

DCP-96 VAC

DCP-96 VAC, Three-phase digital voltmeter

Code: M22410. **DESCATALOGADO**

> Scale: 3 x 230 / 400V
> System: AC
> Paramètre: V, Hz
> Mounting: Pannel
> Modules: 96 x 96

Description

DCP-96 is a new family of panel meters that measure voltage or current (depending on the type) in single-phase and three-phase networks, with or without neutral.
Measurement is performed using true RMS (TRMS), via three AC voltage inputs on voltmeters or three /5A or /1A current inputs on ammeters.
The dimensions are 96x96mm, with a depth of just 41.5mm.
Standard types can be powered by AC (80...270V~) and DC (80...270V dc) systems.
Both also offer the special 18 ... 36V dc power supply option.

Application

Measurement of basic electrical parameters in switchboards and low- and medium-voltage connections where space constraints require installing an accurate, space-saving panel indicactor.

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Panel-mounted digital instruments

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Specifications

AC power supply

Installation category	CAT III 300 V
Consumption	1 ... 4 VA
Frequency	50/60 Hz
Nominal voltage	80 ... 270 Vac

DC power supply

Installation category	CAT III 300 V
Consumption	0.5 ... 0.7 W
Nominal voltage	80...270 Vdc

Mechanical characteristics

Size (mm) width x height x depth	96 x 96 x 41.5 (mm)
Envelope	Polycarbonate + ABS
Weight (kg)	0,3

Environmental characteristics

Protection class	Front: IP54, Rear: IP20
Relative humidity (without condensation)	≤ 95%
Storage temperature	-40... +85 °C
Working temperature	-25 ... +70°C

Voltage measurement circuit

Installation category	CAT III 300 V
Consumption	< 0.2 VA (por fase)
Sampling frequency	45...65 Hz
Input impedance	> 1.7 MΩ
Frequency measuring range	45 ... 65 Hz
Voltage measuring range	45 ... 65 Hz
Nominal voltage	100...277 V~ Ph-N (± 8%)
Maximum permanent measurement voltage	1.2 Un continuous, 2 Un instantaneous (1 min)

Standards

Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300 V
Electrical safety, Contamination level/class	Pollution resistance 2
Standards	IEC 61010-1, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11

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User interface

Keyboard	3 keys
Display type	LCD

Measurement accuracy

Frequency measurement	± 0.01 Hz
Phase voltage measurement	0.2 % (± 1 digit)

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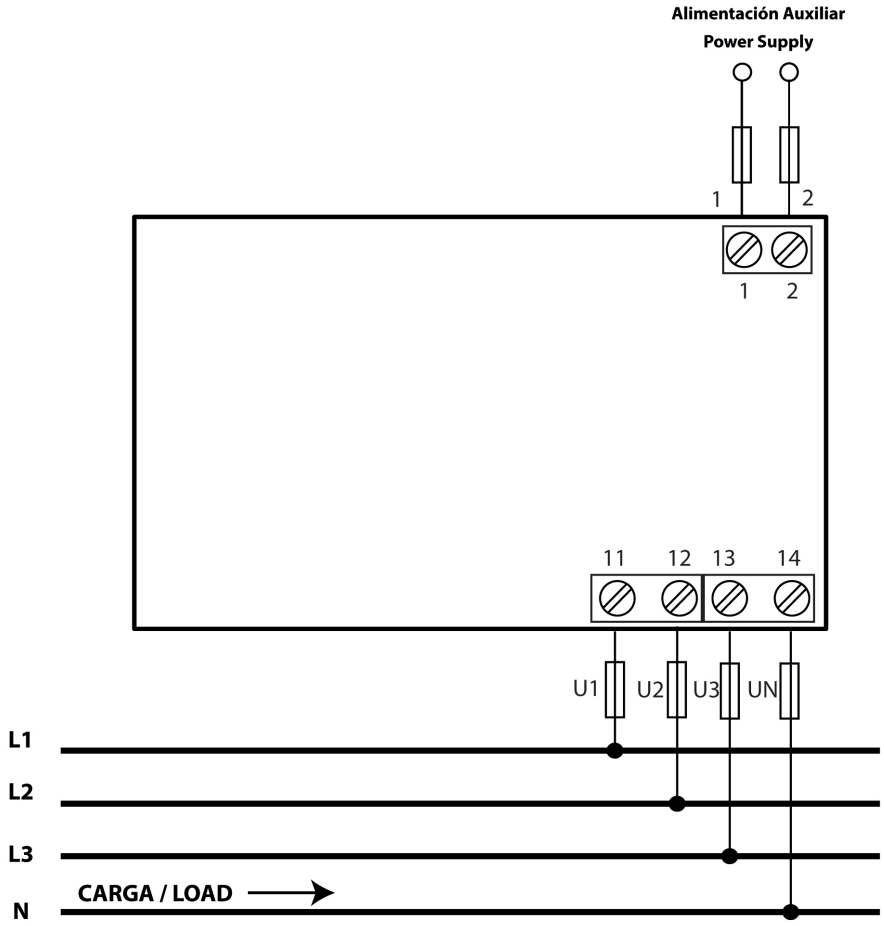
Connections



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