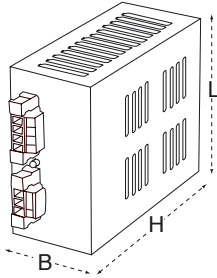


Power Supplies



Primary switched-mode power supplies

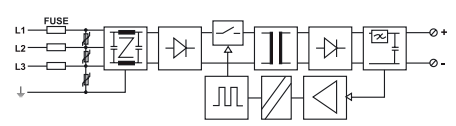
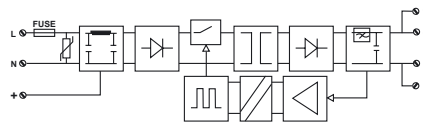


Diagram/schematic circuit diagram

CP-SNT 55W



CP-SNT 55W



Ordering data	
Output voltage/max. current	
Input voltage	Minimum typical
Maximum	
Input current	at 115 Vac
at 360 Vac	
at 230 Vac	
at 125 Vdc	
at 250 Vdc	
Input protection	Fuse
Making current	
Overtolerance	
Switching frequency	100 kHz PWM
Efficiency at max. load	78%
Max. ripple	<50 mV RMS
Regulation	load (10-100% load)
at Input voltage	
Overload protection	0.8%
Overtolerance switch-off with automatic reset plus thermal switch-off	
Max. capacity at output	10 000 µF
Hold time	at 115 Vac
at 360 Vac	
at 230 Vac	
at 480 Vac	
Storage temperature	-40 °C...+85 °C
Operating temperature	-20 °C...+40 °C max. full rated load
Derating: 24 V-2.1 A at 50 °C, 24 V-1.5 A at 60 °C	
Humidity	Operating temperature
Storage temperature	
Galvanic isolation	Input-output
Input/output to mounting rail	
Input to earth	
Output to earth	
Wire diameter	26-12 AWG (0.1-4.0 mm ²)
Dimensions in mm (L x W x H)	98 x 57 x 131
Weight	478 g
Mounts on mounting rail	TS 35
Approvals/certifications	
Accessories	
Mounting bracket for mounting on a wall	Cat. No.
7920560000	

Type	Cat. No.
CP-SNT 55 W	9927480024
24 Vdc-28 Vdc / 2.3 A	9927480048
48 Vdc / 1.04 A	9927480012
12 Vdc - 15 Vdc / 3 A	9927480005
5 Vdc / 3 A	
85 Vac, 120 Vdc	
115-230 Vac ±10 %, 50/60 Hz	
265 Vac, 300 Vdc	
1.10 A RMS ± 20%	
0.55 A RMS ± 20%	
590 mA ± 20%	
315 mA ± 20%	
2 A slow fuse (internal)	
Thermistor	
Varistor	
100 kHz PWM	
78%	
<50 mV RMS	
1.0%	
0.8%	
Overvoltage switch-off with automatic reset plus thermal switch-off	
10 000 µF	
30 ms	
180 ms	
-40 °C...+85 °C	
-20 °C...+40 °C max. full rated load	
Derating: 24 V-2.1 A at 50 °C, 24 V-1.5 A at 60 °C	
20 - 85% RH w/o condensation	
20 - 90% RH	
3 kV RMS	
3 kV RMS	
1.5 kV RMS	
500 V RMS	
26-12 AWG (0.1-4.0 mm ²)	
98 x 57 x 131	
478 g	
TS 35	
CSA, UL, CE	
Cat. No.	
7920560000	

Type	Cat. No.
CP-SNT 55 W	9917790324
24 Vdc / 2.3 A	
306 Vac	
360 - 480 Vac	
550 Vac	
120 mA RMS / Phase	
100 mA RMS / Phase	
3 x 1A slow fuse (internal)	
Thermistor	
Varistor	
100 kHz	
85%	
<50 mV RMS	
1.0%	
0.8%	
Overvoltage switch-off with automatic reset plus thermal switch-off	
10 000 µF	
120 ms	
120 ms	
-40 °C...+85 °C	
0 °C...+50 °C max. full rated load	
Derating: 10% at 60 °C	
20 - 85% RH w/o condensation	
20 - 90% RH w/o condensation	
3 kV	
3 kV	
1.5 kV	
500 V	
26-12 AWG (0.1-4.0 mm ²)	
108 x 60 x 168	
526 g	
TS 35	
cUL, UL, CE	
Cat. No.	
7920560000	

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