

Overload Withstand :

Voltage	2 X Rated Value for 1 Second, repeated 10 times at 10 second interval.
Current	4 X Rated Value for 1 Second, repeated 5 times at 5 min interval.

Operating Measuring Ranges

Voltage Range	10 ... 120 % of Rated Value
Current Range	10 ... 120 % of Rated Value (Optional: 10 ... 150 % of Rated Value)
Frequency	45 ... 65 Hz

Reference conditions for Accuracy :

Reference temperature	23 °C ± 2 °C
Input waveform	Sinusoidal (distortion factor 0.005)
Auxiliary supply voltage	Rated Value ± 1 %
Auxiliary supply frequency	Rated Value ± 1 %
Input Frequency	50 Hz / 60 Hz
Voltage Range	20...100% of Nominal Value
Current Range	10...100% of Nominal Value

Accuracy

Voltage (3V / 1V)	± 1.0% or 0.5% of Nominal value.
Current (3A / 1A)	± 1.0% or 0.5% of Nominal value.

Measurement error is normally much less than errors specified in the above. Variation due to influence quantity is less than twice the error allowed for reference condition.

Temperature Coefficient

Voltage 0.025% / °C

Current 0.05% / °C

(For Rated value range of use 0... 50 °C)

Display

LED 1 line 4 digits, red color

Digit height 14mm

Annunciator LEDs For Displaying Units and Parameter

Controls

User Interface 2 Keys

Applicable Standards

EMC IEC 61326-1:2005
10V/m min-Level 3 industrial low level
Electromagnetic radiation environment

Safety IEC 61010-1: 2001,Permantly Connected use

IP for water & dust IEC 60529

Safety

Pollution Degree 2

Installation Category III

High Voltage Test according to PN-EN 61010-1:2011

- for 1V version with input 600V 3.31 kV AC r.m.s., 50 Hz for 1 minute

- for other versions and inputs 2.2 kV AC r.m.s., 50 Hz for 1 minute

Environmental conditions

Operating temperature	0 to 50 °C
Storage temperature	-25 to 70 °C
Relative humidity	0 .. 90 % (Non condensing)
Warm up time	Minimum 3 minute
Shock	15g in 3 planes
Vibration	10 .. 55 Hz, 0.15mm amplitude

Enclosure

Front	IP50
Front with seal(option)	IP65
Back	IP20
Material	Polycarbonate Housing ,
Terminals	Screw-type terminals

Dimension and weight:

	96x96 models	48x96 models
Bezel Size	96mm X 96mm (DIN 43718)	48mm X 96mm
Panel Cut-Out	92 + 0.8mm X 92 + 0.8mm	43.5 + 0.6mm X 92 + 0.8mm
Overall Depth	40mm	68mm
Weight	310g Approx.	250g Approx.

The Information contained in these installation instructions is for use only by installers trained to make electrical power installations and is intended to describe the correct method of installation for this product. However, Manufacturer has no control over the field condition which influence product installation.

It is the user's responsibility to determine the suitability of the installation method in the user's field conditions. Manufacturer only obligations are those in Manufacturer standard Conditions of Sale for this product and in no case will Manufacturer be liable for any other Incidental, indirect or consequential damages arising from the use or misuse of the products.