



Functions

The **MULTIS L72** is a digital LV three-phase measurement device. It displays simultaneously on the 3 phases the most frequent values for an electrical installation or for monitoring generator sets.

Conformity to standards

- IEC 61000-4-2
- IEC 61000-4-3
- IEC 61000-4-4
- IEC 61000-4-5
- IEC 61000-4-6
- IEC 61000-4-8
- IEC 61000-4-11
- EN 55022 class B

MULTIS L72

1. 3-line LED display 4 digits 7 segments.
2. Selection of measurements (U, V, I and I_0 , f and h).
3. Selection of the type of value required (instant, average or max.)
4. Zero reset for max. values.
5. LEDs indicating type of value:
 - OFF = instantaneous,
 - AVG ON = average,
 - MAX ON = maximum.
6. Measured values indicator LED.

General features

Display	MULTIS L72
Instantaneous values	U + V + I + I_0 + F
Average values	U + V + I
Max values	U + I + I_0
Hours run	

This product is configurable (CT ratio, type of network and max current, integration period).

Reference

Function	MULTIS L72
Instantaneous values, average and maximum	Reference 192J 8100



Electrical characteristics

Current measurement (TRMS)

Type	non insulated
CT primary	5 ... 8000 A
CT Secondary	5 A
Input consumption	≤ 0.5 VA
Sustained overload	1.2 I _n
Intermittent overload	10 I _n / 1s

Voltage measurements (TRMS)

Measurement range	35 ... 480 VAC
Input consumption	≤ 0.5 VA
Sustained overload	1.2 U _n
Insulation voltage	2.5 kV

Frequency measurement

Measurement range	40 ... 80 Hz
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Accuracy

Voltage - current	0.5% ± 1 Digit (45 ... 65 Hz)
Frequency	± 0.2 Hz

Hours run

Max. value	999 999.9 h
Resolution	0.1 h

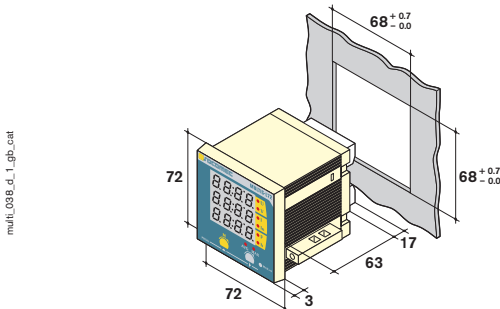
Power supply

Auxiliary power supply	230 / 400 VAC
Tolerance	± 20%

Operating conditions

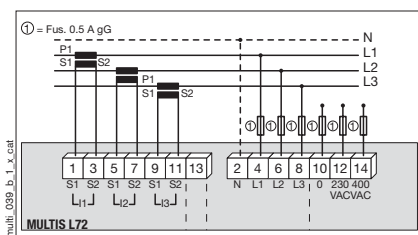
Operating temperature	-15 ... +50 °C
Storage temperature	-20 ... +70 °C
Relative humidity	95%

Overall dimensions



Type	panel mounting
Dimensions W x H x D	72 x 72 x 83 mm
Case protection rating	IP20
Front protection rating	IP54
Display type	led 7 segments
Terminal block type	disconnectable
Rigid cable connection section	≤ 2.5 mm ²
Flexible cable connection section	≤ 2.5 mm ²
Weight	250 g

Terminals



1 and 3: current input phase 1
5 and 7: current input phase 2
9 and 11: current input phase 3
13: not used

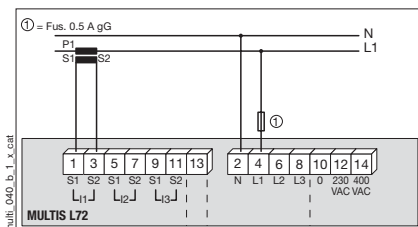
2 - 4 - 6 - 8: network voltage inputs
10: power supply or self-supplied
10 - 12: power supply or self-supplied 230 VAC
10 - 14: power supply or self-supplied 400 VAC

Do not connect the CT secondary to the earth

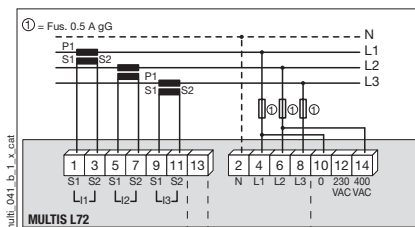
Connections

Self-supplied

• Single phase 230 VAC



• Three-phase 230 / 400 VAC



• Three-phase 135 / 230 VAC

