



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