OP912-V02

selec

MVA591
Operating Instructions



SPECIFICATIONS

Description	: 1Ø Digital Panel Meter
Display	: 3+3 digit 7 Segment LED Display
Wiring input	: 1Ø-2 wire
Rated input voltage	: 230V AC , (±20%) Installation category III
Frequency range	: 50Hz (±5%)
Max. continuous Over range indication	: "OVR" for input > 300VAC & 120% of rated input current
Burden	: 0.5VA
Accuracy	
Voltage	: ±1% of Full Scale
Current	: ±1% of Full Scale
Resolution	
Voltage	: 1V
Current	: 0.1A
Power Consumption	: Max 15VA @ 230V AC
Weight	: 84gms
Mounting	: Panel Mounting
Environmental Conditions	
- Indoor use - Altitude of up to 2000 meters - Pollution degree II	
Temperature	: Operating:-10°C to 55°C Storage : -25°C to 70°C
Ingress protection	: IP54
Insulation class	: Protective class II
Humidity	: 95%(non-condensing)

ORDER CODE INFORMATION

Product	Rated input current	Certification
MVA591-30A-230V	Nominal 30A (Min-1A,Max-36A)	- - -
MVA591-80A-230V	Nominal 80A (Min-4A,Max-96A)	- - -

SAFETY PRECAUTIONS

All safety related codifications, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If the equipment is not used in a manner specified by the manufacturer it might impair the protection provided by the equipment.

• Do not use the equipment if there is any mechanical damage.

• Ensure that the equipment is supplied with correct voltage.

⚠ CAUTION :

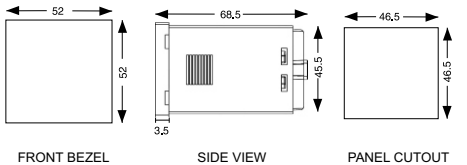
1. Read complete instructions prior to installation and operation of the unit.
2. Risk of electric shock.
3. The equipment in its installed state, must not come in close proximity to any heating sources, caustic vapors, oils, steam or other unwanted process by the products.

MECHANICAL INSTALLATION

For installing the meter :

1. Prepare the panel cut out with proper dimension as shown below.

OUTLINE DIMENSIONS (in mm)



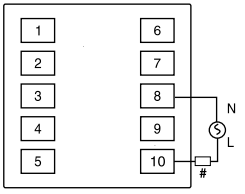
2. Push the meter into the panel cutout. Secure the meter in its place by pushing the clamp on the rear side. The clamps must be secured in diagonally opposite slots.

3. For proper sealing, tighten the screws evenly with required torque.
Terminal screw tightening torque : 0.5 N-m
(4.425 Lb- inch)

MAINTENANCE

1. The equipment should be cleaned regularly to avoid blockage of ventilating parts.
2. Clean the equipment with a clean dry or damp cloth.
Do not use any cleaning agent other than water.

TERMINAL CONNECTIONS



All fuse types : 0.5A class CC UL type
0.5A fast acting 600V

(Specifications are subject to change, since development is a continuous process.)

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