

**ConnectPower
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

Delivery status	This article will no longer be available in the future.
Available until	2015-02-28
Type	CP SNT 160W 24-28V 6.5A
Order No.	9925340024
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	4032248217748
Qty.	1 pc(s).
Alternative product	1478120000

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Technical data
Dimensions and weights

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

Temperatures

Humidity at operating temperature	20 to 85% RH without condensation	Humidity at storage temperature	20 to 90% RH without condensation
Operating temperature	0 °C...50 °C	Storage temperature	-40 °C...85 °C

Input

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	Wire connection method	Screw connection

output

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	24...28 V	Output voltage type	DC
Overload protection	Overload current and surge protection	Parallel connection option	No
Surge protection	Varistor	Wire connection method	Screw connection

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

Data sheet

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Signalling

Status indication Green LED

Approvals

Institute (CSA)



Certificate No. (CSA)

200039-1753935CB

Institute (cULus)



Certificate no. (cULus)

E196651

Classifications

ETIM 3.0	EC001039	ETIM 4.0	EC002541
ETIM 5.0	EC002541	ETIM 6.0	EC002541
UNSPSC	30-21-18-01	eClass 5.1	27-04-90-02
eClass 6.2	27-04-90-04	eClass 7.1	27-04-90-04

Product information

Descriptive text technical data Derating loss: 10% @ 60°C The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

Descriptive text accessories Bracket for wall mounting: 7920560000

Approvals

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ROHS Conform

Downloads

Declaration of Conformity [ECC2534_02_09.pdf](#)

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Drawings

Electric symbol

