

**ConnectPower  
CP SNT 55W 24-28V 2.3A**

**Weidmüller Interface GmbH & Co. KG**  
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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	<b>This article will no longer be available in the future.</b>
Available until	2015-02-28
Type	CP SNT 55W 24-28V 2.3A
Order No.	<a href="#">9927480024</a>
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	4032248217595
Qty.	1 pc(s).
Alternative product	<a href="#">1478100000</a>

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## Technical data

### Dimensions and weights

Width	57 mm	Height	98 mm
Depth	131 mm	Weight	478 g
Net weight	637 g		

### Temperatures

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

### Input

Connection range	AWG 26-12 / 0.13 to 4.0 mm <sup>2</sup>	Input current	1.1 A @ 115 V AC; 0.55 A @ 230 V AC
Input current at 115 Vac	1.10 A RMS ± 20%	Input current at 125 Vdc	590 mA ± 20%
Input current at 230 Vac	0.55 A RMS ± 20%	Input current at 250 Vdc	315 mA ± 20%
Input frequency	50/ 60 Hz	Input fuse	2 A time-lag fuse (internal)
Input voltage (voltage mode input)	85...265 V AC, 120...300 V DC	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 <sup>2</sup>	Control at 10...100% load	1%
Control at input voltage	0.80%	Mains failure bridge-over time	30 ms @ 115 V AC / 180 ms @ 230 V AC
Max. capacitance at output	10000 µF	Max. residual ripple	< 50 mV <sub>eff</sub>
Output current	2.3 A	Output power	55 W
Output voltage	24...28 V	Output voltage type	DC
Overload protection	Surge current / thermal cut-out	Parallel connection option	No
Surge protection	Varistor	Wire connection method	Screw connection

### General data

Building Width	57 mm	Building height	98 mm
Degree of efficiency at max. load	78%	Depth	131 mm
EMC standards	IEC 61000-6 /-2, -3	Low Voltage Directive	73/ 23/ EWG
Mounting position, installation notice	horizontally, on terminal rail TS 35	Operating temperature	-20 °C...40 °C
Power factor correction	No	Standards	DIN EN 50178, DIN EN 60950, IEC950
Status indication	Green LED	Switching frequency	100 kHz
Weight	478 g		

### Insulation coordination

Humidity at operating temperature	20 to 85% RH without condensation	Humidity at storage temperature	20 to 90% RH
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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**Data sheet**

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**Approvals**

Institute (CSA)		Certificate No. (CSA)	200039-1753630CB
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°CThe 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**

Approvals	
ROHS	Conform

**Downloads**

Declaration of Conformity	<a href="#">ECC2748_02_09.pdf</a>
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**Drawings**

**Electric symbol**

