

INSTA CP SNT 48W 24V 2A

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 1429-0
 Fax: +49 5231 14292083
 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 24V 2A
Order No.	8739140000
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	326 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
Overload current protection	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 μF	Max. residual ripple	120 mV _{SS}
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_{const} of max. output load; automatic reset
Parallel connection option	Max. 3 devices (rated voltages are to be calibrated at ± 20 mV)	Rated output voltage	24 V DC ± 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		

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Technical data

Insulation coordination

Humidity at operating temperature	5...95% (indoor), T _u = 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

Data sheet**INSTA
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Approval/Certificate/Document of Conformity	DE_PA5200_160310_003.pdf
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Information zur Gewährleistung Operating Instructions

Data sheet

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Drawings

Electric symbol

