

INSTA CP SNT 24W 24V 1A

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
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 Germany
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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 24W 24V 1A
Order No.	9928890024
Version	Power supply, switch-mode power supply unit, 24 V
GTIN (EAN)	4032248217557
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	52 mm	Width (inches)	2.047 inch
Height	90.5 mm	Height (inches)	3.563 inch
Depth	62.5 mm	Depth (inches)	2.461 inch
Weight	168.6 g	Net weight	168.6 g

Temperatures

Operating temperature	-20 °C...50 °C	Storage temperature	-40 °C...85 °C
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Input

Connection system	Screw connection	DC input voltage range	80...370 V DC
Input current	460 mA @ 115 V AC; 250 mA @ 230 V AC	Input current at 115 Vac	460 mA RMS ± 20%
Input current at 125 Vdc	235 mA ± 20%	Input current at 250 Vdc	120 mA ± 20%
Input frequency	50/ 60 Hz	Input fuse	2 A time-lag fuse (internal)
Input voltage (voltage mode input)	85...265 V AC, 120...300 V DC	Overload current protection	Thermistor
Surge protection	Varistor	Wire connection method	Screw connection

output

Control at 10...100% load	0.5%	Control at input voltage	0.2%
Mains failure bridge-over time	35 ms @ 115 V AC / 160 ms @ 230 V AC	Max. capacitance at output	8000 µF
Max. residual ripple	< 2 %	Output current	1 A
Output power	24 W	Output voltage	24 V
Output voltage type	DC	Overload protection	Surge current / thermal cut-out
Parallel connection option	yes, max 2.	Rated output voltage	24 V DC ± 1 %
Surge protection	Varistor	Wire connection method	Screw connection

General data

Degree of efficiency at max. load	78%	EMC standards	EN 61000-6 /-2, -3
Mounting position, installation notice	horizontally, on terminal rail TS 35	Operating temperature	-20 °C...50 °C
Protection degree	IP20	Short-circuit protection	Yes
Standards	DIN EN 50178, DIN EN 60950, IEC950	Weight	168.6 g

Insulation coordination

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
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Data sheet

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Approvals

Institute (CSA)		Certificate No. (CSA)	200039-1753861CB
Institute (cULus)		Certificate no. (cULus)	E196651

Classifications

ETIM 4.0	EC002541	ETIM 5.0	EC002541
ETIM 6.0	EC002540	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.
Descriptive text technical data	Derating loss: 33 % @ 60 °C The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

Approvals

Approvals	
ROHS	Conform

Downloads

Engineering Data	EPLAN, WSCAD
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Drawings

Electric symbol

