DM45-AD

DM45-AD, Ammeter

Code: M20921.   DESCATALOGADO

> N° relays: 1
> System: AC
> Measure: 0,5 ... 30 Aac
> Paramètre: Ammeter
> 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)	0,194

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

Allowable overload	1,2 In permanent
Refresh rate	1 lectura/s
Maximum current	30 Ac.a.
Minimum current measurement	0,5 Aac
Resolution	10 bits

Voltage measurement circuit

Consumption	0,6 VA

User interface

LED	4
Range	0,000...9999
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

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Insulation resistance	> 1000 MΩ
Resistive load (max.)	750 VA
Maximum open contact voltage	250 Vac

Measurement accuracy

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

Other information of interest: Size: 2 modules

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Page 3 of 4

DM45-AD

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Code: M20921.

Dimensions

Connections