Catalogue No: **EM112DINAV01XS1X**

EM112 DIRECT 100A 2 DIN + RS485

Energy Management and Building Automation > Energy Management and Metering > Power and Multifunction Meters >
Carlo Gavazzi Power and Multifunction Meters > Carlo Gavazzi Energy Meters > EM100 Series

NHP

EM112 DIRECT 100A 2 DIN + 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, 8-digit display
Refresh Time	1 s
Number of Tariff Management Inputs	1 input qty
Input Frequency, Nom	50 / 60 Hz
Starting Current	0.04 A
In, Rated Current	5 A
Ie, Rated Operational Current, max	100 A,max
Input current (A)	5 A
Un, Nominal Voltage	230 V
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	4096 Hz
Power Consumption, Max	1 W
Voltage, Overload, 0.5s (rms)	0.46 kV
Voltage, Overload, Continuous	0.276 kV
Current, Overload Capacity, Continuous	0.045 kA
Current, Overload Capacity, 10s (max)	3 kA
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	65 °C max

CARLO GAVAZZI

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Storage Temperature, Min	-30 °C min
Storage Temperature, Max	80 °C max
Installation Category	III
Relative humidity, min	0 %RH
Tightening Torque, Min	0.5 Nm
Tightening Torque, Max	2.8 Nm
Connection Mode	Direct Connect mode
Terminal Type	Screw Terminal(s)
IP Rating, Front	IP51
IP Rating, Terminals	IP20
Width	35 mm
Height	90 mm
Depth	63 mm
Weight	0.16 kg
Standards Compliance	EN 62053-21 EN 62052-11 EN 50470-3
Certifications	CE

REFERENCES

IECEx Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	EM112_Manufacturer Datasheet
Manufacturer Catalogue & Product Selection:	-