

# Catalogue No: **EM24DINAV53DISX26**

## ENERGY METER EM24DIN CT+3 IN+RS485 NMI APPROVED

Energy Management and Building Automation > Energy Management and Metering > Power and Multifunction Meters > Carlo Gavazzi Power and Multifunction Meters > Carlo Gavazzi Energy Meters > EM24 Series



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

### EM24DIN CT + 3 IN + RS485 NMI APPROVED

- 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

#### SPECIFICATIONS

Product Series	EM24 CT Connect
NMI Approved?	Yes
Meter Type(s)	Energy
Measurement parameters	VLN VLL Amaxdmd VA W VAR PF VAdmd Varmaxdmd Wdmd Wmaxdmd phase sequence Hz kWh kVARh Trms (V, I)
Display Technology	LCD
Number of Characters	8
Height, Characters	7 mm
Number of DIN Modules	4
Refresh Time	0.75 s
Number of Tariff Management Inputs	3 input qty
Input Frequency, Nom	50 / 60 Hz
Input Frequency, Max	65 Hz
Input Frequency, Min	45 Hz
Accuracy, Voltage	0.5 +/- %
Accuracy, Current	0.5 +/- %
Isn, Secondary Current, Rated	5 A
Communications Protocols	RS-485
Communication Protocol(s)	Modbus RTU (Serial)



# Catalogue No: **EM24DINAV53DISX26**

## ENERGY METER EM24DIN CT+3 IN+RS485 NMI APPROVED

Energy Management and Building Automation > Energy Management and Metering > Power and Multifunction Meters > Carlo Gavazzi Power and Multifunction Meters > Carlo Gavazzi Energy Meters > EM24 Series



Pulse Duration	120 ms
Accuracy Class, kWh, IEC 62053-21	1 IEC 62053-21
Accuracy Class, kVARh, IEC 62053-23	2 IEC 62053-23
Sampling Frequency	1900 Hz
Dielectric Strength	4000 VAC RMS for 1 minute V AC
Mounting	DIN Rail Monobloc
Password Protection	Yes
Material, Body / Housing	Nylon / PA6 / PA66 (Polyamide 6) 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	1.7 Nm
Tightening Torque, Max	3 Nm
Terminal Type	Screw Terminal(s)
IP Rating, Front	IP50
IP Rating, Terminals	IP20
Width	71.6 mm
Height	90 mm
Depth	66.3 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 50470-3
Certifications	CE C-UL-US

### REFERENCES

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