

# Catalogue No: EM24DINAV53DISX

## EM24DIN CT+ 3 IN + RS485

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



### EM24DIN CT+ 3 IN + 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

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 +/- %
Starting Current	0.01 A
Isn, Secondary Current, Rated	5 A
Isn, Secondary Current, Max	10 A max
Input Voltage, 1ph, min (rms)	160 V AC min (rms)
Input Voltage, 1ph, max (rms)	480 V AC max (rms)



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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)	830 V AC max (rms)
Communications Protocols	RS-485
Communication Protocol(s)	Modbus RTU (Serial)
Pulse Duration	120 ms
Accuracy Class, kWh, IEC 62053-21	1 IEC 62053-21
Accuracy Class, kVARh, IEC 62053-23	2 IEC 62053-23
Umin, Supply Voltage, AC, Min	115 V AC
Umax, Supply Voltage, AC, Max	230 V AC
Sampling Frequency	1900 Hz
Aux power consumption, AC, max	2 VA
Power Consumption, Max	2 W
Dielectric Strength	4000 VAC RMS for 1 minute
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

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#### REFERENCES

IECEX Certificate -

Supplier Declaration of  
Conformity: -

Installation Guide: -

User Manual: -

Manufacturer Datasheet: -

Manufacturer Catalogue  
& Product Selection: -