



Modular LCD
multimeters. non
expandable
DMG210
Three-phase +
neutral
4

Product designation

Product type designation

Type

DIN rail module number

Auxiliary supply Us

Auxiliary rated supply voltage AC	VAC	100...240
Auxiliary rated supply voltage DC	VDC	110...250
Auxiliary operating voltage range	AC	
	min	VAC 85
	Max	VAC 264
	DC	
min	VDC 93.5	
Max	VDC 300	

Operational frequency

min	Hz	45
max	Hz	66

Power consumption

Max	VA	4.5
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Power dissipation Max

W	1.7
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Measuring voltage inputs

Rated voltage (Ue)

phase-phase	VAC	690
phase-neutral	VAC	400

Operating voltage range

phase-phase	VAC	20...830
phase-neutral	VAC	10...480

Voltage inputs operational frequency

min	Hz	45
max	Hz	66

Voltage inputs measurement method

True RMS

Connection method

Single. two.
three-phase with
or without neutral.
balanced three-
phase systems

Current inputs

Rated current (Ie)

A	5
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Measurement range

0.01...6

Measurement method

TRMS

Overload capacity

+20% Ie through
external CT with
5A secondary

Overload peak	A	50A for 1s
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Accuracy

Measurement conditions (T +23°C ±1°C / Rel. Humidity 45 ±15% R.H.)

VLN voltage	±0.5%
VLL voltage	±0.5%
current	±0.5%
frequency	±0.05%
active power	±1%
active energy	Class 1 (IEC/EN 62053-21)
reactive energy	Class 2 (IEC/EN 62053-23)

RS485 serial interface

Baud rate	bps	Programmable 1200...38400
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Insulations

Rated insulation voltage Ui IEC/EN	V	690
Rated impulse withstand voltage Uimp	kV	9.5
Operating frequency withstand voltage	kV	5.2

Mechanical features

Housing type	Polyamide
Terminals type	Fixed

Conductor cross section

min	mm ²	0.2
Max	mm ²	4
min	AWG	24
Max	AWG	12

Tightening torque (Max)

Nm	0.8
lbin	7

Fixing	DIN rail
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Weight	g	300
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Ambient conditions

Temperature

Operating temperature

min	°C	-20
max	°C	+60

Storage temperature

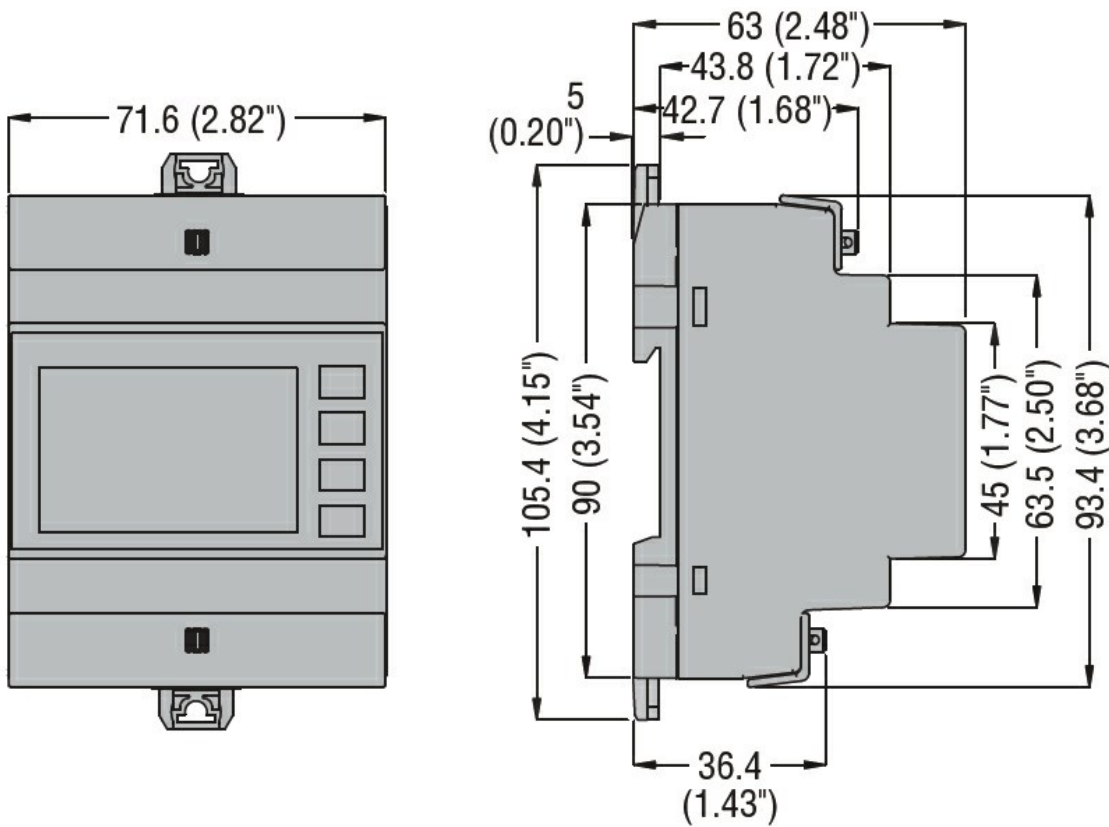
min	°C	-30
max	°C	+80

Relative humidity	%	<90
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Maximum Pollution degree	2
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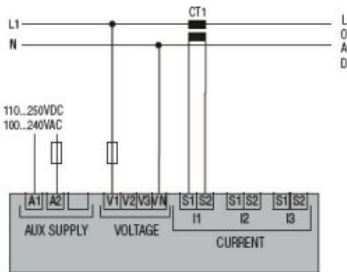
Protection degree	IP30
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Dimensions

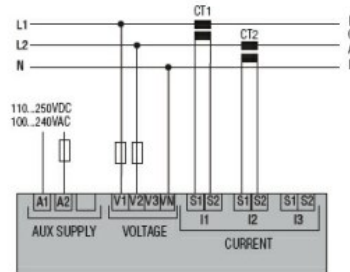


Wiring diagrams

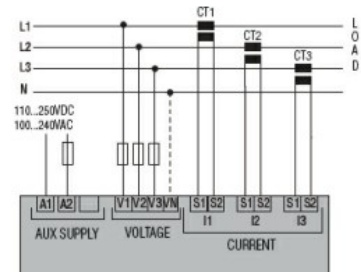
Single-phase



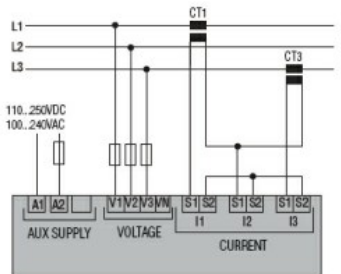
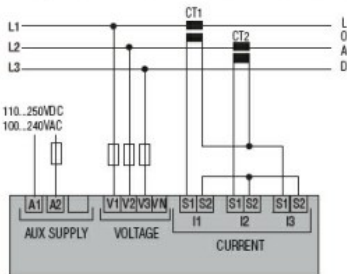
Two-phase



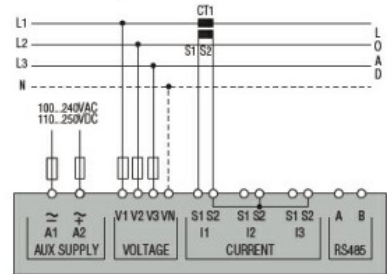
Three-phase with or without neutral



Three-phase without neutral in ARON connection



Balanced 3-phase connection with or without neutral



Certifications and compliance

Compliance

CSA C22.2 n°14

IEC/EN 61000-6-2

IEC/EN 61000-6-4

IEC/EN 61010-1

UL508

Certificates

cULus

EAC

GOST

RCM