

## CP M SNT 120W 24V 5A

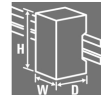
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)



### PRO-M = Power-Reliable-Optimized

The perfectly reliable power supply for automation technology.

The ten different versions for the 24V-DC power supply all feature a solid but thin metal housing which enables them to be installed without any side gaps. This results in less space required on the mounting rail. Wide range of AC/DC inputs and a wide temperature range enable them to be used anywhere. Because of its high efficiency, resistance to overloads and high power reserves, the PRO-M is a trusted power supply for use in any application. The three-phase PRO-M power supply modules continue to function reliably when one phase fails (i.e., in two-phase mode).

### General ordering data

Version	Power supply, switch-mode power supply unit, 24 V
Order No.	<a href="#">8951340000</a>
Type	CP M SNT 120W 24V 5A
GTIN (EAN)	4032248742554
Qty.	1 pc(s).
Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2022-03-30
Alternative product	<a href="#">1478110000</a>

**CP M SNT 120W 24V 5A**
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Technical data**
**Dimensions and weights**

Depth	125 mm	Depth (inches)	4.921 inch
Height	130 mm	Height (inches)	5.118 inch
Width	40 mm	Width (inches)	1.575 inch
Net weight	724.3 g		

**Temperatures**

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °C...70 °C
Operating temperature, min.	-25 °C	Operating temperature, max.	70 °C

**Rated data UL**

Certificate No. (cURus)	E255651
-------------------------	---------

**Input**

AC current consumption	1.1 A @ 230 V AC / 2.0 A @ 115 V AC	AC input voltage range	85...264 V AC (derating at 100 V AC)
Connection system	Screw connection	DC current consumption	0.4 A @ 370 V DC / 1.2 A @ 120 V DC
DC input voltage range	80...370 V DC (Derating @ 120 V DC)	Frequency range AC	47...63 Hz
Input fuse	Yes	Input fuse (internal)	Yes
Inrush current	max. 40 A	Rated input voltage	100...240 V AC (wide-range input)
Recommended back-up fuse	4 A / DI, safety fuse 6 A, Char. B, circuit breaker 3...5 A, Char. C, circuit breaker	Wire connection method	Screw connection

**Output**

Continuous output current @ $U_{Nominal}$	6.0 A @ 45 °C, 5.3 A @ 55 °C, 3.8 A @ 70 °C	Nominal output current for $U_{nom}$	5 A @ 60 °C
Output current	5 A	Output power	120 W
Output voltage type	DC	Output voltage, max.	29.5 V
Output voltage, min.	22.5 V	Output voltage, note	(adjustable via potentiometer on front)
Overload protection	Yes	Parallel connection option	yes, max. 5
Rated output voltage	24 V DC $\pm$ 1 %	Residual ripple, breaking spikes	< 50 mV <sub>pp</sub> @ 24 V DC, $I_N$
Wire connection method	Screw connection		

## CP M SNT 120W 24V 5A

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

## Technical data

### General data

AC failure bridging time @ $I_{nom}$	> 100 ms @ 230 V AC / > 20 ms @ 115 V AC	Current limiting	> 120% $I_N$
Degree of efficiency	90 % @ 230 V AC / 88 % @ 115 V AC	Housing version	Metal, corrosion resistant
Indication	Operation, green LED	Mounting position, installation notice	Horizontal on TS35 mounting rail. 50 mm of clearance at top & bottom for air circ. Can mount side by side with no space in between.
Operating temperature	-25 °C...70 °C	Power factor (approx.)	> 0.5 @ 230 V AC / > 0.6 @ 115 V AC
Protection against over-heating	Yes	Protection against reverse voltages from the load	30...35 V DC
Protection degree	IP20	Short-circuit protection	Yes

### EMC / shock / vibration

Interference immunity test acc. to	EN 61000-4-2 (ESD)  EN 61000-4-3 and EN 61000-4-8 (fields)  EN 61000-4-4 (burst)  EN 61000-4-5 (surge)  EN 61000-4-6 (conducted)  EN 61000-4-11 (dips)	Limiting of mains voltage harmonic currents	According to EN 61000-3-2
Noise emission in accordance with EN55032	Class B	Shock resistance IEC 60068-2-27	30 g in all directions

### Insulation coordination

Insulation voltage	3 kV input/output; 2 kV input/earth; 0.5 kV output/earth	Pollution severity	2
Protection class	I, with PE connection	electrical isolation, input-earth	2 kV
electrical isolation, input-output	3 kV	electrical isolation, output-earth	0.5 kV

### Electrical safety (applied standards)

Electrical machine equipment	Acc. to EN60204	For use with electronic equipment	Acc. to EN50178 / VDE0160
Protection against dangerous shock currents	Acc. to VDE0106-101	Protective separation / protection against electrical shock	VDE0100-410 / acc. to DIN57100-410
Safety transformers for switch-mode power supplies	According to EN 61558-2-16		

### Connection data (input)

Conductor cross-section, AWG/kcmil , max.	12	Conductor cross-section, AWG/kcmil , min.	26
Conductor cross-section, flexible , min.	0.5 mm <sup>2</sup>	Conductor cross-section, rigid , max.	6 mm <sup>2</sup>
Conductor cross-section, rigid , min.	0.5 mm <sup>2</sup>	Connection system	Screw connection
Wire connection cross section, flexible (input), max.	2.5 mm <sup>2</sup>		

## CP M SNT 120W 24V 5A

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Connection data (output)

Conductor cross-section, AWG/kcmil , max.	12	Conductor cross-section, AWG/kcmil , min.	26
Conductor cross-section, flexible , max.	2.5 mm <sup>2</sup>	Conductor cross-section, flexible , min.	0.5 mm <sup>2</sup>
Conductor cross-section, rigid , max.	6 mm <sup>2</sup>	Conductor cross-section, rigid , min.	0.5 mm <sup>2</sup>
Number of terminals	5 ( ++ / - )		

## Approbations

Certificate No. (cURus)	E255651	Certificate no. (cULus)	E258476
Institute (cULus)	CULUS	Institute (cURus)	CURUS

## Classifications

ETIM 6.0	EC002540	ETIM 7.0	EC002540
ETIM 8.0	EC002540	ECLASS 9.0	27-04-07-01
ECLASS 9.1	27-04-07-01	ECLASS 10.0	27-04-07-01
ECLASS 11.0	27-04-07-01	ECLASS 12.0	27-04-07-01

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E255651
Certificate no. (cULus)	E258476

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">DE_PA5200_160512_004.pdf</a>
Engineering Data	<a href="#">WSCAD</a>
User Documentation	<a href="#">Warrenty Information Power Supplies.pdf</a> <a href="#">Operating instructions</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

**Data sheet**

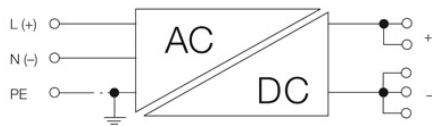
**CP M SNT 120W 24V 5A**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**

**Electric symbol**



With DC connection, note polarity