

Pro-E
CP E SNT 100W 5V 16A**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

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 100W 5V 16A
Order No.	1165820000
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	4032248956678
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	97.5 mm	Width (inches)	3.839 inch
Height	40 mm	Height (inches)	1.575 inch
Depth	164 mm	Depth (inches)	6.457 inch
Net weight	551 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	1.5 A @ 230 V AC / 3 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. 20A
Rated input voltage	100...240 V AC (wide-range input)	Recommended back-up fuse	4 A at 230 V AC, characteristic curve C

Output

Mains failure bridge-over time	20 ms	Output current	16 A@5 V DC
Output power	100 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	5 V DC	Residual ripple, breaking spikes	< 100 mV _{pp}
Surge protection	5.6...6.8 V @ 5 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	77 % @ 5 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

Creation date May 2, 2020 9:31:11 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

Data sheet

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System data

Output current 16 A@5 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 

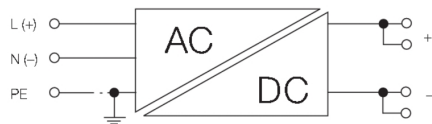
ROHS Conform

Downloads

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

Data sheet**Pro-E
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Drawings

Bei DC-Anschluss auf Polarität achten