NEW

General Purpose Solutions—Single Phase Input Supplies

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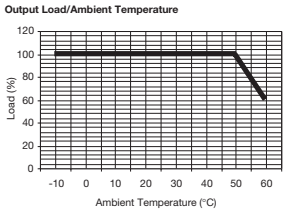
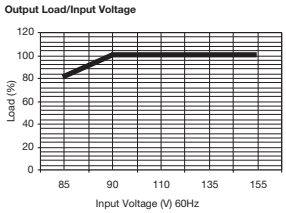
POWER FOR AUTOMATION

Approvals: cULus LISTED CE

CP SNT 70W 3A

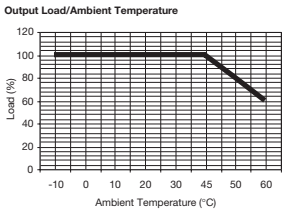
Derating Curves

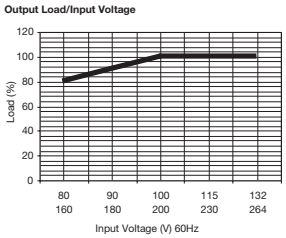




CP SNT 120W 24V 5A

Derating Curves





Ordering Data	Type	Part No.	Type	Part No.
	CP SNT 70W 3A	**8708660000**	CP SNT 120W 24V 5A	**8708670000**
Technical Data				
Input voltage	**85…264 Vac 47…63 Hz**		**88…132 / 176…264 Vac selectable; 47…63 Hz**	
	120…370 Vdc		**254…370 Vdc**	
Input current	**2.0 A @ 115 V 1.2 A @ 230 V**		**2.8 A @ 115 V 1.7 A @ 230 V**	
Inrush current	**30 A @ 115 V 60 A @ 230 V**		**30 A @ 115 V 60 A @ 230 V**	
Output voltage	**24 Vdc (24…28 Vdc)**		**24 Vdc (24…28 Vdc)**	
Ripple and noise	**150 mV_{p-p}**		**80 mV_{p-p}**	
Output current	**3 A**		**5 A**	
Efficiency	80%		84%	
Overload protection	105…150% output constant current limiting		105…150% output constant current limiting	
Overvoltage protection	yes		yes	
Short circuit protection	yes		yes	
Hold time	10 ms @ 115 Vac		30 ms @ 115 Vac	
	60 ms @ 230 Vac		30 ms @ 230 Vac	
Operation in parallel	yes, with diode module		yes, with diode module	
Indication LED	LED green		LED green	
Housing	metal		metal	
Temperature Storage	-20°C…+85°C (-4°F…+185°F)		-20°C…+85°C (-4°F…+185°F)	
Ambient	0°C…+50°C (+32°F…+122°F) @ 100%		0°C…+45°C (+32°F…+113°F) @ 100%	
	-10°C (+14°F) @ 80% 60°C (140°F) @ 60%		-10°C (+14°F) @ 80% 50°C (122°F) @ 80%	
Dimensions (W x L x H)	55.5 x 125.2 x 100 mm		65.5 x 125.2 x 100 mm	
	(2.18 x 4.93 x 3.94 in.)		(2.58 x 4.93 x 3.94 in.)	
Weight	0.55 kg (1.21 lbs.)		0.65 kg (1.43 lbs.)	
Mounting	TS 35 DIN rail		TS 35 DIN rail	
Type of connection	Screw		Screw	
Power Factor Correction	yes		yes	
Connection	≤ 4.0 mm^2 (12 AWG)		≤ 4.0 mm^2 (12 AWG)	
Load regulation	± 1%		± 1%	
Line regulation	± 0.5%		± 0.5%	
Standards - EMC	EN55022 class B		EN55022 class B	
	EN61000-3-2, 3		EN61000-3-2, 3	
	EN61000-4-2, 3, 4, 5, 6, 8, 11		EN61000-4-2, 3, 4, 5, 6, 8, 11	
	ENV50204		ENV50204	
Standards - Safety	TUV EN60950		TUV EN60950	
Approvals/Certifications				
	cULus 508 Listed, CE, EN60950		cULus 508 Listed, CE, EN60950	

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Approvals: cULus LISTED CE

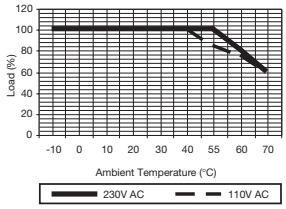
CP SNT 250W 24V 10A

CP SNT 500W 24V 20A

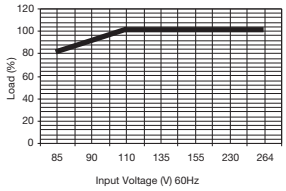
Single-Phase Input with selectable input voltage range

Derating Curves

Output Load/Ambient Temperature

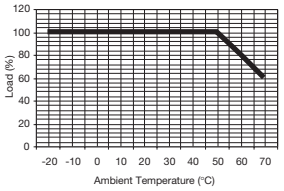


Output Load/Input Voltage

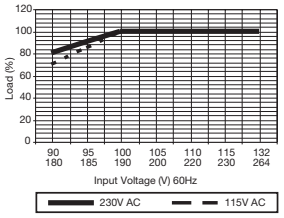


Derating Curves

Output Load/Ambient Temperature



Output Load/Input Voltage



Ordering Data	Type	Part No.	Type	Part No.
	CP SNT 250W 24V 10A	**8708680000**	CP SNT 500W 24V 20A	**8778870000**
Technical Data				
Input voltage	**85…264 Vac 47…63 Hz**		**88…132 Vac / 176…264 Vac selectable; 254…50/60 Hz**	
	120…370 Vdc		**370 Vdc**	
Input current	**3.5 A @ 115 Vac**	**1.8 A @ 230 Vac**	**2.8 A @ 115 Vac**	**1.4 A @ 230 Vac**
Inrush current	**30 A @ 115 Vac**	**60 A @ 230 Vac**	**30 A @ 115 Vac**	**50 A @ 230 Vac**
Output voltage	**24 Vdc (24…28 Vdc)**		**24…28 Vdc adjustable**	
Ripple and noise	**80 mV_{p-p}**		**120 mV_{p-p}**	
Output current	**10 A**		**20 A**	
Efficiency	84%		86%	
Overload protection	105…150% output constant, current limiting		Iout: 105…150% Iconst. for 3s.; Iout > 150% off	
Overvoltage protection	yes		yes	
Short circuit protection	yes			
Hold time	20 ms @ 115 Vac		20 ms @ 115 Vac	
	20 ms @ 230 Vac		20 ms @ 230 Vac	
Operation in parallel	yes, with diode module		yes, with diode module	
Indication LED	LED green		LED green	
Housing	metal		metal	
Temperature Storage	-20°C…+85°C (-4°F…+185°F)		-20°C…+85°C (-4°F…+185°F)	
Ambient	-10°C…+55°C (+14°F…+131°F) @ 100%		-10°C…+70°C	
	70°C (158°F) @ 70%		(+14°F…+158°F) see derating curve	
Dimensions (W x L x H)	125.5 x 125.2 x 100 mm		227.5 x 125.2 x 100 mm	
	(4.94 x 4.93 x 3.94 in.)		(8.96 x 4.93 x 3.94 in.)	
Weight	1.1 kg (2.42 lbs.)		2 kg (4.4 lbs.)	
Mounting	TS 35 DIN rail		Horizontal on rail	
Type of connection	Screw		Screw	
Power Factor Correction	yes, 0.98 @ 115 Vac; 0.95 @ 230 Vac		yes, 0.70 @ 230 Vac	
Connection	≤ 4.0 mm^2 (12 AWG)			
Load regulation	± 1%		± 1%	
Line regulation	± 0.5%		± 0.5%	
Standards - EMC	EN55022 class B		EN 60950	
	EN61000-3-2, 3		EN 55011	
	EN61000-4-2, 3, 4, 5, 6, 8, 11		EN 55022	
	ENV50204		EN 55024	
			EN 61000-6-2, 3	
Standards - Safety	TUV EN60950			
Approvals/Certifications				
	cULus 508 Listed, CE, EN60950		cULus 508 Listed, CE, EN60950	

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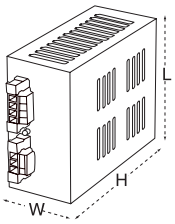


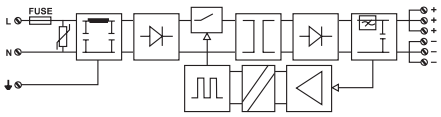
Approvals:

LISTED

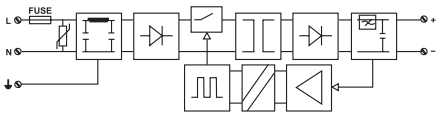
CP SNT 12W 0.5A

CP SNT 24W

Diagram/Schematic Circuit Diagram



– secondary through plug-in jumpers ZQV
cross-connectable to other WAVE-modules



Ordering Data	Type	Part No.
	CP SNT 12W 0.5A	
Output voltage/maximum current	**24 Vdc / 0.5 A**	**9918840024**

Ordering Data	Type	Part No.
	CP SNT 24W	
Output voltage/maximum current	**24 Vdc / 1 A**	**9928890024**
	28 Vdc / 1 A	**9928890028**
	15 Vdc / 1.5 A	**9928890015**
	12 Vdc / 1.5 A	**9928890012**
	5 Vdc / 2 A	**9928890005**

Technical Data			
Input voltage	**Minimum**	**85 Vac, 120 Vdc**	**85 Vac, 120 Vdc**
	Typical	**115-230 Vac ± 10%, 50/60 Hz**	**115-230 Vac ± 10 %, 50/60 Hz**
	Maximum	**265 Vac, 300 Vdc**	**265 Vac, 300 Vdc**
Input current	**at 115 Vac**	**260 mA RMS ± 20%**	**480 mA RMS ± 20%**
(Average values for reference only)	**at 230 Vac**	**180 mA RMS ± 20%**	**270 mA RMS ± 20%**
	at 125 Vdc	**125 mA ± 20%**	**280 mA ± 20%**
	at 250 Vdc	**65 mA ± 20%**	**140 mA ± 20%**
Input protection	Fuse	2 A slow fuse (internal, not user serviceable)	2 A slow fuse (internal, not user serviceable)
	Inrush current	Thermistor	Thermistor
	Overvoltage protection	Varistor	Varistor
Switching frequency		100 kHz PWM	100 kHz PWM
Efficiency at maximum load		80%	78%
Maximum ripple		0.1% RMS	0.3% RMS
Regulation	Load (10-100% load)	0.2%	2% (12, 15 and 5 V) 0.5% (24 and 28 V)
	at input voltage	0.2% 85 Vac - 265 Vac In	0.2%
Overload protection		Overcurrent shutdown with automatic restart plus thermal shutdown/short cct	Overcurrent shutdown with automatic restart plus thermal shutdown/short cct
Maximum capacity at output		8000 µF	8000 µF
Hold time	at 115 Vac	30 ms	35 ms
(Maximum output current following input loss)	at 230 Vac	80 ms	160 ms
Temperature	Storage	-40°C…+85°C (-40°F…+185°F)	-40°C…+85°C (-40°F…+185°F)
	Operating	-40°C…+50°C (-4°F…+122°F) full rated load Derating: 33% at 60°C (140°F)	-20°C…+50°C (-4°F…+122°F) full rated load Derating: 33% at 60°C (140°F)
Humidity	Operating temperature	20…85% RH non-condensing	20…85% RH non-condensing
	Storage temperature	20…90% RH	20…90% RH
Galvanic isolation	Input-output	3 kV RMS	3 kV RMS
	Input/output to mounting rail	4 kV RMS	4 kV RMS
	Input to ground	1.5 kV RMS	1.5 kV RMS
	Output to ground	500 V RMS	500 V RMS
Wire size		26…12 AWG (0.1…4.0 mm^2)	26…12 AWG (0.1…4.0 mm^2)
Dimensions (L x W x H)		90 x 18 x 112.5 mm (3.54 x 0.71 x 4.43 in.)	90.5 x 52 x 62.5 mm (3.56 x 2.05 x 2.46 in.)
Weight		140 g (0.311 lbs.)	160 g (0.35 lbs.)
Mounts on mounting rail		TS 35 DIN rail	TS 35 DIN rail

Approvals/Certifications		
	CSA, UL 508 Listed, CE	CSA, UL 508 Listed, CE
		CSA Class 1 Div. 2 and Zone 2 for 9928890012 and 9928890024
		UL 1310 (Class 2) for 9928890024

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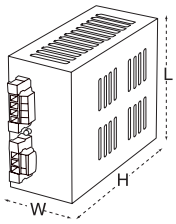


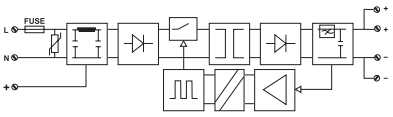
Approvals:

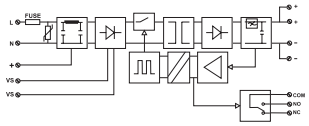
CSA UL LISTED CE

CP SNT 55W

CP SNT 160W

Diagram/Schematic Circuit Diagram





Ordering Data		Type	Part No.
		CP SNT 55W	
Output voltage/maximum current		**24 Vdc-28 Vdc / 2.3 A**	**9927480024**
		48 Vdc / 1.04 A	**9927480048**
		12 Vdc - 15 Vdc / 3 A	**9927480012**
		5 Vdc / 3 A	**9927480005**

Technical Data			
Input voltage	**Minimum**	**85 Vac, 120 Vdc**	**85 Vac / 195 Vac**
	Typical	**115-230 Vac ± 10 %, 50/60 Hz**	**115 Vac / 230 Vac ± 10%, (adjustable) 50/60Hz**
	Maximum	**265 Vac, 300 Vdc**	**138 Vac / 250 Vac**
Input current	**at 115 Vac**	**1.10 A RMS ± 20%**	**2.9 A RMS ± 20%**
(Average values for reference only)	**at 230 Vac**	**0.55 A RMS ± 20%**	**1.45 A RMS ± 20%**
	at 125 Vdc	**590 mA ± 20%**	
	at 250 Vdc	**315 mA ± 20%**	
Input protection	Fuse	2 A slow fuse (internal, not user serviceable)	6.3 A slow fuse (internal, not user serviceable)
	Inrush Current	Thermistor	Thermistor
	Overvoltage	Varistor	Varistor
Switching frequency		100 kHz PWM	65 kHz PWM
Efficiency at maximum load		80%	85%
Maximum ripple		0.1% RMS	0.2% RMS
Regulation	load (10-100% load)	1.0%	2.0%
	at Input voltage	0.8%	0.5%
Overload protection		Overcurrent shutdown with automatic restart plus thermal shutdown/short cct	Overcurrent shutdown with automatic restart plus thermal shutdown/short cct
Maximum capacity at output		10,000 µF	6000 µF
Parallel connection for load sharing			up to 3 devices (passive current division)
Hold time	at 115 Vac	30 ms	30 ms
(Maximum output current following input loss)	at 230 Vac	180 ms	30 ms
Temperature	Storage	-40°C…+85°C (-40°F…+185°F)	-40°C…+85°C (-40°F…+185°F)
	Operating	-40°C…+50°C (-4°F…+122°F) full rated load	-20°C…+50°C (-4°F…+122°F) max. full rated load
		Derating: 24 V-1.5 A at 60°C (140°F)	Derating: 24 V-5.2 A at 60°C (140°F) Testing done to -10°C
Humidity	Operating temperature	20…85% RH non-condensing	20…85% RH non-condensing
	Storage temperature	20…90% RH	20…90% RH
Galvanic isolation	Input-output	3 kV RMS	3 kV RMS
	Input/output to mounting rail	3 kV RMS	3 kV RMS
	Input to ground	1.5 kV RMS	1.5 kV RMS
	Output to ground	500 V RMS	500 V RMS
Wire size		26…12 AWG (0.1…4.0 mm^2)	26…12 AWG (0.1…4.0 mm^2)
Dimensions (L x W x H)		98 x 57 x 131 mm (3.86 x 2.24 x 5.16 in.)	127 x 57 x 175 mm (5.00 x 2.24 x 6.9 in.)
Weight		478 g (1.05 lbs.)	880 g (1.94 lbs.)
Mounts on mounting rail		TS 35 DIN rail, Chassis	TS 35 DIN rail, Chassis
Fault relay			Changeover contact, 30 Vdc / 125 Vac @ 1 A max. / Passive PFC

Approvals/Certifications		
	CSA, UL 508 Listed, CE	CSA, UL 508 Listed, CE
	CSA Class 1 Div. 2 and Zone 2 for 9927480012 and 9927480024	CSA Class 1 Div. 2 and Zone 2 for 9925340024
	UL 1310 (Class 2) for 9927480024	

Accessories	Part No.	Part No.
Chassis Mounting Kit	**7920560000**	**7920560000**
L Bracket Mounting Kit—Panelmount	**7940000543**	**7940000543**
Side mount Bracket—DIN rail		**7940000542**

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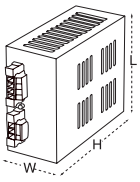
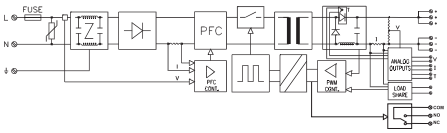


Approvals:

CP SNT 300W

Diagram/Schematic Circuit Diagram



Ordering Data

Type	Part No.
CP SNT 300W	**9916250024**

Technical Data

Input voltage	**Minimal**	**86 Vac, 100 Vdc**	
	Typical	**115-230 Vac ± 10% 50/60 Hz**	
	Maximum	**265 Vac, 200 Vdc**	
Input current at 300 W	**at 115 Vac**	**3.3 A ± 10%**	
	at 230 Vac	**1.65 A ± 10%**	
	at 100 Vdc	**3.7 A ± 10%**	
	at 200 Vdc	**1.85 A ± 10%**	
Input power factor		0.99 (under all load conditions)	
Input current		Sinusoidal (active power factor corrected)	
Topology		Boost PFC / forward PWM	
Input protection	Fuse	5 A slow blow 5x20 mm	
	Inrush current	Thermistor	
	Overvoltage	Varistor	
Switching frequency		100 kHz ± 5%	
Efficiency	at max.load	80% typical	
Output ripple		at 100 kHz: 2 mV $_{p-p}$	
Regulation	Load (10-100%)	1%	
	Line (86-265 Vac RMS)	0.2%	
Protection	Overvoltage	V_{out} > 30 Vdc	
	Undervoltage	V_{out} < 14 Vdc	
	Overload	at V_{out} = 22 Vdc, I_{out} > 13.8 A	at Vout = 24 Vdc, I_{out} > 13.5 A at Vout = 28 Vdc, I_{out} > 11.6 A
	Thermal	Heat sink temperature > 100°C (212°F)	
Adjustable output voltage		**22 Vdc…28 Vdc (pot. adj.)**	
Rated output current		**at Vout = 22 Vdc…13.6 A**	
		at Vout = 24 Vdc…12.5 A	
		at Vout = 28 Vdc…10.7 A	
LED indicator		Current limiting: LED yellow	Fault: LED red On: LED green
Shut down		Power supply goes to fault mode overvoltage, undervoltage or over temperature for more than 2 sec. fault relay drops out/short cct	
The 300 W power supply offers the following additional functions		– universal input voltage with PFC (active power factor corrections) – analog monitoring function of the output voltage 0…30 V corresponds to 0…10 V ± 3% of the output current 0…15 A corresponds to 0…10 V ± 3% of the internal temperature 0°C…+100°C (+32°F…+212°F) corresponds to 0…10 V ± 3% – Fault relay, 1 changeover, closed-circuit current principle	
Monitoring output impedance		10 kΩ min. or 5 mA max.	
Load share		Current increase up to 60 A by wiring up to 5 300 W power supplies in parallel (active current division)	
Maximum capacity at output		10,000 µF	
Hold time	at 115 Vac	40 ms	
	at 230 Vac	40 ms	
Temperature	Storage	-40°C…+85°C (-40°F…+185°F)	
	Operating	-20°C…+50°C (-4°F…+122°F) Testing done to -10°C	
	Derating	Output current derating of approx. 20 % at 60°C (140°F)	
Galvanic isolation	Input-output	3 kV RMS	
	Input/output to mounting rail	TS: 3 kV RMS	
	Input to ground	1.5 kV RMS	
	Output to ground	500 V RMS	
Dimensions (L x W x H)		104 x 240 x 155 mm (4.10 x 9.45 x 6.10 in.)	
Weight		1180 g (2.60 lbs.)	
Mounting		TS 35 DIN rail, chassis	

Approvals/Certifications

CSA, UL 508 Listed, CE

Accessories

	Part No.
Chassis Mounting Kit	**7920560000**[1)]

1) Order 2 mounting kits for power supply shown above.

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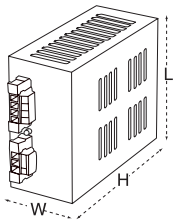
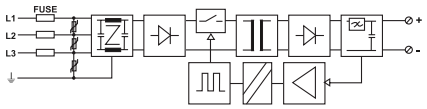


Approvals:

CP SNT 55W 2.3A 3 Phase Input

CP SNT 160W 6.5A 3 Phase Input

Diagram/Schematic Circuit Diagram



Ordering Data	Type	Part No.	Type	Part No.
	CP SNT 55W 2.3A 3 Phase		CP SNT 160W 6.5A 3 Phase	
Output voltage/maximum current	**24 Vdc / 2.3 A**	**9917790324**	**24 Vdc-28 Vdc / 6.5 A**	**9925340324**

Technical Data				
Input voltage	**Minimum**	**306 Vac**	**342 Vac**
	Typical	**360 - 480 Vac**	**480 Vac**
	Maximum	**550 Vac**	**528 Vac**
Input current	**at 360 Vac**	**120 mA RMS / Phase**	**0.36 A**
(Average values for reference only)	**at 230 Vac**	**100 mA RMS / Phase**	**0.34 A**
Input protection	Fuse	3 x 1 A slow fuse (internal)	3 x 12 A slow fuse (internal)
	Inrush Current	Thermistor	Thermistor
	Overvoltage	Varistor	Varistor
Switching frequency		100 kHz	100 kHz PWM
Efficiency at maximum load		85%	83%
Maximum ripple		0.1% RMS	0.2% RMS
Regulation	Load (10-100% load)	1.0%	2%
	at Input voltage	0.8%	0.5%
Overload protection		Overcurrent shutdown with automatic restart plus thermal shutdown/short cct	Overcurrent shutdown with automatic restart plus thermal shutdown/short cct
Maximum capacity at output		10,000 µF	10,000 µF
Parallel connection for load sharing			up to 3 devices (passive current division)
Hold time	at 360 Vac	120 ms	50 ms
(Maximum output current following input loss)	at 480 Vac	120 ms	70 ms
Temperature	Storage	-40°C…+85°C (-40°F…+185°F)	-40°C…+85°C (-40°F…+185°F)
	Operating	-15°C…+50°C (+32°F…+122°F) full rated load Derating: 10% at 60°C (140°F)	-40°C…+50°C (-4°F…+122°F)
Humidity	Operating temperature	20…85% RH non-condensing	20…85% RH non-condensing
	Storage temperature	20…90% RH non-condensing	20…90% RH
Galvanic isolation	Input-output	3 kV RMS	3 kV RMS
	Input/output to mounting rail	3 kV RMS	3 kV RMS
	Input to ground	1.5 kV RMS	1.5 kV RMS
	Output to ground	500 V RMS	500 V RMS
Wire size		26…12 AWG (0.1…4.0 mm²)	26…12 AWG (0.1…4.0 mm²)
Dimensions (L x W x H)		108 x 60 x 168 mm (4.25 x 2.36 x 6.61 in.)	138.2 x 58.4 x 177.8 mm (5.44 x 2.3 x 7 in.)
Weight		526 g (1.16 lbs.)	993 g (2.2 lbs.)
Mounts on mounting rail		TS 35 DIN rail, Chassis	TS 35 DIN rail, Chassis
Fault relay			Changeover contact, 30 Vdc / 125 Vac @ 1 A max.
Output surge		10A / 180 ms typ.	13A / 1 sec.

Approvals/Certifications		
	CSA, cULus 508 Listed, CE	cULus 508 Listed, CE

Accessories	Part No.	Part No.
Chassis Mounting Kit	**7920560000**	**7920560000**
L Bracket Mounting Kit—Panelmount	**7940000543**	**7940000543**
Side mount Bracket—DIN rail		**7940000542**

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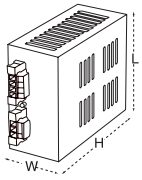

Approvals:

c UL us LISTED CE

CP SNT 300W 12.5A 3 Phase Input

CP SNT 600W 25A 3 Phase Input

Ordering Data		Type	Part No.	Type	Part No.
		CP SNT 300W 12.5A 3 Phase	**7924740324**	CP SNT 600W 25A 3 Phase	**7920210324**
Output voltage/maximum current		**24 Vdc / 12.5 A**		**24 Vdc / 25 A**	
Technical Data					
Input voltage	**Minimum**	**342 V**		**342 V**	
	Typical	**380-480 V ± 10%, 50/60 Hz, 3 phase**		**480 V, 50-60 Hz**	
	Maximum	**528 V**		**528 V**	
Input current	**Min Vin**			**1.4 A**	
(Average values for reference only)	**Typ Vin**	**0.75 A per phase @380 V, 0.6 A per phase @480 V**		**1.2 A**	
	Max Vin			**1.1 A**	
Input protection	External Input Breaker	2 A, 600 V thermal breaker or 4 A / 500 V time delay fuse recommended		6 A, 3 pole 480 Vac	
	Inrush Current	Thermistor		Thermistor	
	Overvoltage	Varistor		Varistor	
Switching frequency		100 kHz		100 kHz	
Output	Voltage Nominal	24 V @ 12.5 A, 28 V @ 10.7 A		24 V	
	Voltage Adj. Range	23-28 V		23-28 V (pot. adj.)	
	Current Nominal	12.5 A		25 A	
	Current Surge	19 A		50 A	
	Current Surge Time	1 second		1 second	
	Surge Cycle Time	4 seconds		60 seconds	
Efficiency at maximum load		80%		88%	
Regulation	Load (10-100% load)	5%		± 4%	
	Line	0.5%		± 1%	
Protection	Overload	Overcurrent shutdown with automatic restart and overvoltage protection		Overcurrent shutdown with automatic restart and overvoltage protection	
	Short Circuit	Auto restart		Auto restart	
	Overvoltage	Vout > 28 Vdc		Vout > 30.5 Vdc	
	Undervoltage	Vout < 22 Vdc		Vout < 20 Vdc	
	Over Temperature			Vout heatsink temperature > 100°C (212°F)	
	Over Current			26.5A typical @24 V for >1 second	
Max. load capacitance		5000 µF		10,000 µf	
Hold time	@380 V	12 ms typ (full output current after loss of input)		12 ms typ (full output current after loss of input)	
	@480 V	28 ms typ (full output current after loss of input)		18 ms typ (full output current after loss of input)	
Temperature	Storage	-40°C…+85°C (-40°F…+185°F)		-40°C…+85°C (-40°F…+185°F)	
	Operating	0°C…+50°C (32°F…+122°F)		-10°C…+50°C (-4°F…+122°F)	
Humidity	Storage Temperature	20%-90% RH non-condensing		5% ~95%	
	Operating Temperature	20…85% RH non-condensing		20…85% non-condensing	
Galvanic isolation	Input-output	3 kV RMS		3 kVac	
	Input to ground	1.5 kV RMS		1.5 kVac	
	Output to ground	500 V RMS		500 Vac	
Wire size	Input	26…12 AWG (0.1…4.0 mm^2)		22…12 AWG (0.08…2.5 mm^2)	
	Output			22…8 AWG (0.5…16.0 mm^2)	
	I/O			22…12 AWG (0.08…2.5 mm^2)	
Dimensions (L x W x H)		170 x 160 x 82 mm (6.7 x 6.3 x 3.2 in.)		173 x 238 x 135 mm (6.8 x 9.4 x 5.3 in.)	
Weight		1.4 kg (3.1 lbs.)		3.1 kg (6.75 lbs.)	
Mounts on mounting rail		TS 35 DIN rail or Chassis (Chassis brackets are included)		TS 35 DIN rail or Chassis (Chassis brackets are included)	
Special features	Cooling			Fan cooled with temp. controlled fan speed[1)]	
	Load Sharing	Parallel operation for increased current or redundance[2)]		Maximum 2 units[2)]	
	Redundancy	Maximum 2 units		No maximum[3)]	
	Fault relay	Form C contacts (1A max @ 30 Vdc or 125 Vac; 10 mA min @ 5 Vdc)		Form C contacts (1A @ 30 Vdc or 30 Vac)	
	Vout			0…10 Vdc = 0…30 Vdc	
	Tout			0…10 V = 0°C…+100°C (+32°F…+212°F) (internal temperature)	
	Iout			0…10 V = 0…100 A	
Miscellaneous	Indicator	Green LED (DC on)		Green LED (DC on)	
Approvals/Certifications					
		cULus 508 Listed, CE		cULus 508 Listed, CE	
Accessories			**Part No.**		**Part No.**
Chassis Mounting Kit			**7920560000**[4)]		**7920560000**

1) This allows for horizontal or vertical mounting without derating.
2) The output voltages of each power supply should be adjusted to within 100mV. Use similar sizes and length of cables to connect the output of each power supply to the load. Consult factory for increased current capacity.
3) No limit to the number of units connected in parallel for redundancy.
4) Order 2 mounting kits for power supply shown above.

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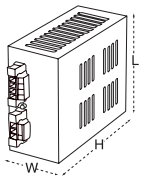

Approvals:

c UL us LISTED CE

CP SNT 1000W 40A
3 Phase Input

Ordering Data	Type	Part No.
	CP SNT 1000W 40A 3 Phase	**7918960324**

Technical Data		
Input voltage	**Minimum**	**342 Vac**
	Typical	**480 Vac ± 10% 50/60 Hz, 3 phase**
	Maximum	**528 Vac**
Input current		**at V_{min} = 1.9 A RMS at V_{nom} = 1.4 A RMS at V_{max} = 1.3 A RMS**
Input protection	External Input Breaker	6A, 3 pole 480 Vac
	External Input Fuse	6A, 480 Vac Slow Blow
	Inrush Current	40A Maximum
	Overvoltage	Varistor
	Surge Immunity L-L	2 kV
	L-G	4 kV
Switching frequency		65 kHz
Output	Voltage Nominal	24 Vdc
	Voltage Adj. Range	23…28 Vdc
	Current Nominal	40 A
	Maximum Start-up Current	70 A
	Current Surge	80 A
	Current Surge Time	1 second
	Surge Cycle Time	60 seconds
	Maximum Load Capacitance	10,000 µF
Efficiency	at Maximum load	90%
Output ripple		< 20 mV RMS
Regulation	Load (10-100%)	5%
	Line	1%
Protection	Short Circuit	Auto restart
	Overvoltage	V_{out} > 30.5 Vdc
	Undervoltage	V_{out} < 20 Vdc
	Over Temperature	V_{out} heatsink temperature > 100°C (212°F)
	Over Current	43 A typical @ 24 V for >1 second
Hold time		at V_{min} = 14 ms at V_{nom} = 20 ms at V_{max} = 28 ms
Temperature	Storage	-40°C…+85°C (-40°F…+185°F)
	Operating	-10°C…+50°C (+14°F…+122°F) (Full Power)
Humidity	Storage Temperature	5…95%
	Operating Temperature	20…85% non-condensing
Galvanic Isolation	Input to Output	3k Vac
	Input to Ground	1.5 kVac
	Output to Ground	500 Vac
Wire Size	Input	22…12 AWG (0.08…2.5 mm^2)
	Output	22…6 AWG (0.5…16 mm^2)
	I/O	22…12 AWG (0.08…2.5 mm^2)
Dimensions (L x W x H)		182 x 268 x 133 mm (7.2 x 10.6 x 5.3 in.)
Weight		3800 g (8.35 lbs.)
Mounting		TS 35 DIN rail, chassis (Recommended Clearance: Leave 4 in. (10 cm) free space on venting sides)
Special Features	Cooling	Fan cooled[1]
	Load Sharing	Maximum 2 units[2]
	Redundancy	No maximum[3]
	Fault Relay	Form C contacts (1A @ 30 Vdc or 30 Vac)
	V_{out}	0…10 Vdc = 0…30 Vdc
	T_{out}	0…10V = 0°C…+100°C (+32°F…+212°F) (internal temperature)
	Iout	0…10V = 0…50A
Miscellaneous	Indicator	Green LED (DC on)
	Power Factor	0.9 typical @ 380 Vac 0.87 typical @ 480 Vac
Approvals/Certifications		
		cULus 508 Listed, CE

1) This allows for horizontal or vertical mounting without derating.
2) The output voltages of each power supply should be adjusted to within 100mV. Use similar sizes and length of cables to connect the output of each power supply to the load. Consult factory for increased current capacity.
3) No limit to the number of units connected in parallel for redundancy.