

INSTA
CP SNT 48W 24V 2A
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

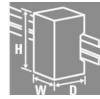
D-32758 Detmold

Germany

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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

Delivery status	This article will no longer be available in the future.
Available until	2020-03-31
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).
Alternative product	2580230000

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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), $T_u = 40^\circ\text{C}$, without condensation	Operating temperature, max.	70 °C (Derating ab 55 °C)
Operating temperature, min.	-10 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-20 °C	Operating temperature	-10 °C...70 °C (Derating ab 55 °C)
Storage temperature	-20 °C...85 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (cURus)	E255651	Certificate No. (UL)	E258476
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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 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_{konst} of max. Output line; automatic reboot
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

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Technical data
General data

Building Width	62.5 mm	Building height	90.5 mm
Degree of efficiency at max. load		EMC standards	EN 55011, EN 55022, EN 61000-3-2,-3, EN 61000-6-2,-3,-4
	78%	MTBF	> 500,000 h in accordance with IEC 61709 (SN29500)
Installation advice	For side-by-side mounting, clearance: above/below > 30 mm	Operating temperature	-10 °C...70 °C (Derating ab 55 °C)
Mounting position, installation notice	horizontally, on terminal rail TS 35	Short-circuit protection	Yes
Protection degree	IP20	Status indication	Green LED
Standards	DIN EN 50178 (PELV), DIN EN 60950 (SELV)		
Weight	0.2 kg		

System data

Output current	2 A
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Insulation coordination

Humidity at operating temperature	5...95% (indoor), $T_u = 40^\circ\text{C}$, without condensation	electrical isolation, I/O rail	
electrical isolation, input-earth	1.5 kV		4 kV
electrical isolation, output-earth	0.5 kV	electrical isolation, input-output	3 kV

Connection data (input)

Connection system	Screw connection
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Signalling

Status indication	Green LED
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Approvals

Institute (UL)		Certificate No. (UL)	
			E258476
Institute (cURus)		Certificate No. (cURus)	
			E255651

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	27-04-07-01
eClass 9.1	27-04-07-01		

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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	DE_PA5200_160310_003.pdf
Brochure/Catalogue	CAT 4.3 ELECTR 15/16 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	Warrenty_Information_Power_Supplies.pdf Operating Instructions

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Drawings

Electric symbol

