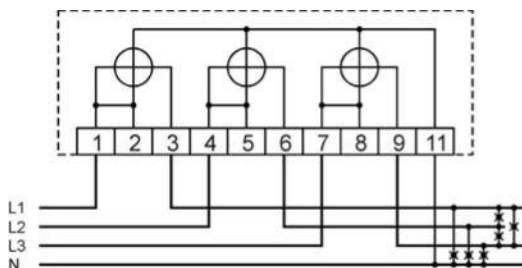
WS 0030 and WS 0031 are electronic three phase active energy meters. Meters measure positive active energy directly in 4- wire networks. There are two versions, one with pulse output (WS 0031) and the other without pulse output (WS 0030). Accuracy of the meters is class 1, according to the standard EN SIST 62053-21 for active energy meter. Meters can be mounted on a DIN-rail (3 pitch).



Picture 1: picture of connection terminals WSx10x



Picture 2: Three phase system
(three wire unbalanced - 3u) WSx10x



Picture 3: Three phase system
(four wire unbalanced - 4u) WSx10x

Overall dimensions

