

## PRODUCT-DETAILS

# CP-E 48/5.0

CP-E 48/5.0 Power supply In:115/230VAC Out: 48VDC/5A



## General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | CP-E 48/5.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product ID            | 1SVR427034R2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| EAN                   | 4016779669726                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Catalog Description   | CP-E 48/5.0 Power supply In:115/230VAC Out: 48VDC/5A                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Long Description      | The CP-E 48/5.0 is a power supply from the CP-E range. The primary switch mode power supply offers a wide range input of 90-132 V AC, 180-264 V AC and 210-375 V DC, rated input voltage is 115 or 230 V AC (auto select). The rated output power is 240 W, rated output current is 5 A at an output voltage of 48 V DC. The output voltage is adjustable within a range of 47 to 56 V DC. The power supply provides an U/I output characteristic. In order to increase capacity, up to 3 units can be connected in parallel. |

## Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85044090 |

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CDC114063D0201 |
| Instructions and Manuals          | 1SVC427033M0000 |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 83 mm    |
| Product Net Height         | 123.6 mm |
| Product Net Depth / Length | 123.6 mm |
| Product Net Weight         | 1.322 kg |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Width          | 162 mm        |
| Package Level 1 Depth / Length | 160 mm        |
| Package Level 1 Height         | 104 mm        |
| Package Level 1 Gross Weight   | 1.438 kg      |
| Package Level 1 EAN            | 4016779669726 |
| Package Level 1 Units          | box 1 piece   |

## Technical

|                                    |                                                                                                                                                                                    |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Function                           | Switch mode power supply                                                                                                                                                           |
| Number of Phases                   | 1                                                                                                                                                                                  |
| Rated Input Voltage ( $U_{IN}$ )   | 115 / 230 V AC                                                                                                                                                                     |
| Input Voltage ( $U_{in}$ )         | 90 ... 132 V AC<br>180 ... 264 V AC<br>210 ... 375 V DC                                                                                                                            |
| Rated Frequency Limits             | 47 ... 63 Hz                                                                                                                                                                       |
| Characteristic of Output           | U/I characteristic curve                                                                                                                                                           |
| Rated Output Power                 | 240 W                                                                                                                                                                              |
| Output Power                       | 240 W                                                                                                                                                                              |
| Rated Output Voltage               | 48 V DC                                                                                                                                                                            |
| Output Voltage ( $U_{out}$ )       | 48 V DC                                                                                                                                                                            |
| Rated Output Current               | 5 A                                                                                                                                                                                |
| Output Current                     | 5 A                                                                                                                                                                                |
| Rated Insulation Voltage ( $U_i$ ) | Input Circuit / Output Circuit 3 V<br>Input Circuit / PE 2 V                                                                                                                       |
| Degree of Protection               | Housing IP20<br>Terminals IP20                                                                                                                                                     |
| Pollution Degree                   | 2                                                                                                                                                                                  |
| Connecting Capacity Input Circuit  | Flexible with Ferrule 0.2 ... 4 mm <sup>2</sup><br>Rigid 0.2 ... 6 mm <sup>2</sup>                                                                                                 |
| Connecting Capacity Output Circuit | Flexible with Ferrule 0.2 ... 4 mm <sup>2</sup><br>Rigid 0.2 ... 6 mm <sup>2</sup>                                                                                                 |
| Tightening Torque                  | Input Circuit 1 N·m<br>Output Circuit 0.62 N·m                                                                                                                                     |
| Wire Stripping Length              | Input Circuit 8 mm<br>Output Circuit 8 mm                                                                                                                                          |
| Minimum Mounting Distance          | Electrical Conductive Board, Horizontal 25 mm<br>Electrical Conductive Board, Vertical 25 mm<br>Other Device Same Type, Horizontal 25 mm<br>Other Device Same Type, Vertical 25 mm |
| Mounting Position                  | 1                                                                                                                                                                                  |
| Mounting on DIN Rail               | TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715<br>TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715                                                                     |
| Standards                          | ANSI/ISA-12.12<br>CAN/CSA C22.2 No.107.1<br>CAN/CSA C22.2 No.213<br>CAN/CSA C22.2 No.60950<br>IEC/EN 63000<br>IEC 60950-1<br>IEC/EN 61000-6-2                                      |

IEC/EN 61000-6-3  
UL 508  
UL 60950

## Environmental

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| Ambient Air Temperature | Operation -40 ... +70 °C<br>Storage -40 ... +85 °C |
| RoHS Status             | Following EU Directive 2011/65/EU                  |

## Technical UL/CSA

|                                           |                                                   |
|-------------------------------------------|---------------------------------------------------|
| Connecting Capacity Input Circuit UL/CSA  | Rigid 24-10 AWG                                   |
| Connecting Capacity Output Circuit UL/CSA | Rigid 24-10 AWG                                   |
| Tightening Torque UL/CSA                  | Input Circuit 9 in-lb<br>Output Circuit 5.5 in-lb |

## Electromagnetic Compatibility

|                                                                  |                                                               |
|------------------------------------------------------------------|---------------------------------------------------------------|
| Electrostatic Discharge (ESD Immunity) acc. to IEC 61000-4-2     | Level 4 Air Discharge 15 kV<br>Level 4 Contact Discharge 8 kV |
| Radiated Electromagnetic Field Immunity acc. to IEC 61000-4-3    | Level 3 10 V/m                                                |
| Electrical Fast Transient (Burst Immunity) acc. to IEC 61000-4-4 | Level 4 Power Supply Port Signal 4 kV                         |
| Surge Immunity acc. to IEC 61000-4-5                             | Level 3 Line-to-Line 2 kV<br>Level 4 Line-to-Ground 4 kV      |
| Conducted Disturbances Immunity acc. to IEC 61000-4-6            | Level 3 10 V                                                  |
| Electromagnetic Compatibility (EMC)                              | Immunity - Class B<br>Emission - Class B                      |

## Certificates and Declarations (Document Number)

|                                |                                      |
|--------------------------------|--------------------------------------|
| cUL Certificate                | cUL508_E174460                       |
| cUR Certificate                | cUR60950_E196145<br>cUR_ANSI_E317914 |
| Declaration of Conformity - CE | 1SVD982035-00                        |
| EAC Certificate                | EAC_RU_C-DE.ME77.B.00768_20          |
| Instructions and Manuals       | 1SVC427033M0000                      |
| RoHS Information               | 1SVD982035                           |
| UL Certificate                 | UL508_E174460                        |
| UR Certificate                 | UR60950_E196145<br>UR_ANSI_E317914   |

## Classifications

|                            |                            |
|----------------------------|----------------------------|
| Object Classification Code | T                          |
| ETIM 4                     | EC002540 - DC-power supply |
| ETIM 5                     | EC002540 - DC-power supply |

|                    |                            |
|--------------------|----------------------------|
| ETIM 6             | EC002540 - DC-power supply |
| ETIM 7             | EC002540 - DC-power supply |
| eClass             | V11.0 : 27040701           |
| UNSPSC             | 39121004                   |
| E-Number (Finland) | 2712064                    |

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## Categories

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Low Voltage Products and Systems → Control Products → Power Supplies → CP-E

