

CP SNT 55W 24-28V 2.3A

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

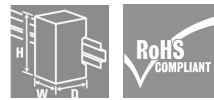
D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



One-phase switched-mode power unit in a compact metal housing for rail mounting

Performance classes 55 W, 160 W, 300 W. These power supplies can be universally deployed because of their wide input range

from 85 V AC to 265 V AC. They are available with output voltages of 5 V, 12 V, 24 V and 48 V.

The 300 W ConnectPower power pack includes active PFC control and comprehensive monitoring functions.

To increase the power output, up to five power units can be connected in parallel without decoupling on the output side.

General ordering data

Order No.	9927480024
Type	CP SNT 55W 24-28V 2.3A
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	4032248217595
Qty.	1 pc(s).

CP SNT 55W 24-28V 2.3A**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

Technical data**Dimensions and weights**

Length	131 mm	Width	57 mm
Height	98 mm	Depth	131 mm
Weight	478 g	Net weight	637 g

Temperatures

Operating temperature	-20 °C...+40 °C	Storage temperature	-40 °C...+85 °C
-----------------------	-----------------	---------------------	-----------------

Input

Conductor connection system	Screw connection	Connection range	AWG 26-12 / 0.13 to 4.0 mm ²
Input current	1.1 A @ 115 V AC; 0.55 A @ 230 V AC	Input current at 115 Vac	1.10 A RMS ± 20%
Input current at 125 Vdc	590 mA ± 20%	Input current at 230 Vac	0.55 A RMS ± 20%
Input current at 250 Vdc	315 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
Surge protection	Varistor	Turn-on current limit	Thermistor

output

Conductor connection system	Screw connection	Connection range	AWG 26-12 / 0.13 to 4.0 mm ²
Control at 10...100% load	1%	Control at input voltage	0.80%
Mains failure bridge-over time	30 ms @ 115 V AC / 180 ms @ 230 V AC	Max. capacitance at output	10000 µF
Max. residual ripple	< 50 mV _{eff}	Output current	2.3 A
Output power	55 W	Output voltage type	DC
Output voltage, max.	28 V	Output voltage, min.	24 V
Overload protection	Surge current / thermal cut-out	Parallel connection option	No
Surge protection	Varistor		

General data

Building Width	57 mm	Building height	98 mm
Degree of efficiency at max. load	78%	Depth	131 mm
EMC standards	IEC 61000-6 /-2, -3	Low Voltage Directive	73/ 23/ EWG
Mounting position, installation notice	horizontally, on terminal rail TS 35	Operating temperature	-20 °C...+40 °C
Power factor correction	No	Standards	DIN EN 50178, DIN EN 60950, IEC950
Status indication	Green LED	Switching frequency	100 kHz
Weight	478 g		

Insulation coordination

Humidity at operating temperature	20 to 85% RH without condensation	Humidity at storage temperature	20 to 90% RH
electrical isolation, I/O rail	3 kV	electrical isolation, input-earth	1.5 kV
electrical isolation, input-output	3 kV	electrical isolation, output-earth	0.5 kV

Signalling

Status indication	Green LED
-------------------	-----------

Creation date February 26, 2013 7:17:58 PM CET

CP SNT 55W 24-28V 2.3A

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Approvals

Institute (CSA)



Certificate No. (CSA)

200039-1753630CB

Classifications

ETIM 2.0	EC001039	ETIM 3.0	EC001039
UNSPSC	30-21-18-01	eClass 4.1	27-24-04-10
eClass 5.1	27-04-90-02	eClass 6.0	27-04-90-04
eClass 7.0	27-04-90-04		

Approvals

Approvals



Downloads

Declaration of Conformity [ECC2748_02_09.pdf](#)

CP SNT 55W 24-28V 2.3A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings**Electric symbol**