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sales@integrated-circuit.com

Datasheet

**INSTA
CP SNT 48W 24V 2A**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-2083
 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

Order No.	8739140000
Part designation	CP SNT 48W 24V 2A
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	4032248411924
Qty.	1 pc(s).

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Technical data

Dimensions (1)

Weight	0.2 kg	Length	62.5 mm
Width	70 mm	Height	90.5 mm

temperature

Ambient temperature (operational)	Storage temperature	-20 °C...+85 °C
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Input

Conductor connection system	Screw connection	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	Rated control voltage	115 / 230 V AC (85...264 V AC, 110...370 V DC)
making current limit	Yes		

output

Conductor connection system	Screw connection	Control at 10...100% load	1 %
Mains failure bridge-over time	11 ms @ 115 V AC / 50 ms @ 230 V AC	Mains failure bridge-over time for 115 V AC	11 ms
Mains failure bridge-over time for 230 V AC	50 ms	Max. capacitance at output	8000 µF
Max. residual ripple	120 mV _{SS}	Output current	2 A
Output power, max.	48 W	Output voltage	(adjustable via potentiometer)
Output voltage type	DC	Output voltage, max.	28 V
Output voltage, min.	15 V	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)	Surge protection	Varistor
rated output voltage	24 V DC ± 1 %		

General data

Ambient temperature (operational)		DIN Rail compatibility	TS 35
Degree of efficiency at max. load	78 %	Depth	80 mm
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 > 8 mm
Mounting position, installation notice	horizontally on terminal rail TS 35	Standards	EN 50178 (PELV) EN 60950 (SELV)
Status indication	Green LED	Ambient temperature (operational)	-10 °C...+70 °C (derating from 55 °C)

Insulation coordination

Humidity at operating temperature	5...95 % (indoors), Tu = 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

Clamping range, nom.	2.5 mm ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	4 mm ²		

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Approvals

Approvals institutes	CE; CCSAUS; CULUS; CURUS; UL; CLASS2
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Classifications

eClass 5.1	27-04-90-02	eClass 6.0	27-04-90-04
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Notes

Note, technical data	The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.
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Drawings

Electric symbol

