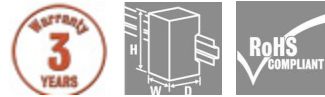


**ECOLINE  
CP SNT 500W 24V 20A**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



One-phase switched-mode power unit in a compact metal housing for rail mounting in performance classes 70 to 1000 W. The ECOLINE power supplies can be universally deployed because of their wide input range from 85 V AC to 265 V AC. A floating relay contact in the output circuit indicates short-circuits and overloads.

**General ordering data**

Type	CP SNT 500W 24V 20A
Order No.	<a href="#">8778870000</a>
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	4032248449316
Qty.	1 pc(s).

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## Technische Daten

### Dimensions and weights

Width	227.5 mm	Height	125 mm
Depth	110 mm	Weight	2 kg
Net weight	2,914 g		

### Temperatures

Operating temperature	-10 °C...+70 °C (Derating ab 55 °C)	Storage temperature	-20 °C...+85 °C
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### Input

Connection range	AWG 26-12 / 0.13 to 6.0 mm <sup>2</sup>	Input current	9 A @ 115 V AC / 6 A @ 230 V AC
Input frequency	50/ 60 Hz	Input fuse	Fusible link 10 A (T) / 250 V
Input fuse (internal)	Yes	Input voltage (voltage mode input)	88...132 V AC/176...264 V AC selectable; 250...370 V DC
Recommended back-up fuse	10 - 16 A Char. C, circuit breaker	Surge protection	Varistor
Wire connection method	Screw connection		

### output

Connection range	AWG 26-12 / 0.13 to 6.0 mm <sup>2</sup>	Control at 10...100% load	<2%
Control at input voltage	0.5%	Mains failure bridge-over time	10 ms @ 115 V AC / 15 ms @ 230 V AC
Max. capacitance at output	40000 µF	Max. residual ripple	< 100 mV <sub>PP</sub> / bandwidth 20 MHz
Output current	2...20 A @ 200...240 V AC; 2...16 A @ 100...120 V AC	Output power	480 W
Output voltage type	DC	Output voltage, max.	28 V
Output voltage, min.	24 V	Output voltage, note	(adjustable via potentiometer)
Overload protection	105 %..130 % I <sub>const</sub> of max. output load; automatic reset	Parallel connection option	Recommended with diode module
Status relay CO contact	250 V AC (max. 30 V DC) / 1 A	Surge protection	30...36 V
Wire connection method	Screw connection		

### General data

Building Width	227.5 mm	Building height	125 mm
Degree of efficiency at max. load	86%	Depth	100 mm
EMC standards	EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3	Installation advice	Clearance: above/below ≥ 3 cm
Low Voltage Directive	73/ 23/ EWG	Mounting position, installation notice	horizontally, on terminal rail TS 35
Operating temperature	-10 °C...+70 °C (Derating ab 55 °C)	Short-circuit protection	Yes
Standards	DIN EN 60950 (SELV)	Status indication	Green LED
Weight	2 kg		

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## Technische Daten

### Insulation coordination

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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### Approvals

Institute (GERMLLOYD)		Certificate No. (GERMLLOYD)	
			44943-07
Institute (cULus)		Certificate no. (cULus)	
			E258476
Institute (cURus)		Certificate No. (cURus)	
			E255651

### Classifications


ETIM 3.0	EC001039	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 ordering data	The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.
Descriptive text technical data	For redundancy operation or to maintain the alert function, only operate with the diode module.

### Approvals

Approvals



ROHS	Conform
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### Downloads

Declaration of Conformity	<a href="#">K472_01_12.pdf</a>
PDF	<a href="#">Warranty information</a>
<a href="#">3D Modell</a>	

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**Zeichnungen**

**Electric symbol**

