SAFETY NOTES

DANGER

HAZARD OF ELECTRICAL SHOCK, EXPLOSION OR ARC FLASH
Apparatus applies personal protective equipment (PPE) when testing, analyzing or servicing equipment. (PAT TESTING, CALIBRATION, ELECTRICITY, TESTING, 18, SELV, IEC 61010, EN 61010).

This equipment must only be installed and serviced by qualified personnel.

Ensure correct polarisation and cabling.

The product is not suitable for installation applications, within the meaning of EN61800-5-2. Turn off all power supplies when the equipment is not in use.

Always use a properly rated voltage sensing device to confirm power is off.

The unit must not be installed or cabinets connected to the protective earth.

Electrical conductivity protection must be excluded from the cabinet at which the product is installed.

Do not open the cabinet when the product is powered on.

The relay output and the fuse holders contacts are compliant to the SELV requirements; they can be connected to SELV or to voltage up to 230V (maximum value of rated operational voltage to earth 230V).

Failure to follow these instructions will result in death or serious injury.

Electrical Installation

Connections are considered better for quick reference—Do not attempt electrical installation without referring to the EPack Controller User Guide HA032906ENG, Epack 3 Electric Power Controller, for full details.

Supply and Load Wiring

1 A 1 kΩ resistor in parallel with the 3S load type with Current limit function by phase angle reduction activated on product, the resistor may change the actual output. The resistor may be necessary to achieve the desired phase shift to the load. The resistor must be of the recommended type. The purchase of the product does not include the resistor as standard.

Failure to follow these instructions will result in death or serious injury.

I/O Wiring

To avoid electrical shock, overvoltage, and damage to EPack products, observe all electrostatic discharge precautions before handling the unit.

The unit must be installed in an enclosure or cabinet connected to the protective earth ground.

If opening of either the branch circuit protective device or the high-speed fuses (supplemental fuses in addition to branch circuit protective device), as listed in NFPA70E, the system must be considered open circuit or isolated.

Failure to follow these instructions will result in death or serious injury.

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HOT SURFACE RISK OF BURNS

Protective equipment must be sized in compliance with local and national regulatory requirements. Supply the unit with a protective conductor.

Heat-sink must be cleaned regularly. Periodicity depends on the local environment, but should not exceed 1 year.

Failure to follow these instructions will result in death or serious injury.

EPack™ 3 Phase Power Controller

DANGER

HAZARD OF ELECTRICAL SHOCK, EXPLOSION OR ARC FLASH

Low-voltage power supplies are required to ensure the safe use of the product. The relay output and the fuse holders contacts are compliant to the SELV requirements; they can be connected to SELV or to voltage up to 230V (maximum value of rated operational voltage to earth 230V).

Failure to follow these instructions will result in death or serious injury.

EPower, EPack, nanodac, piccolo, versadac, optivis, Foxboro and Wonderware are trademarks of Schneider Electric, its subsidiaries and affiliates. All other brands may be trademarks of their respective owners.
This product is designed and produced to comply with:

One or more of the symbols below may appear as part of the instrument labelling.

Symbols

- AC supply only
- For outdoor use only
- Do not disassemble
- Do not use

Regulatory compliance mark (RCM) to Australian Communications and Media Authority

China RoHS mark for Canada and US

China Compulsory Certification (CCC) mark for China

EMC Standards

IEC 61000-4-4:2014
IEC 61000-4-5:2014
IEC 61000-4-6:2014
IEC 61000-4-21:2014
EN 61000-6-4:2014
EN 61000-6-2:2014
EN 61000-6-1:2001

Power (at 45°C)

- Power (at 45°C)
- Low-voltage switchgear and controlgear - Part 4-3: Contactors and motor-starters - AC semiconductor controllers and contactors for non-motor loads
- Low-voltage switchgear and controlgear - Part 4-1: Low-voltage switchgear and controlgear - Part 4-1: Voltages range Load 100 to 500V (+10% -15%)
- EN60947-4-3:2014.

Environment

- Environment
- Storage: -25°C to 70°C
- Degree of protection (CE) All units IP 20 (EN60529)
- DI Vibration (EN60068-2-6) According to EN60068-2-27 and IEC60947-1 (Annex Q, Category 4)
- Pollution degree Pollution degree 2
- Utilization Utilization Category 3 - Communication
- Utilization Utilization Category 4 - Communications Wiring

Components

- Display 1.5" square TFT colour display allowing viewing of selected parameter value in real time, plus configuration of instrument parameters for users with adequate access permission
- Pushbuttons Four push buttons provide page and item entry and scroll facilities

Mechanical Installation

- Product dimensions are summarised below for quick reference—Do not attempt mechanical installation without referring to the EPack Controller User Guide HA032713 for full details.
- The diagram below shows a 63A EPack (doors open), other low current units are similar—refer to Table 1 for dimensions.

<table>
<thead>
<tr>
<th>Label</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>16–32A</td>
</tr>
<tr>
<td>B</td>
<td>40–63A</td>
</tr>
<tr>
<td>C</td>
<td>80–100A</td>
</tr>
<tr>
<td>D</td>
<td>125A</td>
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<tr>
<td>E</td>
<td>Height</td>
</tr>
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<td>L</td>
<td>Height</td>
</tr>
<tr>
<td>M</td>
<td>Width</td>
</tr>
</tbody>
</table>

Mounting

- The EPack must be mounted inside a suitable fan-cooled cabinet as stipulated in the EPack Controller User Guide HA032713.
- Within the cabinet, the following mounting options are possible (refer to HA032713 for detailed instructions).
  - Low current units (16A to 50A) may be mounted on two horizontal, parallel 7.5 mm or 15mm DIN rail, or wall-mounted on a bulkhead by using the supplied upper mounting bracket (which features a single mounting hole)
  - High current units (63A to 125A) may be wall-mounted on a bulkhead. The upper mounting bracket features two mounting holes (see entry K in Table 1)