

# DIN rail digital ammeters, voltmeter and frequency meter



AMP.



VLT.



FRE.

## Function

### AMP

Ammeters measure in amps the current flowing through an electric circuit.

### VLT

Voltmeters measure in volts the potential (voltage) difference of an electric circuit.

### FRE

The frequency meter measures in hertz the frequency of an electric circuit from 20 to 600 V AC.

## Common technical data

- Supply voltage: 230 V.
- Operating frequency: 50/60 Hz.
- Display by red LED: 3 digits, h = 8 mm.
- Accuracy at full-scale : 0.5 % ±1 digit.
- Consumption: max. 5 VA or rated 2.5 VA.
- Degree of protection:
  - IP40 on front face
  - IP20 at terminal level.
- Connection: tunnel terminals for 2.5 mm<sup>2</sup> cables.

## Specific data

### 10 A direct reading ammeter

- Minimum value measured: 4 % of rating.
- Measurement input consumption: 1 VA.

### Multi-rating ammeter

- Ratings:
  - in direct reading: 5 A
  - by CT (not supplied) configurable on the front face of the ammeter: 10, 15, 20, 25, 40, 50, 60, 100, 150, 200, 250, 400, 500, 600, 800, 1000, 1500, 2000, 2500, 4000, 5000 A.
- Minimum value measured: 4 % of rating.
- Measurement input consumption: 0.55 VA.

### Voltmeter

- Direct measurement: 0...600 V.
- Input impedance: 2 MΩ.
- Minimum value measured: 4 % of rating.

### Frequency meter

- Minimum value measured: 20 Hz.
- Maximum value measured: 100 Hz.
- Full-scale display: 99.9 Hz.

### Compliance with standards

- Safety: IEC/EN 61010-1.
- EMC electromagnetic compatibility: IEC/EN 65081-1 and IEC/EN 65082-2.

## Catalogue numbers

Type	Scale	Connection with CT	Width in mod. of 9 mm	Cat. no.
Direct reading AMP	0-10 A	No	4	15202
	0-5000 A	As per rating	4	15209
VLT	0-600 V		4	15201
	20-100 Hz		4	15208