

## INSTA CP SNT 48W 24V 2A

**Weidmüller Interface GmbH & Co. KG**  
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 Germany  
 Fon: +49 5231 1429-0  
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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 24V 2A
Order No.	<a href="#">8739140000</a>
Version	Power supply, switch-mode power supply unit, 24 V
GTIN (EAN)	4032248411924
Qty.	1 pc(s).

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

Width	70 mm	Width (inches)	2.756 inch
Height	90.5 mm	Height (inches)	3.563 inch
Depth	62.5 mm	Depth (inches)	2.461 inch
Weight	0.2 kg	Net weight	260.25 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**

Connection system	Screw connection	DC input voltage range	80...370 V DC
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
Inrush Current Limitation	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	2 A	Output power	48 W
Output voltage	24 V	Output voltage	15...28 V (adjustable via potentiometer)
Output voltage type	DC	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)	Rated output voltage	24 V DC $\pm 1$ %
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	78%	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)
Protection degree	IP20	Short-circuit protection	Yes
Standards	DIN EN 50178 (PELV), DIN EN 60950 (SELV)	Status indication	Green LED
Weight	0.2 kg		

**Data sheet**

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**Technical data**

**Insulation coordination**

Humidity at operating temperature	5...95% (indoor), T <sub>u</sub> = 40°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		

**Connection data (input)**

Connection system                      Screw connection

**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	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 supply does not replace the necessary surge protection in a system.

**Approvals**

Approvals	
ROHS	Conform

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Approval/Certificate/Document of Conformity	<a href="#">DE_PA5200_160310_003.pdf</a>
Brochure/Catalogue	<a href="#">CAT 4.3 ELECTR 15/16 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">Information zur Gewährleistung</a> <a href="#">Operating Instructions</a>

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**Drawings**

**Electric symbol**

