SENTRON PAC4200

Product Data Sheet

7KM4212-0BA00-2AA0

PAC4200 Three-Phase Power Meter

MEASURING PHASES	LINE-TO-LINE INPUT RATING	LINE-TO-NEUTRAL INPUT RATING	NOMINAL CURRENT INPUTS
3	690 V	400 V	1 A / 5 A

Siemens 7KM4212-0BA00-2AA0 is a SENTRON PAC4200 three-phase power meter with an LCD and ring-lug connection arrangement. It measures electrical quantities including active, reactive and apparent energy, power factor, harmonics and THD. Its input ratings extend to 690 V line-to-line and 400 V line-to-neutral, with nominal 1 A or 5 A current inputs.

01 TECHNICAL DATA

Measuring phases	3
Line-to-line input rating	690 V
Line-to-neutral input rating	400 V
Nominal current inputs	1 A / 5 A
Measurable frequency	45 to 65 Hz
Voltage method	TRMS
Voltage accuracy	+/-0.2%
Current accuracy	+/-0.2%
Power accuracy	+/-0.5%
Active-energy accuracy	Class 0.2 IEC 61557-12 / Class 0.2S IEC 62053-22

02 ADDITIONAL PRODUCT DATA

Harmonic orders	3rd to 31st
Ethernet rates	10 / 100 Mbit/s
Network protocol	Modbus TCP
Digital inputs / outputs	2 / 2
Front protection	IP65

03 PRODUCT FUNCTION

The meter provides Modbus TCP over 10/100 Mbit/s Ethernet and includes two digital inputs and two digital outputs. Voltage and current accuracy are each specified at +/-0.2%, while active-energy accuracy is class 0.2 under IEC 61557-12 or class 0.2S under IEC 62053-22. Additional fieldbus interfaces require the appropriate optional expansion modules.

04 SYSTEM COMPATIBILITY

Configure Modbus TCP addressing and the required registers for the energy-management connection. The integrated Ethernet interface supports 10 and 100 Mbit/s. Treat Modbus RTU, PROFINET and PROFIBUS as optional expansion arrangements rather than functions supplied by every base meter.

05 REFERENCE

Siemens 7KM4212-0BA00-2AA0 official product data; applicable specification pages.

AMIKON PRODUCT SUPPORT

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