

CP SNT 160W 24-28V 6.5A

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

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Germany

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One-phase switched-mode power unit in a compact metal housing for rail mounting

Performance classes 55 W, 160 W, 300 W. These power supplies can be universally deployed because of their wide input range

from 85 V AC to 265 V AC. They are available with output voltages of 5 V, 12 V, 24 V and 48 V.

The 300 W ConnectPower power pack includes active PFC control and comprehensive monitoring functions.

To increase the power output, up to five power units can be connected in parallel without decoupling on the output side.

General ordering data

Order No.	9925340024
Type	CP SNT 160W 24-28V 6.5A
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	4032248217748
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	175 mm	Width	57 mm
Height	127 mm	Depth	175 mm
Weight	880 g	Net weight	958.1 g

Temperatures

Operating temperature	0 °C...+50 °C	Storage temperature	-40 °C...+85 °C
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Input

Conductor connection system	Screw connection	Connection range	AWG 26-12 / 0.13 to 4.0 mm ²
Input current	2.9 A @ 115 V AC; 1.45 A @ 230 V AC	Input frequency	50/ 60 Hz
Input fuse	6.3 A time-lag fuse (internal)	Input voltage (voltage mode input)	min. 85/138 V AC, max. 195/250 V AC, typ. 115...230 V AC
Surge protection	Varistor	Turn-on current limit	Thermistor

output

Conductor connection system	Screw connection	Connection range	AWG 26-12 / 0.13 to 4.0 mm ²
Control at 10...100% load	1%	Control at input voltage	0.5%
Mains failure bridge-over time	40 ms @ 115 V AC / 50 ms @ 230 V AC	Max. capacitance at output	6000 µF
Max. residual ripple	0.2 % _{eff}	Output current	6.5 A
Output power	156 W	Output voltage type	DC
Output voltage, max.	28 V	Output voltage, min.	24 V
Overload protection	Overload current and surge protection	Parallel connection option	No
Surge protection	Varistor		

General data

Building Width	57 mm	Building height	127 mm
Degree of efficiency at max. load	85%	Depth	175 mm
EMC standards	EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3	Low Voltage Directive	73/ 23/ EWG
Mounting position, installation notice	horizontally, on terminal rail TS 35	Operating temperature	0 °C...+50 °C
Power factor correction	No	Standards	DIN EN 50178, DIN EN 60950, IEC950
Status indication	Green LED	Switching frequency	65 kHz
Weight	880 g		

Insulation coordination

Humidity at operating temperature	20 to 85% RH without condensation	Humidity at storage temperature	20 to 90% RH without condensation
electrical isolation, I/O rail	3 kV	electrical isolation, input-earth	1.5 kV
electrical isolation, input-output	3 kV	electrical isolation, output-earth	0.5 kV

Signalling

Status indication	Green LED
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Creation date February 26, 2013 7:13:45 PM CET

Data sheet...

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Technical data

Approvals

Institute (CSA)



Certificate No. (CSA)

200039-1082438

Classifications

ETIM 2.0	EC001039	ETIM 3.0	EC001039
UNSPSC	30-21-18-01	eClass 4.1	27-24-04-10
eClass 5.1	27-04-90-02	eClass 6.0	27-04-90-04
eClass 7.0	27-04-90-04		

Approvals

Approvals



Downloads

Declaration of Conformity [ECC2534_02_09.pdf](#)

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Drawings**Electric symbol**