Z-LINE
S203T / S203TA

Triple-Phase Network Analyzer / RS485 Modbus

Special modules

CE

▶ INPUT: up to 600 Vac, 5 Arms (S203TA), 100mA (S203T)

▶ OUTPUT: N.1 channel current 0..20, 4..20 mA or voltage 0..5, 0..10 Vdc

▶ INTERFACE:
  - RS485 serial communication with Modbus–RTU protocol
  - Analogue output configurable to Vrms, Irms, Watt (bi-directional), cosΦ

▶ Insertion: single phase, Aron (three-phase with N.2 CT), four wires (three-phase with N.3 CT)

▶ Accuracy: 0,5% (S203TA), 0,2% (S203T)

▶ Galvanic isolation @ 3,75 KV

▶ Din rail mounting

▶ Power supply: 10..40 Vdc, 19..28 Vac

SENECA

TECHNICAL SPECIFICATIONS

S203T / S203TA - Triple-Phase Network Analyzer / RS485 Modbus

SERIAL LINE ACCESSORIES

- K107A – RS485 ↔ RS485 isolator repeater

- K107B – RS232 ↔ RS485 converter

- K107USB (S107USB) – USB ↔ RS485 converters din rail mounting or portable version (S107USB)

ORDER CODE

Cod.

-**S203T (input 100mA, from TA15, TA25, TA100)**

-**S203TA (input 5A)**

Accessories & Software

-TA15: Current transformer (CT) - 15A / 100 mA

-TA25: Current transformer (CT) - 25A / 100 mA

-TA100: Current transformer (CT) - 100A / 100mA

EASY S203 - configuration software downloading from www.seneca.it

GENERAL FEATURES
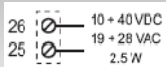
Power supply	10÷40Vdc, 19÷28 Vac		**Design**	Terminal housing for mounting on 35 mm DIN 46277
Channels	single phase, Aron (three-phase with N.2 CT), four wires (three-phase with N.3 CT)		**Data memory**	EEPROM for all configuration data; storage time: 10 years.
Accuracy	- 0,5% (S203TA) - 0,2% (S203T)		**DIP Switch**	- Address setting - Baud rate setting - Selection of insertion type - Selection of 3 phase o 1 phase - Output
Status indicators	- Power - Fail - Communication on Rs485		**Enclosure**	"V0" self-extinguishing glass filled nylon case
Galvanic Isolation	- Input//Power supply and Input/Output at 3750 Vac - others at 1.500 Vac		**Dimensions**	105 x 89 x 60 mm (w x h x d)
			Weight	About 300 g
Hot swapping	Yes		**Operating temperature**	-10..+65 °C
Power consumption	max 2,5 W		**Connections**	Removables 3- way screw terminals, 5,08 mm
Protections for inputs	Against Surges: up to 4kV		**IP Protection**	IP 20
Humidity	30..90% a +40°C (not condensing)		**Standards**	EN61000-6 EN61010-1 EN60742
Response time	400 ms		**Approvals**	CE

INPUT

Voltage: max 600 Vac, 50-60 Hz
Current: 5 Arms (S203TA), 100mA from CT (S203T)
-**Single phase**
-**Aron** (three phase with N.2 CT)
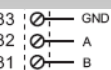-**Four wires** (three-phase with N.3 CT)

INTERFACE / OUTPUT

Rs485 Modbus RTU slave: 1200…115200 baud rate
Analogue output: corresponding at Vrms, Irms, Watt, cosφ
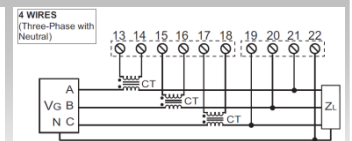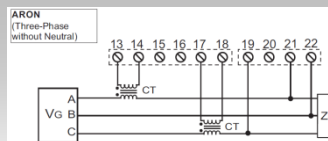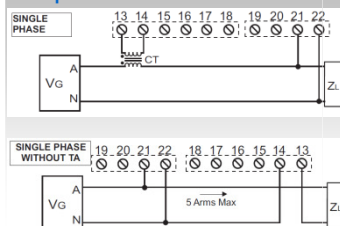
DIMENSIONS AND INSTALLATION