



DM45-F

DM45-F, Frequencymeter

Code: M20931. DESCATALOGADO

- > N° 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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Digital instruments, DIN rail

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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 |
| Working 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 mínima 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

$\pm 0,5 \% \text{ FS } (\pm 1 \text{ digit})$

Other information of interest: Size: 2 modules



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Dimensions

Connections

