

**WAVESERIES**  
**CP SNT 12W 24V 0.5A**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
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Germany  
Fon: +49 5231 14-0  
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Switched-mode power unit with an output power of 12 W / 24 V @ 0.5 A in compact WAVEBOX housing just 22.5 mm wide, for mounting directly on the terminal rail.

**General ordering data**

Type	CP SNT 12W 24V 0.5A
Order No.	<a href="#">9918840024</a>
Version	Power supply, switch-mode power supply unit, 24 V
GTIN (EAN)	4032248217519
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Width	22.5 mm	Width (inches)	0.886 inch
Height	92.4 mm	Height (inches)	3.638 inch
Depth	112.4 mm	Depth (inches)	4.425 inch
Net weight	151.9 g		

**Temperatures**

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

**Input**

Connection range	0.5 mm <sup>2</sup> to 2.5 mm <sup>2</sup>	Connection system	Screw connection
DC input voltage range	80...370 V DC	Input current	260 mA @ 115 V AC; 180 mA @ 230 V AC
Input current at 115 Vac	260 mA <sub>eff</sub> ± 20%	Input current at 125 Vdc	125 mA ± 20%
Input current at 230 Vac	180 mA <sub>eff</sub> ± 20%	Input current at 250 Vdc	65 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
Wire connection method	Screw connection		

**output**

Connection range	0.5 mm <sup>2</sup> to 2.5 mm <sup>2</sup>	Control at 10...100% load	0.6%
Control at input voltage	0.2%	Mains failure bridge-over time	30 ms @ 115 V AC / 80 ms @ 230 V AC
Max. capacitance at output	8000 µF	Max. residual ripple	0.1 %
Output current	0.5 A	Output power	12 W
Output voltage	24 V	Output voltage type	DC
Overload protection	Surge current / thermal cut-out	Parallel connection option	No
Rated output voltage	24 V DC ± 1 %	Surge protection	Varistor
Wire connection method	Screw connection		

**General data**

Building Width	22.5 mm	Building height	92.4 mm
Degree of efficiency at max. load	80%	Depth	112.4 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...50 °C
Power factor correction	No	Protection degree	IP20
Short-circuit protection	Yes	Standards	DIN EN 50178, DIN EN 60950, IEC950
Status indication	Green LED		

**System data**

Output current	0.5 A
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# Data sheet

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# Technical data

### 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	4 kV	electrical isolation, input-earth	1.5 kV
electrical isolation, input-output	3 kV	electrical isolation, output-earth	0.5 kV



### Connection data (input)

Connection system                      Screw connection

### Signalling

Status indication                      Green LED

### Approvals

Institute (CSA)		Certificate No. (CSA)	200039-1311856
Institute (cULus)		Certificate no. (cULus)	E196651

### Classifications

ETIM 3.0	EC001039	ETIM 4.0	EC002541
ETIM 5.0	EC002541	ETIM 6.0	EC002540
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
eClass 8.1	27-04-90-04	eClass 9.0	27-04-07-03
eClass 9.1	27-04-07-01		

### Product information

Descriptive text ordering data                      The internal varistor found in a switch-mode power unit does not replace the necessary surge protection in a system.

Descriptive text accessories                      Supply voltage 24 V and 0 V can be cross-connected with ZQV 2.5N/2

### Approvals

Approvals



ROHS	Conform
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### Downloads

Brochure/Catalogue                      [CAT 4.3 ELECTR 15/16 EN](#)

Engineering Data                      [EPLAN, WSCAD](#)

**Data sheet**

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**Drawings**

**Electric symbol**

