DM45-F

DM45-F, Frequencymeter

Code: M20931. **DESCATALOGADO**

> Nº relays: 1
> System: AC
> Measure: 10 ... 600 Hz
> Paramètre: Frequencymeter
> Mounting: DIN rail

Description

- Electrical parameter indicator equipment
- Its design enables the installation of the unit on small panels
- It measures voltage, current, frequency and harmonic distortion, depending on the type
- Fully sealed
- Fully programmable alarm relay
- Robust and compact
- Stores maximum and minimum values

Application

- Displays one or various electrical parameters of a sub-panel, control process or determined machine.
- Alarm system: the unit's internal relay can act on contactors, sound and/or light devices to carry out a protection or warning operation.

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Specifications

AC power supply

Consumption	5 VA
Frequency	40...70 Hz.
Nominal voltage	115 / 230 Vc.a

Mechanical characteristics

Size (mm) width x height x depth	36 x 85 x 63.8 (mm)
Envelope	Self-extinguishing ABS
Weight (kg)	0,212

Environmental characteristics

Protection class	IP 20 / IP 54 with terminal cover (optional) (for models Ø 85, 100, 116 mm)
Relative humidity (without condensation)	5...95 %
Storage temperature	-40...+70 °C
Operating temperature	-20...+50 °C

Current measurement circuit

Refresh rate	1 lectura/s

Voltage measurement circuit

Consumption	0,6 VA
Frequency measuring range	10...600 Hz.
Maximum permanent measurement voltage	1,05 Vn

User interface

LED	4
Range	Resolución minima 10,0 / Valor máximo 600
Resolution of the display	30
Display type	7 segments (4 digits), red

Standards

Standards	EN 61000-6-3, EN 61000-6-1, IEC 61010-1, IEC 60664

Digital relay outputs

Contact-coil insulation	2000 Vc.a.
Contact-contact insulation	750 Vc.a.
Nominal current	5 Aac
Insulation resistance	> 1000 MΩ
Resistive load (max.)	750 VA

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Maximum open contact voltage	250 Vac

Measurement accuracy

Phase current measurement	± 0,5 % FS (± 1 digit)

DM45
Digital instrument

CODE	TYPE	N° relays	System	Measure	Paramètre
M20901.	DM45-V	1	AC	50...600 Vac	Voltmeter
M20911.	DM45-A	1	AC	... / 5 Aac	Ammeter
M20921.	DM45-AD	1	AC	0,5 ... 30 Aac	Ammeter
M20931.	DM45-F	1	AC	10 ... 600 Hz	Frequencymeter
M20941.	DM45-CM	1	AC	600 Vac / .../5 A /10...600 Hz	Analyzer (V, A, Hz, THD)
M20951.	DM45-CMD	1	AC	600 Vac / .../5 A /10...600 Hz	Analyzer (V, A, Hz, THD)

Other information of interest: Size: 2 modules

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Dimensions

Connections

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