



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



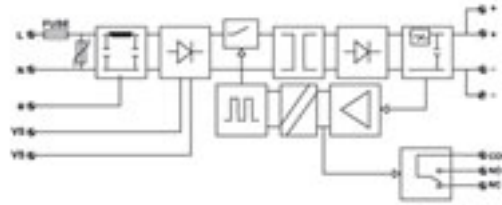
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General ordering data

Order No.	9916250024
Part designation	CP SNT 300W 24V 12.5A
Version	Switched-mode power supplies, 86...265 V AC, 100...200 V DC; type 115...230 V AC , single-phase, 22...28 V DC adjustable
EAN	4032248217762
Qty.	1 pc(s).

Input

Connection system	Screw connection
Input current	3.3 A @ 115 V AC; 1.65 A @ 230 V AC
Input current at 100 Vdc	3.7A +/- 10%
Input current at 115 Vac	3.3A +/- 10%
Input current at 200 Vdc	1.85A +/- 10%
Input current at 230 Vac	1.65A +/- 10%
Input frequency	50/ 60 Hz
Input fuse	Thermistor
Input voltage	86...265 V AC, 100...200 V DC; type 115...230 V AC
Max. connection range	AWG26-12 (0.1-4.0 mm ²)
Power factor input	0.99 (PFC)
Remote activation on/off	REMOTE on/off, via external switching contact that can switch the power supply unit on or off with 12 Vdc to 24 Vdc.
Surge protection	Varistor
Turn-on current limit	Thermistor

output

Connection system	Screw connection
Control at 10...100% load	0.2 %
Control at input voltage	0.1 %
Mains failure bridge-over time	40 ms @ 115 V AC / 40 ms @ 230 V AC
Mains failure bridge-over time for 115 V AC	40 ms
Mains failure bridge-over time for 230 V AC	40 ms

output

Max. capacitance at output	10000 µF
Max. connection range	AWG26-12 (0.1-4.0 mm ²)
Max. output power	300 W
Max. residual ripple	at 100 kHz: 2 mV At 120 Hz: 20 mV AC
Monitoring function	Output voltage, current, temperature
Output current	12.5 A
Output voltage	22...28 V DC adjustable
Overload protection	Overload current and surge protection
Parallel connection option	Yes, max. 5 devices, active current splitting
Signalling delay	2 s
Status relay / CO contact	1 CO contact, closed-circuit current principle
Voltage stability at 115 V AC	40 ms
Voltage stability at 230 V AC	40 ms

General data

DIN Rail compatibility	TS 35
Degree of efficiency at max. load	80 %
Derating	Derating: 20% @ 60°C
EMC standards	EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3
Housings	metal
Low Voltage Directive	73/ 23/ EWG
Making time at 115 Vac	1.5 ms
Power factor correction	PFC passive
Standards	EN 50178, EN 60950, IEC950
Status indication	Current limiting: LED yellow / Error: LED red/ On: LED green
Switching frequency	100 kHz
Turn-on time at 230 Vac	0.7 ms
Weight	1,180 g
Ambient temperature (operational)	-15°C...+50°C (at 100% duty cycle)
Storage temperature	-40 °C...+85 °C

Insulation coordination

Galvanic isolation, I/O rail	4 kV
Galvanic isolation, input-earth	1.5 kV
Galvanic isolation, input-output	3 kV
Galvanic isolation, output-earth	0.5 kV
Humidity at operating temperature	20 - 85% RH without condensation
Humidity at storage temperature	20 to 90% RH without condensation
Insulation strength	I/O: 3000 V rms, I/O: TS:4000 V rms, Input/PE: 2500 V rms, Output/PE: 500 V rms
Protection class	IP 20

Approvals

Approvals institutes



Classifications

eClass 4.1	27-24-04-10
eClass 5.0	27-24-22-13
eClass 5.1	27-04-90-02

Similar products

Order No.	Part designation	Version
9927480048	CP SNT 55W 48V 1.04A	Switched-mode power supplies, 85...265 V AC, 120...300 V DC , single-phase, 48 V DC
9927480024	CP SNT 55W 24-28V 2.3A	Switched-mode power supplies, 85...265 V AC, 120...300 V DC , single-phase, 24...28 V DC
9927480012	CP SNT 55W 12-15V 3A	Switched-mode power supplies, 85...265 V AC, 120...300 V DC , single-phase, 12...15 V DC
9927480005	CP SNT 55W 5V 3A	Switched-mode power supplies, 85...265 V AC, 120...300 V DC , single-phase, 5 V DC
9925340048	CP SNT 160W 48V 3.5A	Switched-mode power supplies, Min. 85/138 V AC, max. 195/250 V AC, typ. 115...230 V AC , single-phase, 48 V DC
9925340024	CP SNT 160W 24-28V 6.5A	Switched-mode power supplies, Min. 85/138 V AC, max. 195/250 V AC, typ. 115...230 V AC , single-phase, 24...28 V DC
9925340012	CP SNT 160W 12-15V 8A	Switched-mode power supplies, Min. 85/138 V AC, max. 195/250 V AC, typ. 115...230 V AC , single-phase, 12...15 V DC
9925340005	CP SNT 160W 5V 8A	Switched-mode power supplies, Min. 85/138 V AC, max. 195/250 V AC, typ. 115...230 V AC , single-phase, 5 V DC