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**PRODUCT-DETAILS**

# CP-T 24/40.0

CP-T 24/40.0 Power supply In: 3x400-500VAC  
Out: 24VDC/40.0A



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**General Information**

<b>Extended Product Type:</b>	CP-T 24/40.0
<b>Product ID:</b>	1SVR427057R0000
<b>EAN:</b>	4016779662383
<b>Catalog Description:</b>	CP-T 24/40.0 Power supply In: 3x400-500VAC Out: 24VDC/40.0A
<b>Long Description:</b>	CP-T 24/40.0 Power supply In: 3x400-500VAC Out: 24VDC/40.0A
<b>Display Name:</b>	CP-T 24/40.0

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**Ordering**

<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85044095
<b>Replacement Product ID (NEW):</b>	ABB1SVR340867R1000

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**Popular Downloads**

<b>Data Sheet, Technical Information:</b>	2CDC114070D0201
<b>Instructions and Manuals:</b>	1SVC427052M0001

## Dimensions

<b>Product Net Width:</b>	276 mm
<b>Product Net Height:</b>	131 mm
<b>Product Net Depth / Length:</b>	121 mm
<b>Product Net Weight:</b>	3.275 kg

## Container Information

<b>Package Level 1 Width:</b>	170 mm
<b>Package Level 1 Depth / Length:</b>	342 mm
<b>Package Level 1 Height:</b>	165 mm
<b>Package Level 1 Gross Weight:</b>	3.8 kg
<b>Package Level 1 EAN:</b>	4016779662383
<b>Package Level 1 Units:</b>	box 1 piece

## Technical

<b>Function:</b>	Switch mode power supply
<b>Number of Phases:</b>	3-phase
<b>Rated Input Voltage (<math>U_{IN}</math>):</b>	3x 400 ... 500 V AC
<b>Input Voltage (<math>U_{in}</math>):</b>	3 x 340 ... 575 V AC 480 ... 820 V DC
<b>Rated Frequency (f):</b>	50 Hz
<b>Rated Frequency Limits:</b>	47 ... 63 Hz
<b>Characteristic of Output:</b>	Hiccup-mode
<b>Rated Output Power:</b>	960 W
<b>Output Power:</b>	960 W
<b>Rated Output Voltage:</b>	24 V DC
<b>Output Voltage (<math>U_{out}</math>):</b>	24 V DC
<b>Rated Output Current:</b>	40 A
<b>Output Current:</b>	40 A
<b>Rated Impulse Withstand Voltage (<math>U_{imp}</math>):</b>	Input Circuit / Output Circuit 6 kV Input Circuit / PE 4 kV Input Circuit / Relay Contact 4 kV Output Circuit / PE 0.8 kV
<b>Rated Insulation Voltage (<math>U_i</math>):</b>	Input Circuit / Output Circuit 500 V Input Circuit / PE 500 V Input Circuit / Relay Contact 500 V Output Circuit / PE 50 V
<b>Degree of Protection:</b>	Housing IP20 Terminals IP20

<b>Pollution Degree:</b>	2
<b>Connecting Capacity Input Circuit:</b>	Flexible with Ferrule 0.2 ... 4 mm <sup>2</sup> Rigid 0.2 ... 6 mm <sup>2</sup>
<b>Connecting Capacity Output Circuit:</b>	Flexible with Ferrule 0.5 ... 10 mm <sup>2</sup> Rigid 0.5 ... 16 mm <sup>2</sup>
<b>Tightening Torque:</b>	Auxiliary Circuit 0.6 N·m Input Circuit 1 N·m Output Circuit 1.8 N·m
<b>Wire Stripping Length:</b>	Auxiliary Circuit 8 mm Input Circuit 8 mm Output Circuit 10 mm
<b>Recommended Screw Driver:</b>	PH2
<b>Minimum Mounting Distance:</b>	Electrical Conductive Board, Horizontal 25 mm Electrical Conductive Board, Vertical 25 mm Other Device Same Type, Horizontal 25 mm Other Device Same Type, Vertical 25 mm
<b>Mounting Position:</b>	1
<b>Mounting on DIN Rail:</b>	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
<b>Standards:</b>	ANSI/ISA-12.12 CAN/CSA C22.2 No.107.1 CAN/CSA C22.2 No.213 CAN/CSA C22.2 No.60950 IEC/EN 63000 IEC 60950-1 IEC/EN 61000-6-2 IEC/EN 61000-6-3 UL 508 UL 60950

## Technical UL/CSA

<b>Connecting Capacity Input Circuit UL/CSA:</b>	Rigid 24-10 AWG
<b>Connecting Capacity Output Circuit UL/CSA:</b>	Rigid 20-6 AWG
<b>Tightening Torque UL/CSA:</b>	Input Circuit 9 in·lb Output Circuit 15.6 in·lb

## Electromagnetic Compatibility

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

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## Environmental

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**Ambient Air Temperature:** Operation -40 ... +70 °C  
Storage -40 ... +85 °C

**Maximum Operating Altitude Permissible:** 5000 m

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## Material Compliance

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**Conflict Minerals Reporting Template (CMRT):** 9AKK108467A5658

**REACH Declaration:** 1SVD982001-4501

**RoHS Declaration:** 1SVD982001-4401

**RoHS Information:** Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

**Toxic Substances Control Act - TSCA:** 2CMT2023-006535

**WEEE B2C / B2B:** Business To Business

**WEEE Category:** 5. Small Equipment (No External Dimension More Than 50 cm)

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## ABB EcoSolutions

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**Environmental Product Declaration - EPD:** No Declaration Needed

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## Certificates and Declarations

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**cUL Certificate:** cUL508\_E174460

**cUR Certificate:** cUR60950\_E196145  
cUR\_ANSI\_E317914

**Declaration of Conformity - CE:** 1SVD982036-00

**Declaration of Conformity - UKCA:** 1SVD982036-10

**UL Certificate:** UL508\_E174460

**UR Certificate:** UR60950\_E196145  
UR\_ANSI\_E317914

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## External Classifications and Standards

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**Object Classification Code:** T

**ETIM 9:** EC002540 - DC-power supply

**ETIM 10:** EC002540 - DC-power supply

**eClass:** V11.0 : 27040701

**UNSPSC:** 39121004

**E-Number (Finland):** 2712075

**E-Number (Norway):** 6609473

**E-Number (Sweden):** 5218723

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## Categories

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Products > Low Voltage Products and Systems > Control Products > Power Supplies > CP-T

