

Pro-E
CP E SNT 250W 24V 10.5A

Weidmüller Interface GmbH & Co. KG
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With your applications in industrial automation, you appreciate a power supply with high levels of stability yet wish to remain flexible at the same time. Our new wall-mounted PRO-E power supply offers outstanding value for money and has been developed for universal usage. Thanks to the wide variety of models with output voltages of 5 V, 12 V, 24 V and 48 V as well as extensive international approvals, it is suitable for use in many applications. The power bandwidth ranges from 25 W up to 350 W. Individual adaptability makes PRO-E the right choice for your power supply

General ordering data

Type	CP E SNT 250W 24V 10.5A
Order No.	1202530000
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	4050118031591
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	115 mm	Width (inches)	4.528 inch
Height	49.5 mm	Height (inches)	1.949 inch
Depth	231 mm	Depth (inches)	9.094 inch
Net weight	1,022 g		

Temperatures

Storage temperature, max.	85 °C	Storage temperature, min.	-20 °C
Ambient temperature	-20°C...70°C (>50°C derating, refer derated curve); 70% rated load @ 70°C	Storage temperature	-20 °C...85 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (cURus)	E349964
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Input

AC current consumption	2.5 A @ 230 V AC / 4.7 A @ 120 V AC	AC input voltage range	88...132 V AC / 176...264 V AC optional
Connection system	Screw connection	DC input voltage range	250...370 V DC
Frequency range AC	47...63 Hz	Input fuse (internal)	yes / max. 35A
Rated input voltage	100...240 V AC (wide-range input)	Recommended back-up fuse	6 A at 230 V AC, characteristic curve C

Output

Mains failure bridge-over time	20 ms	Output current	10.5 A @ 24 V DC
Output power	250 W	Output voltage	± 10% nominal output voltage tolerance, adjustable with potentiometer
Overload protection	120~150% I _{konst.} of max. output power, automatic restart	Parallel connection option	Recommended with diode module
Rated output voltage	24 V DC	Residual ripple, breaking spikes	< 100 mV _{pp}
Surge protection	28...32 V @ 24 V DC		

General data

AC failure bridging time @ I _{nom}	min. 20 ms	Ambient temperature	-20°C...70°C (>50°C derating, refer derated curve); 70% rated load @ 70°C
Degree of efficiency	81 % @ 24 V DC	EMC standards	EN 55011, EN 55022, EN 55024, EN 61000-6 /-2, -3
Indication	Operation, green LED	Max. perm. air humidity (operational)	5 %...95 % RH
Mounting position, installation notice	Panel mount, screw fix	Protection degree	IP20
Short-circuit protection	Yes	Standards	EN 60950

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Data sheet

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Technical data

System data

Output current 10.5 A @ 24 V DC

EMC / shock / vibration

Noise emission in accordance with EN55032 Class A

Insulation coordination

electrical isolation, input-earth	2 kV	electrical isolation, input-output	3 kV
electrical isolation, output-earth	0.5 kV		

Electrical safety (applied standards)

Safety extra-low voltage SELV according to EN 60950

Connection data (input)

Connection system Screw connection

Approvals

Institute (cURus)  Certificate No. (cURus)

E349964

Classifications

ETIM 6.0	EC002540	ETIM 7.0	EC002540
eClass 9.0	27-04-07-01	eClass 9.1	27-04-07-01
eClass 10.0	27-04-07-01		

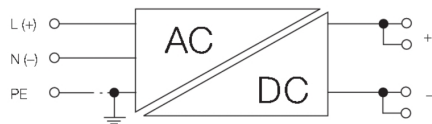
Approvals

Approvals 

ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	DE_PA5200_160418_001.pdf
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP

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Bei DC-Anschluss auf Polarität achten