

1. Important safety Instructions

Save this Manual! It contains important safety instructions.

INSTRUCTIONS IMPORTANTES CONCERNANT LA SECURITE

CONSERVER CES INSTRUCTIONS.
CETTE NOTICE CONTIENT DES
INSTRUCTIONS IMPORTANTES
CONCERNANT LA SECURITE.

- **WARNING:** Risk of Fire or Shock, install according to NEC article 690, in enclosure rated NEMA 3R or better.
- **CAUTION:** Risk of electric shock. Do not expose unit to moisture.
- **ATTENTION:** CONSULTEZ LA NOTICE TECHNIQUE POUR LES CONDITIONS DU MILIEU.
- **WARNING:** Risk of electric shock or fire. There are no user-serviceable or field-reparable parts in this unit. Do not disassemble. Return to Tamura-certified repair facility when service required.

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2. Specifications

Component Power Supply
Tamura Model : TCDC7001
Input 200Vdc-600Vdc / 150mA - 50mA
Output 24Vdc / 1.0A
Max Internal Ambient +50°C
Min Internal Ambient -20°C
Max Continuous Output Fault Current 1.5A
Max Continuous Input S/C Current 1.6A
NRTL/SCC certifications to following:
UL1741
UL1012
CSA C22.2 No.107.1

3. Installation

General Requirements

- Wiring methods shall be in accordance with CEC part I or NEC article 690.
- Input wires shall be suitable for at least 75°C and Max PV string voltage. Use copper conductor cables only for input and output wiring.
EMPLOYER DES FILS POUR AU MOINS 75°C
- Output should not be referenced to ground
- Not intended to be connected with a battery.
**Installation details more on p.3*
**Please see backside for diagram*

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Model
TCDC-7001
Item# 41380

3. Installation (continued)

- Intended to be mounted on DIN rail only.
- Minimum source wire ampacity 0.5A (note min. PV S/C rating)
- Input shall be connected to max 30A current interrupt device.
- Not for use within PV panel
- Internal current interrupt device on + input only. Connect input marked positive (+) to current interrupt device rated 30A or less.
- Current interrupt device in series with conductor connected to input marked negative (-) is not recommended.
- *AVE PROTECTION INTEGRALE CONTRE LES SURCHARGES.*
- **NOT SUITABLE FOR BATTERY CHARGING.**
- *NE CONVIENT PAS A LA RECHARGE DES BATTERIES.*
- Plastic base of unit intended to be installed on 35mm (IEC 60715) DIN rail.
- Spacings from input terminals to other conductive materials should be maintained after installation.
- Spacings from vent openings in plastic cover to other conduction surfaces should not be less than 12mm.
- Terminal ring of fork lugs rated for the conductor material and electrical ratings shall be used. Connector terminals not suitable for bare wire.

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4. Operating Instructions

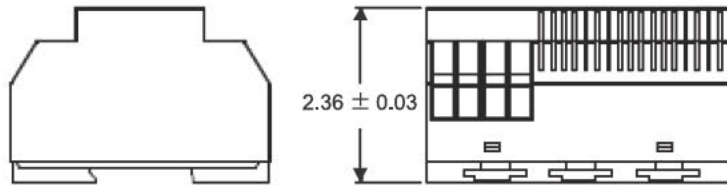
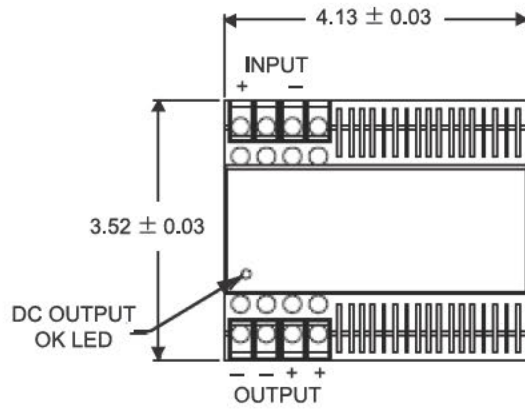
- After proper installation and application of rated input power, the green LED on top of case will illuminate within 5 seconds to indicate DC output ok.
- If the output is over-loaded or the output exceeds the regulation limit, the unit will extinguish the green LED indicator and shut down. Input power must be disconnected for at least 30 seconds to clear the fault condition before the unit is re-connected to input power.

5. Warranty and Contact Info

Tamura Corporation of America
1040 South Andreasen Drive Ste. 100
Escondido, CA 92029
951.699.1270
www.tamuracorp.com

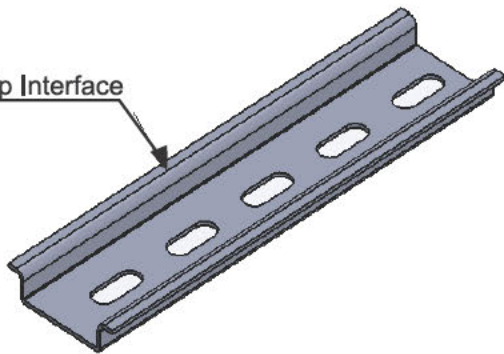
Tamura Corp. of America warrants each product of its manufacture that does not perform to the agreed upon specification as a result of defective material and/or workmanship, for a period of one(1) full year from the date of shipment to the original purchaser.
**Please refer to www.tamuracorp.com website for full details on warranty coverage*

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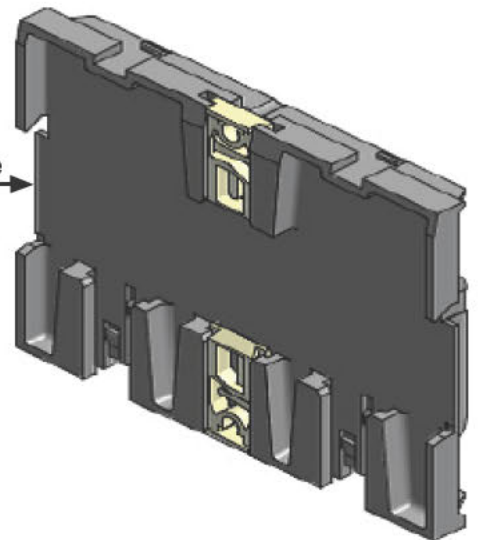


Model
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Full Seated Clip Interface



DIN Rail Interface



Standard 35mm DIN Rail