

3P ENERGY METER 3X250ACT RS485

- Quick and easy to install
- Compact modern design
- High accuracy monitoring and measurement to IEC 62053-21
- Easy to read and configure
- Options for remote communication



Representative Photo Only
(actual product may vary based on configuration selections)

SPECIFICATIONS

Component Type Metering	Digital Energy / Power Meter
Meter Type(s)	Energy
Measurement parameters	W VAR PF Hz phase sequence VLL VLN A kWh kVARh Trms (V, I)
Display Technology	LCD
Number of Characters	10
Height, Characters	7 mm
Number of DIN Modules	4
Refresh Time	1 s
Input Frequency, Nom	50 / 60 Hz
Input Frequency, Max	65 Hz
Input Frequency, Min	45 Hz
Accuracy, Voltage	0.5 +/- %
Accuracy, Current	1 +/- %
Starting Current	0.1 A
In, Rated Current	20 A
Ie, Rated Operational Current, max	250 A,max
Input Voltage, 1ph, min (rms)	160 V AC min (rms)
Input Voltage, 1ph, max (rms)	260 V AC max (rms)
Input voltage, 3ph, nom (rms)	400 V AC nom (rms)
Input Voltage, 3ph, min (rms)	277 V AC min (rms)
Input Voltage, 3ph, max (rms)	450 V AC max (rms)

Catalogue No: **EM2172RVV53XOSX**

ENERGY METER CURRENT TRANSFORMER 3P 3 x 250A RS485

Energy Management and Building Automation > Energy Management and Metering > Power and Multifunction Meters > Carlo Gavazzi Power and Multifunction Meters > Carlo Gavazzi Energy Meters > EM21 Series



Number of Outputs	1 qty
Output Type	Pulse Output
Communications Protocols	RS-485
Communication Protocol(s)	Modbus RTU (Serial)
Pulse Duration	120 ms
Accuracy Class, kWh, IEC 62053-21	2 IEC 62053-21
Umin, Supply Voltage, AC, Min	18 V AC
Umax, Supply Voltage, AC, Max	260 V AC
Sampling Frequency	1900 Hz
Aux power consumption, AC, max	2 VA
Power Consumption, Max	1 W
Current, Overload Capacity, Continuous	0.36 kA
Dielectric Strength	4000 VAC RMS for 1 minute
Password Protection	Yes
Mounting (Multiple)	Panel Mount DIN-35 Rail Mount
Material, Body / Housing	Nylon / PA6 / PA66 (Polyamide 6) material
Operating Temperature, Min	-20 °C min
Operating Temperature, Max	50 °C max
Storage Temperature, Min	-30 °C min
Storage Temperature, Max	70 °C max
Installation Category	III
Relative humidity, min	0 %RH
Tightening Torque, Min	0.4 Nm
Tightening Torque, Max	0.8 Nm
Terminal Type	Screw Terminal(s)
IP Rating, Front	IP50
IP Rating, Terminals	IP20
Width	72 mm
Height	72 mm
Depth	65 mm
Weight	0.4 kg
Standards Compliance	IEC 60664 IEC 61010-1 IEC 62053-31 EN 60664-1 EN 61010-1 EN 62052-11 EN 62053-23 EN 62053-21 EN 50470-3
Certifications	CE

Catalogue No: **EM2172RVV53XOSX**

ENERGY METER CURRENT TRANSFORMER 3P 3 x 250A RS485

Energy Management and Building Automation > Energy Management and Metering > Power and Multifunction Meters > Carlo Gavazzi Power and Multifunction Meters > Carlo Gavazzi Energy Meters > EM21 Series



REFERENCES

IECEX Certificate -

Supplier Declaration of
Conformity: -

Installation Guide: -

User Manual: -

Manufacturer Datasheet: -

Manufacturer Catalogue
& Product Selection: -