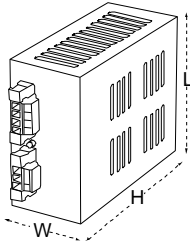


Switchmode power supplies



Approvals:



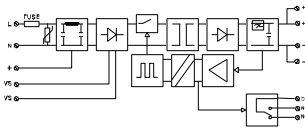
CP-SNT 160W



CP-SNT 160W
3 Phase Input



Diagram/schematic circuit diagram



Ordering data

Output voltage/max. current

Technical data

Input voltage	Minimum	85 Vac / 195 Vac / 275 Vdc
	Typical	115 Vac / 230 Vac ±10%, (adjustable) 50/60Hz
	Maximum	138 Vac / 250 Vac / 375 Vdc
Input current	at 115 Vac	2.9 RMS ± 20%
(Average values for reference only)	at 230 Vac	1.45 A RMS ± 20%
	at 125 Vdc	
	at 250 Vdc	
Input protection	Fuse	6.3 A slow fuse (internal)
	Inrush Current	Thermistor
	Overvoltage	Varistor
Switching frequency		65 kHz PWM
Efficiency at max. load		85%
Maximum ripple		0.2% RMS
Regulation	load (10-100% load)	1.0%
	at Input voltage	0.5%
Overload protection		Overcurrent shutdown with automatic restart plus thermal shutdown
Maximum capacity at output		6,000 µF
Parallel switchable		up to 3 devices (passive current division)
Hold time	at 115 Vac	40 ms
(Maximum output current following input loss)	at 230 Vac	50 ms
Storage temperature		-40 °C...+85 °C
Operating temperature		0 °C...+50 °C max. full rated load Derating: 24 V - 5.2 A at 60 °C
Humidity	Operating temperature	20...85% RH non-condensing
	Storage temperature	20...90% RH
Galvanic isolation	Input-output	3 kV RMS
	Input/output to mounting rail	3 kV RMS
	Input to ground	1.5 kV RMS
	Output to ground	500 V RMS
Wire diameter		26...12 AWG (0.1-4.0 mm ²)
Dimensions (L x W x H)		127 x 57 x 175 mm (5.00 x 2.24 x 6.9 in.)
Weight		880 g (1.94 lbs.)
Mounts on mounting rail		TS 35
Differential relay		Changeover contact, 30 Vdc / 125 Vac @ 1A max. 5 Vdc @ 10 mA min Passive PFC

Approvals/certifications

Accessories

Chassis Mounting Kit

Type

CP-SNT 160 W
24 Vdc-28 Vdc / 6.5 A

Part No.

9925340024

Type

CP-SNT 160 W 3 Phase
24 Vdc-28 Vdc / 6.5 A

Part No.

9925340324

Input voltage	Minimum	342 Vac
	Typical	480 Vac
	Maximum	528 Vac
Input current	@ V_{min}	0.34A
	@ V_{nom}	0.36A
	@ V_{max}	0.43A
Input protection	Fuse	yes
	Inrush Current	5.7A
	Overvoltage	Varistor
Switching frequency		100 kHz PWM
Efficiency at max. load		83%
Maximum ripple		1% p-p(max)
Regulation	load (10-100% load)	3%
	at Input voltage	0.5%
Overload protection		short circuit / overvoltage / undervoltage
Maximum capacity at output		10,000 µF
Parallel switchable		up to 3 devices (passive current division)
Hold time	at 115 Vac	50 ms @ V _{nom}
(Maximum output current following input loss)	at 230 Vac	-40 °C...+85 °C
Storage temperature		-20 °C...+50 °C
Operating temperature		20...85% RH non-condensing
Humidity	Operating temperature	20...90% RH
	Storage temperature	3 kV RMS
Galvanic isolation	Input-output	3 kV RMS
	Input/output to mounting rail	3 kV RMS
	Input to ground	1.5 kV RMS
	Output to ground	500 V RMS
Wire diameter		26...12 AWG (0.1-4.0 mm ²)
Dimensions (L x W x H)		138.2 x 58.4 x 172.8 mm (5.44 x 2.3 x 7 in.)
Weight		993 g (2.2 lbs)
Mounts on mounting rail		TS 35
Differential relay		Changeover contact, 30 Vdc / 125 Vac @ 1A max. 5 Vdc @ 10 mA min

Approvals/certifications

UL Listed, CE

Part No.

7920560000