

**Compact Power
CP NT3 500W 24V 20A****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

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www.weidmueller.com



The CP NT3 power packs are available in six variants for power classes from 250 to 1000 W.

The $\pm 5\%$ tapping on the primary side results in three possible rated voltages: 380 V, 400 V and 415 V.

The CP NT3 units are protected against overloads and short-circuits by an integral thermostatic switch.

General ordering data

Delivery status	Discontinued
Available until	2016-12-31
Type	CP NT3 500W 24V 20A
Order No.	8628650000
Version	Power supply, unregulated, 24 V
GTIN (EAN)	4032248288274
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	108 mm	Width (inches)	4.252 inch
Height	215 mm	Height (inches)	8.465 inch
Depth	220 mm	Depth (inches)	8.661 inch
Net weight	11,380 g		

Temperatures

Operating temperature, max.	60 °C	Operating temperature, min.	-20 °C
Storage temperature, max.	80 °C	Storage temperature, min.	-20 °C
Operating temperature	-20 °C...60 °C	Storage temperature	-20 °C...80 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Clamping range, input	2.5 mm ²	Clamping range, input, max.	2.5 mm ²
Clamping range, input, min.	0.5 mm ²	Connection range	2 x 0.5... 6.0 mm ²
Connection system	Screw connection	Ext. Back-up fuse	3 x 1.6 A time-lag
Input current	0.9 A	Input frequency	50/ 60 Hz
Input fuse	3 x primary thermostatic switch	Input voltage (voltage mode input)	3 x 400 V ±5 %
No-load input current	0.13 A	Wire connection method	Screw connection

output

Clamping range, output	6 mm ²	Clamping range, output, max.	6 mm ²
Clamping range, output, min.	0.5 mm ²	Connection range	2 x 0.5... 6.0 mm ²
Fuse	External 20 / 22 A slo-blo	Max. residual ripple	< 2 %
Output current at 40 °C	22 A	Output current at 60 °C	20 A
Output power	500 W	Output voltage	24 V
Output voltage	SELV	Output voltage type	DC
Protective circuit, load side	Varistor	Wire connection method	Screw connection

General data

Building Width	108 mm	Building height	215 mm
Degree of efficiency at max. load	78%	Depth	220 mm
EMC standards	EN 61000-6 /-2, -3	Fan signal	No integrated fan
Installation advice	Direct mounting	Low Voltage Directive	73/ 23/ EWG
Mounting position, installation notice	Arbitrary	Operating temperature	-20 °C...60 °C
Power loss	130 W	Protection degree	IP20
Short-circuit protection	Yes	Standards	DIN EN 60950, DIN EN 61558-2-4, -6, 72/23/ EWG
Status indication	Green LED		

Insulation coordination

Insulation class	B	Insulation strength	4 kV
Protection degree	I	Touch-safe protection	acc. to BGV A3

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Technical data

Connection data (input)

Connection system Screw connection

Signalling

Status indication Green LED

Approvals

Institute (cULus)



Certificate no. (cULus)

E197061

Classifications

ETIM 3.0	EC001039	ETIM 4.0	EC002541
ETIM 5.0	EC002541	ETIM 6.0	EC002540
UNSPSC	30-21-18-01	eClass 5.1	27-04-90-02
eClass 6.2	27-04-90-04	eClass 7.1	27-04-90-04
eClass 8.1	27-04-90-04	eClass 9.0	27-04-07-01
eClass 9.1	27-04-07-01		

Product information

Descriptive text technical data Condensation not allowed

Approvals

Approvals



ROHS

Conform

Downloads

Brochure/Catalogue [CAT 4.3 ELECTR 15/16 EN](#)
Engineering Data [EPLAN, WSCAD](#)

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Drawings

Electric symbol

