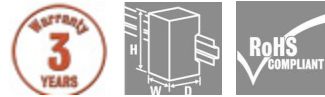


## INSTA CP SNT 48W 48V 1A

**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 installation housing in performance classes 24 and 48 W. .  
 The INSTA power units can be universally deployed because of their wide input range from 85 V AC to 265 V AC.  
 They are available with output voltages from 5 V to 48 V.

### General ordering data

Type	CP SNT 48W 48V 1A
Order No.	<a href="#">8879230000</a>
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	40322486 15 148
Qty.	1 pc(s).

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## Technische Daten

### Dimensions and weights

Width	70 mm	Height	90.5 mm
Depth	62.5 mm	Weight	0.2 kg
Net weight	380 g		

### Temperatures

Humidity at operating temperature	5...95% (indoor), $T_u = 40^\circ\text{C}$ , no condensation	Operating temperature	-10 °C...+70 °C (Derating ab 55 °C)
Storage temperature	-20 °C...+85 °C		

### Input

Input current	500 mA at rated load @ 230 V AC	Input current at 115 Vac	500 mA
Input current at 230 Vac	500 mA	Input frequency	50/ 60 Hz
Input fuse	Fusible link 2.5 A (T) / 250 V	Input voltage (voltage mode input)	85...264 V AC / 110...370 V DC
Turn-on current limit	Yes	Wire connection method	Screw connection

### output

Control at 10...100% load	1%	Mains failure bridge-over time	11 ms @ 115 V AC / 50 ms @ 230 V AC
Max. capacitance at output	10000 $\mu\text{F}$	Max. residual ripple	120 mV <sub>SS</sub>
Output current	1 A	Output power	48 W
Output voltage type	DC	Output voltage, max.	55 V
Output voltage, min.	46 V	Output voltage, note	(adjustable via potentiometer)
Overload protection	105 %...150 % $I_{\text{const}}$ of max. output load; automatic reset	Parallel connection option	Max. 3 devices (rated voltages are to be calibrated at $\pm 20$ mV)
Surge protection	Varistor	Wire connection method	Screw connection

### General data

Building Width	62.5 mm	Building height	90.5 mm
Degree of efficiency at max. load	80%	EMC standards	EN 55011, EN 55022, EN 61000-3-2,-3, EN 61000-6-2,-3,-4
Installation advice	For side-by-side mounting, clearance: above/below > 30 mm	MTBF	> 500,000 h acc. to IEC 1709 (SN29500)
Mounting position, installation notice	horizontally, on terminal rail TS 35	Operating temperature	-10 °C...+70 °C (Derating ab 55 °C)
Standards	DIN EN 50178 (PELV), DIN EN 60950 (SELV)	Status indication	Green LED
Weight	0.2 kg		

### Insulation coordination

Humidity at operating temperature	5...95% (indoor), $T_u = 40^\circ\text{C}$ , no condensation	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		

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**Technische Daten**

**Signalling**

Status indication Green LED

**Approvals**

Institute (UL)		Certificate No. (UL)	E252191
Institute (cURus)		Certificate No. (cURus)	E255651

**Rated data UL**

Certificate No. (UL) E252191

**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 necessary surge protection in a system.

**Approvals**

Approvals	
ROHS	Conform

**Downloads**

Package insert	<a href="#">Operating Instructions</a>
Declaration of Conformity	<a href="#">K499_08_12.pdf</a>
PDF	<a href="#">Warranty information</a>
<a href="#">3D Modell</a>	

**Datenblatt**

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**Zeichnungen**

**Electric symbol**

