

## Excellent Integrated System Limited

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**Datasheet**

**CP SNT 24W 5V 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.	<a href="#">9928890005</a>
Part designation	CP SNT 24W 5V 2A
Version	Power supply, switch-mode power supply unit, 5 V
GTIN (EAN)	4032248217526
Qty.	1 pc(s).

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## Technical data

### Dimensions (1)

Length	62.5 mm	Width	52 mm
Height	90.5 mm		

### temperature

Ambient temperature (operational)	Storage temperature	-40 °C...+85 °C
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### Input

Conductor connection system	Screw connection	DC input voltage range	120...300 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	Input voltage range AC	85...265 V AC
Surge protection	Varistor	making current limit	Thermistor

### output

Conductor connection system	Screw connection	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
Mains failure bridge-over time for 115 V AC	35 ms	Mains failure bridge-over time for 230 V AC	160 ms
Max. capacitance at output	8000 µF	Max. residual ripple	< 2 %
Output current	2 A	Output power, max.	10 W
Output voltage	5 V	Output voltage type	DC
Overload protection	Surge current / thermal cut-out	Surge protection	Varistor

### General data

Ambient temperature (operational)	DIN Rail compatibility	TS 35
Degree of efficiency at max. load	EMC standards	EN 61000-6 /-2, -3
Mounting position, installation notice	Standards	EN 50178 EN 60950 IEC950
Ambient temperature (operational)		

### 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

Clamping range, nom.	4 mm <sup>2</sup>	Clamping range, min.	0.08 mm <sup>2</sup>
Clamping range, max.	4 mm <sup>2</sup>		

### Approvals

Approvals institutes	CSA; GOSTME25; CE
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### Classifications

eClass 6.0	27-04-90-04
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## Technical data

### Notes

Note, 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.

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**Drawings**

**Electric symbol**

