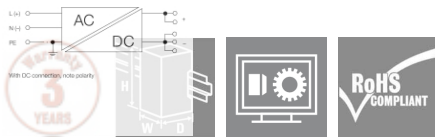


CP M SNT 250W 24V 10A



Electric
symbol

General ordering data

Delivery status	This article will no longer be available in the future.
Available until	2016-06-30
Alternative product	1478130000
Type	CP M SNT 250W 24V 10A
Order No.	8951360000
Version	Power supply, switch-mode power supply unit, 24 V
GTIN (EAN)	4032248742578
Qty.	1 pc(s).
Dimensions and weights	
Width	60 mm
Width (inches)	2.362 inch
Height	130 mm
Height (inches)	5.118 inch
Depth	150 mm
Depth (inches)	5.905 inch
Net weight	1,199.6 g
Temperatures	
Operating temperature	-25 °C...70 °C
Storage temperature	-40 °C...85 °C

Input

AC current consumption	1.2 A @ 230 V AC / 2.4 A @ 115 V AC
AC input voltage range	85...264 V AC (Derating @ 100 V AC)
Connection system	Screw connection
DC current consumption	0.8 A @ 370 V DC / 2.3 A @ 120 V DC
DC input voltage range	80...370 V DC (Derating @ 120 V DC)
Frequency range AC	47...63 Hz
Input fuse	Yes
Input fuse (internal)	Yes
Inrush current	max. 12 A
Rated input voltage	100...240 V AC (wide-range input) 4 A / DI, safety fuse
Recommended back-up fuse	10 A, Char. B, circuit breaker 5...10 A, Char. C, circuit breaker
Wire connection method	Screw connection

output

Continuous output current @ U_{Rated}	12 A @ 45 °C, 10.7 A @ 55 °C, 7.5 A @ 70 °C
Output current	10 A
Output power	250 W
Output voltage	24 V
Output voltage	22.5...29.5 V (adjustable via potentiometer on front)
Output voltage type	DC
Overload protection	Yes
Parallel connection option	yes, max. 5
Power reserve at nom. voltage	12 A for 1 min, ED = 5 %
Rated (nominal) output current @ U_{Nom}	10 A @ 60 °C
Rated output voltage	24 V DC \pm 1 %
Residual ripple, breaking spikes	< 50 mV _{SS} @ 24 V DC, I_N
Wire connection method	Screw connection

General data

AC failure bridging time @ I_{Nom}	> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
Current limiting	> 120 % I_N
Degree of efficiency	90 % @ 230 V AC / 87 % @ 115 V AC
Housing version	Metal, corrosion resistant

Indication	Operation, green LED
MTBF	> 500,000 h acc. to IEC 1709 (SN29500)
Mounting position, installation notice	Horizontal on TS35 mounting rail. 50 mm of clearance at top & bottom for air circ. Can mount side by side with no space in between.
Operating temperature	-25 °C...70 °C
Power factor (approx.)	> 0.99 @ 230 V AC / > 0.97 @ 115 V AC
Protection against over-heating	Yes
Protection against reverse voltages from the load	30...35 V DC
Protection degree	IP20
Short-circuit protection	Yes
EMC / shock / vibration	
Limiting of mains voltage harmonic currents	in accordance with EN 61000-3-2
Noise emission acc. to EN55022	Class B
Interference immunity test acc. to	EN 61000-4-2 (ESD) EN 61000-4-3 and EN 61000-4-8 (fields) EN 61000-4-4 (burst) EN 61000-4-5 (surge) EN 61000-4-6 (conducted) EN 61000-4-11 (dips)
Shock resistance IEC 60068-2-27	30 g in all directions
Insulation coordination	
Class of protection	I, with PE connection
Insulation voltage	3 kV input/output; 2 kV input/earth; 0.5 kV output/earth
Pollution severity	2
electrical isolation, input-earth	2 kV
electrical isolation, input-output	3 kV
electrical isolation, output-earth	0.5 kV
Electrical safety (applied standards)	
Electrical machine equipment	Acc. to EN60204
For use with electronic equipment	Acc. to EN50178 / VDE0160
Protection against dangerous shock currents	Acc. to VDE0106-101
Protective separation / protection against electrical shock	VDE0100-410 / acc. to DIN57100-410
Safety extra-low voltage	SELV acc. to EN60950, PELV acc. to

Safety transformers for switch-mode power supplies nach EN61558-2-16

Connection data (input)

Conductor cross-section, AWG/kcmil , max.	12
Conductor cross-section, AWG/kcmil , min.	26
Conductor cross-section, flexible , min.	0.5 mm ²
Conductor cross-section, rigid , max.	6 mm ²
Conductor cross-section, rigid , min.	0.5 mm ²
Connection system	Screw connection
Number of terminals	3 for L/N/PE
Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.5 Nm
Wire connection cross section, flexible (input), max.	2.5 mm ²

Connection data (output)

Conductor cross-section, AWG/kcmil , max.	12
Conductor cross-section, AWG/kcmil , min.	26
Conductor cross-section, flexible , max.	2.5 mm ²
Conductor cross-section, flexible , min.	0.5 mm ²
Conductor cross-section, rigid , max.	6 mm ²
Conductor cross-section, rigid , min.	0.5 mm ²
Number of terminals	5 (++ / ---)
Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.5 Nm

Approvals

Institute (GERMLLOYD)



Certificate No. (GERMLLOYD)

94767-10

Institute (cULus)



Certificate no. (cULus)

E258476

Institute (cURus)



Certificate No. (cURus)

E255651

Product information

Descriptive text ordering data

The internal varistor found in a switch-mode power supply does not replace the necessary surge protection in a system.

*) Recommendation applies only to AC operation; the max. permissible operating voltage is to be observed in all cases!

Descriptive text technical data

Downloads

Approval/Certificate/Document of Conformity

[DE_PA5200_160512_004.pdf](#)

Engineering Data

[EPLAN, WSCAD](#)

User Documentation

[Information zur Gewährleistung](#)
[Operating instructions](#)

Classifications

ETIM 3.0	EC001039
ETIM 4.0	EC002541
ETIM 5.0	EC002541
ETIM 6.0	EC002540
eClass 5.1	27-04-90-02
eClass 6.2	27-04-90-04
eClass 7.1	27-04-90-04
eClass 8.1	27-04-90-04
eClass 9.0	27-04-07-03
eClass 9.1	27-04-07-01

Approvals

Approvals



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