Metrology- 3 phase power meter

Status: Available Data sheet created: 01.07.2025
Item Number: 2800320 - **Serie:** SensAct - **EAN:** 9008662014206



- 3-phase power meter up to 500V P-P and universal transformer inputs with Modbus RTU / RS485 interface,
- measured values: Irms, Vrms, Ipk, Vpk per phase / active power P (W) ges & per phase / reactive power Q (VAR) ges & per phase / apparent power S (VA) ges & per phase/ frequency / power factor ges & per phase / bidirectional energy (kWh) pos. & neg. ; ges & per phase / active & reactive energy measurement (kVARh) ges & per phase / crest factor ges & per phase / Tan?, per phase & average (inductive/capacitive) / power factor average ges & per phase / power factor deviation (inductive/capacitive) per phase & average / THD (V, I)
- Power measurement: min, average & max ges & per phase / phase sequence / max consumption over 15min, ges & per phase / time to max consumption (per month), ges & per phase / time over threshold, ges & per phase / K factor / harmonic analysis up to 63rd / interharmonic analysis up to 63rd / SAG, SWELL and voltage interruption.

Description

Precise and reliable reading of mechanical, electrical and electronic measured values with analogue and digital evaluation options.

General information

Short description	3-ph.powerm.500VAC,univ.I-input ModBus RTU/RS485 HF
Item Number	2800320
EAN	9008662014206
Main category	Measurement Technology
Series	SensAct
Type	S1MMmA500VHM
Design	Installation design
Supply	10 ... 40V DC oder 19 ... 28V AC

Supply circuit

Supply voltage d.c.	10 ... 40 V
Supply voltage a.c.	19 ... 28 V

Ambient conditions and general specifications

Pollution degree	2, pollution level can be increased by installation in suitable enclosures (according to IEC 60664-1)

Logistics

Minimum Quantity	1
Tariff Number	90303370
EAN	9008662014206
Country of Origin	IT
Product Weight (g)	86

Available declarations / conformities

CE	✓
REACH	Open document
WEEE	Open document
TSCA	Open document
RoHs	Open document
CMRT	Open document

Further documents

MODBUS Register S1MMmA500Vxx	Download document

Software

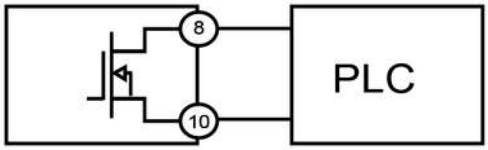
SensAct-Software	Download software

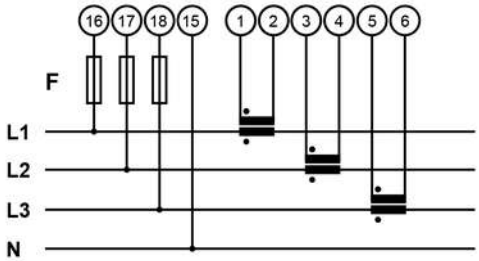
CAD Files

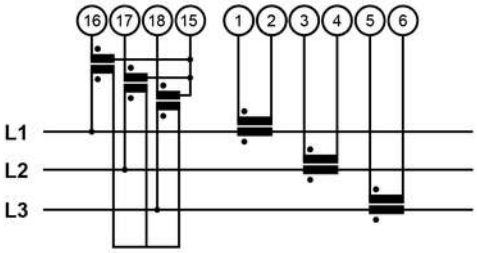
STEP_S1MM_en.stp	Download file

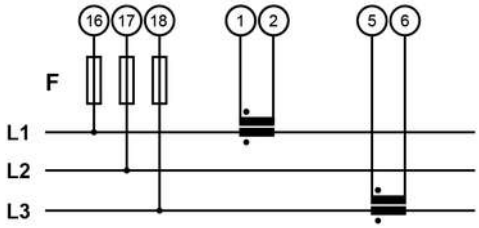
Media & drawings

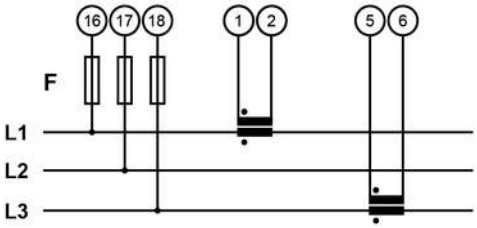


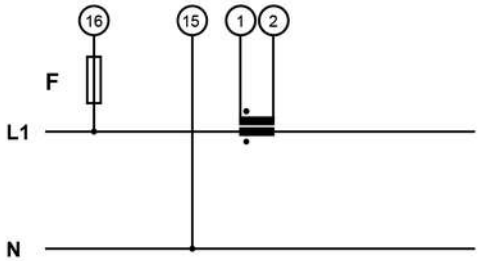


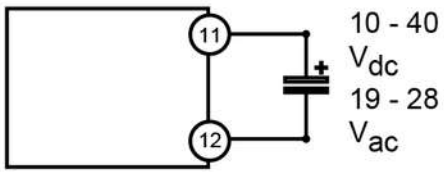


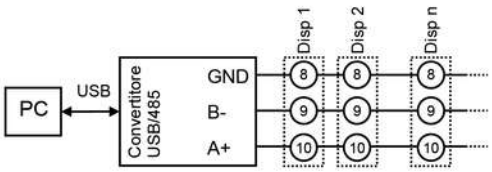


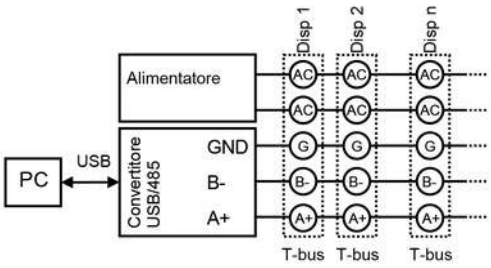












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Changes and errors excepted