DM45-V

DM45-V, Voltmeter

Code: M20901. **DESCATALOGADO**

> Nº relays: 1
> System: AC
> Measure: 50...600 Vac
> Paramètre: Voltmeter
> 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.

Creation date: 13/03/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.

DM45-V

Digital instruments, DIN rail

Code: M20901.

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)	0,195

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

Voltage measurement circuit

Consumption	0,6 VA
Maximum permanent measurement voltage	1,05 Vn
Minimum measurement voltage (Vstart)	50 Vac
Maximum value	600 Vc.a.

User interface

LED	4
Range	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
Maximum open contact voltage	250 Vac

Creation date: 13/03/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.

DM45-V

Digital instruments, DIN rail

Code: M20901.

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

Creation date: 13/03/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.

DM45-V

Digital instruments, DIN rail

Code: M20901.

Dimensions

Connections

Creation date: 13/03/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.