

EM210 ENERGY METER 5A 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
Display Technology	LCD
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	0.5 +/- %
Starting Current	0.01 A
Isn, Secondary Current, Rated	5 A
Isn, Secondary Current, Max	6 A max
Input current (A)	5 A
Un, Nominal Voltage	400 V
Number of Outputs	1 qty
Output Type	Pulse Output
Communication Protocol(s)	Modbus RTU (Serial)
Pulse Duration	100 ms
Details, Output(s)	RS485 Modbus Port
Accuracy Class, kWh, IEC 62053-21	1 IEC 62053-21
Unom, Supply Voltage, AC, Nom	230 V AC
Sampling Frequency	1900 Hz
Power Consumption, Max	1 W
Voltage, Overload, 0.5s (rms)	0.8 kV
Voltage, Overload, Continuous	0.48 kV
Current, Overload Capacity, Continuous	0.006 kA
Current, Overload Capacity, 10s (max)	0.12 kA

Catalogue No: **EM21072DAV53XOSX**

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Energy Management and Building Automation > Energy Management and Metering > Power and Multifunction Meters > Carlo Gavazzi Power and Multifunction Meters > Carlo Gavazzi Energy Meters > EM210 Series



Dielectric Strength	4000 VAC RMS for 1 minute
Ui, Rated Insulation Voltage	4000 V (rms)
Mounting	DIN Rail Monobloc
Material, Body / Housing	Noryl material
Operating Temperature, Min	-25 °C min
Operating Temperature, Max	55 °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
Connection Mode	Direct Connect mode
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	EN 61010-1 EN 62052-11 EN 62053-21 IEC 60664 IEC 61010-1 IEC 62053-31 DIN 43864 EN 60664 EN 50470-3
Certifications	CE C-UR-US

REFERENCES

IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	EM210_Manufacturer Datasheet
Manufacturer Catalogue & Product Selection:	-