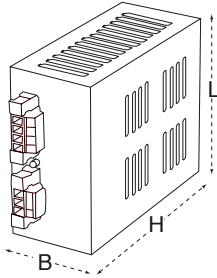


# Power Supplies



## Primary switched-mode power supplies

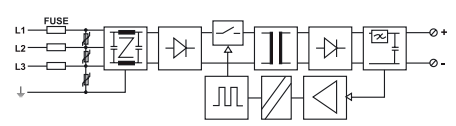
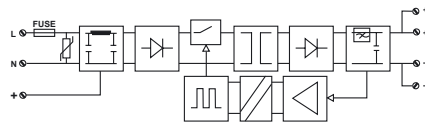


Diagram/schematic circuit diagram

CP-SNT 55W



CP-SNT 55W



Ordering data	
<b>Output voltage/max. current</b>	
<b>Input voltage</b>	<b>Minimum</b>
	<b>typical</b>
	<b>Maximum</b>
<b>Input current</b>	<b>at 115 Vac</b>
	<b>at 360 Vac</b>
(Mean value; serves as reference only)	<b>at 230 Vac</b>
	<b>at 125 Vdc</b>
	<b>at 250 Vdc</b>
<b>Input protection</b>	Fuse
	Making current
	Overtoltage
<b>Switching frequency</b>	100 kHz PWM
<b>Efficiency at max. load</b>	78%
<b>Max. ripple</b>	<50 mV RMS
<b>Regulation</b>	load (10-100% load)
	at Input voltage
<b>Overload protection</b>	Overvoltage switch-off with automatic reset plus thermal switch-off
<b>Max. capacity at output</b>	10 000 µF
<b>Hold time</b>	at 115 Vac
	at 360 Vac
(Max. output current following input loss)	at 230 Vac
	at 480 Vac
<b>Storage temperature</b>	-40 °C...+85 °C
<b>Operating temperature</b>	-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
<b>Humidity</b>	Operating temperature
	Storage temperature
<b>Galvanic isolation</b>	Input-output
	Input/output to mounting rail
	Input to earth
	Output to earth
<b>Wire diameter</b>	26-12 AWG (0.1-4.0 mm <sup>2</sup> )
<b>Dimensions in mm (L x W x H)</b>	98 x 57 x 131
<b>Weight</b>	478 g
<b>Mounts on mounting rail</b>	TS 35
<b>Approvals/certifications</b>	
<b>Accessories</b>	
Mounting bracket for mounting on a wall	Cat. No. 7920560000

Type	Cat. No.
CP-SNT 55 W	9927480024
<b>24 Vdc-28 Vdc / 2.3 A</b>	<b>9927480024</b>
<b>48 Vdc / 1.04 A</b>	<b>9927480048</b>
<b>12 Vdc - 15 Vdc / 3 A</b>	<b>9927480012</b>
<b>5 Vdc / 3 A</b>	<b>9927480005</b>
<b>Input voltage</b>	<b>85 Vac, 120 Vdc</b>
	<b>115-230 Vac ±10 %, 50/60 Hz</b>
	<b>265 Vac, 300 Vdc</b>
<b>Input current</b>	<b>1.10 A RMS ± 20%</b>
(Mean value; serves as reference only)	<b>0.55 A RMS ± 20%</b>
	<b>590 mA ± 20%</b>
	<b>315 mA ± 20%</b>
<b>Input protection</b>	2 A slow fuse (internal)
	Thermistor
	Varistor
<b>Switching frequency</b>	100 kHz PWM
<b>Efficiency at max. load</b>	78%
<b>Max. ripple</b>	<50 mV RMS
<b>Regulation</b>	load (10-100% load)
	1.0%
	0.8%
<b>Overload protection</b>	Overvoltage switch-off with automatic reset plus thermal switch-off
<b>Max. capacity at output</b>	10 000 µF
<b>Hold time</b>	30 ms
(Max. output current following input loss)	180 ms
<b>Storage temperature</b>	-40 °C...+85 °C
<b>Operating temperature</b>	-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
<b>Humidity</b>	Operating temperature
	Storage temperature
<b>Galvanic isolation</b>	Input-output
	Input/output to mounting rail
	Input to earth
	Output to earth
<b>Wire diameter</b>	26-12 AWG (0.1-4.0 mm <sup>2</sup> )
<b>Dimensions in mm (L x W x H)</b>	98 x 57 x 131
<b>Weight</b>	478 g
<b>Mounts on mounting rail</b>	TS 35
<b>Approvals/certifications</b>	
CSA, UL, CE	
<b>Accessories</b>	
Mounting bracket for mounting on a wall	Cat. No. 7920560000

Type	Cat. No.
CP-SNT 55 W	9917790324
<b>24 Vdc / 2.3 A</b>	<b>9917790324</b>
<b>Input voltage</b>	<b>306 Vac</b>
	<b>360 - 480 Vac</b>
	<b>550 Vac</b>
<b>Input current</b>	<b>120 mA RMS / Phase</b>
(Mean value; serves as reference only)	<b>100 mA RMS / Phase</b>
<b>Input protection</b>	3 x 1A slow fuse (internal)
	Thermistor
	Varistor
<b>Switching frequency</b>	100 kHz
<b>Efficiency at max. load</b>	85%
<b>Max. ripple</b>	<50 mV RMS
<b>Regulation</b>	load (10-100% load)
	1.0%
	0.8%
<b>Overload protection</b>	Overvoltage switch-off with automatic reset plus thermal switch-off
<b>Max. capacity at output</b>	10 000 µF
<b>Hold time</b>	120 ms
(Max. output current following input loss)	120 ms
<b>Storage temperature</b>	-40 °C...+85 °C
<b>Operating temperature</b>	0 °C...+50 °C max. full rated load
	Derating: 10% at 60 °C
<b>Humidity</b>	Operating temperature
	Storage temperature
<b>Galvanic isolation</b>	Input-output
	Input/output to mounting rail
	Input to earth
	Output to earth
<b>Wire diameter</b>	26-12 AWG (0.1-4.0 mm <sup>2</sup> )
<b>Dimensions in mm (L x W x H)</b>	108 x 60 x 168
<b>Weight</b>	526 g
<b>Mounts on mounting rail</b>	TS 35
<b>Approvals/certifications</b>	
cUL, UL, CE	
<b>Accessories</b>	
Mounting bracket for mounting on a wall	Cat. No. 7920560000