

CP SNT 250W 24V 10A**General ordering data**

Order No.	8708680000
Part designation	CP SNT 250W 24V 10A
Version	Switched-mode power supplies, 88...132 V AC/176...264 V AC selectable; 250...370 V DC , single-phase, 24...28 V DC (adjustable with potentiometer)
EAN	4032248380848
Qty.	1 pc(s).

Input

Connection system	Screw connection
Input current	3.6 A @ 115 V AC / 2 A @ 230 V AC
Input frequency	50/ 60 Hz
Input fuse	Fusible link 5 A (T) / 250 V
Input voltage	88...132 V AC/176...264 V AC selectable; 250...370 V DC
Max. connection range	AWG26-12 (0.1-4.0 mm ²)
Surge protection	Varistor

output

Connection system	Screw connection
Control at 10...100% load	< 2 %
Control at input voltage	0.5 %
Mains failure bridge-over time for 115 V AC	10 ms
Mains failure bridge-over time for 230 V AC	15 ms

Max. capacitance at output	40000 μ F
Max. connection range	AWG26-12 (0.1-4.0 mm ²)
Max. output power	240 W
Max. residual ripple	< 100 mV _{SS} / bandwidth 20 MHz
Output current	0.1...10 A
Output voltage	24...28 V DC (adjustable with potentiometer)
Overload protection	105 %..130 % I _{konst} of max. output load; automatic reset
Parallel connection option	Recommended with diode module
Status relay / CO contact	250 V AC (max. 30 V DC) / 1 A

General data

DIN Rail compatibility	TS 35
Degree of efficiency at max. load	84 % @ 230 V AC
EMC standards	EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3
Housings	metal
Installation advice	Clearance: above/below \geq 3 cm
Low Voltage Directive	73/ 23/ EWG
Mounting position horizontal	on terminal rail TS 35
Standards	EN 60950 (SELV)
Status indication	Green LED
Weight	1.6 kg
Ambient temperature (operational)	-10 °C...+70 °C (derating from 55 °C)
Storage temperature	-20 °C...+85 °C

Insulation coordination

Galvanic isolation, input-earth	1.5 kV
Galvanic isolation, input-output	3 kV
Galvanic isolation, output-earth	0.5 kV
Protection class	IP 20

Dimensions

Clamping range, max.	6 mm ²
Clamping range, min.	0.13

Clamping range, nom.	4 mm ²
Length	110 mm
Height	125 mm
Width	125.5 mm

Approvals**Approvals institutes****Classifications**

ETIM 2.0	EC001039
ETIM 3.0	EC001039
eClass 4.1	27-24-04-10
eClass 5.0	27-24-22-13
eClass 5.1	27-24-22-13

Similar products

Order No.	Part designation	Version	Qty.	
▶ 8862780000	CP SNT 1000W 24V 40A	Switched-mode power supplies, 85...264 V AC , single-phase, 24...28 V DC (adjustable with potentiometer)	1 pc (s).	▶
▶ 8708660000	CP SNT 70W 24V 3A	Switched-mode power supplies, 85...264 V AC / 110...370 V DC , single-phase, 24...28 V DC (adjustable with potentiometer)	1 pc (s).	▶
▶ 8708670000	CP SNT 120W 24V 5A	Switched-mode power supplies, 88...132 V AC/176...264 V AC selectable; 250...370 V DC , single-phase, 24...28 V DC (adjustable with potentiometer)	1 pc (s).	▶
▶ 8708680000	CP SNT 250W 24V 10A	Switched-mode power supplies, 88...132 V AC/176...264 V AC selectable; 250...370 V DC , single-phase, 24...28 V DC (adjustable with potentiometer)	1 pc (s).	▶
▶ 8778870000	CP SNT 500W 24V 20A	Switched-mode power supplies, 88...132 V AC/176...264 V AC selectable; 250...370 V DC , single-phase, 24...28 V DC (adjustable with potentiometer)	1 pc (s).	▶