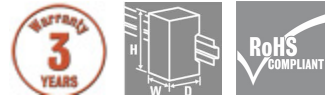


ECOLINE CP SNT 120W 24V 5A

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 in performance classes 70 to 1000 W. The ECOLINE power supplies can be universally deployed because of their wide input range from 85 V AC to 265 V AC. A floating relay contact in the output circuit indicates short-circuits and overloads.

General ordering data

Order No.	8708670000
Type	CP SNT 120W 24V 5A
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	4032248380831
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	65.5 mm	Height	125 mm
Depth	110 mm	Weight	0.65 kg
Net weight	649.6 g		

Temperatures

Operating temperature	-10 °C...+70 °C (Derating ab 55 °C)	Storage temperature	-20 °C...+85 °C
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Input

Connection range	AWG 26-12 / 0.13 to 4.0 mm ²	Input current	3 A @ 115 V AC / 2 A @ 230 V AC
Input frequency	50/ 60 Hz	Input fuse	Fusible link 4 A (T) / 250 V
Input fuse (internal)	Yes	Input voltage (voltage mode input)	88...132 V AC/176...264 V AC selectable; 250...370 V DC
Recommended back-up fuse	5 - 8 A Char. C, circuit breaker	Surge protection	Varistor
Wire connection method	Screw connection		

output

Connection range	AWG 26-12 / 0.13 to 4.0 mm ²	Control at 10...100% load	<2%
Control at input voltage	0.5%	Mains failure bridge-over time	20 ms @ 115 V AC / 20 ms @ 230 V AC
Max. capacitance at output	40000 µF	Max. residual ripple	< 100 mV _{PP} / bandwidth 20 MHz
Output current	5 A	Output power	120 W
Output voltage type	DC	Output voltage, max.	28 V
Output voltage, min.	24 V	Output voltage, note	(adjustable via potentiometer)
Overload protection	105 %..130 % I _{const} of max. output load; automatic reset	Parallel connection option	Recommended with diode module
Status relay / CO contact	250 V AC (max. 30 V DC) / 1 A	Surge protection	29...34 V
Wire connection method	Screw connection		

General data

Building Width	65.5 mm	Building height	125 mm
Degree of efficiency at max. load	84%	Depth	100 mm
EMC standards	EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3	Installation advice	Clearance: above/below ≥ 3 cm
Low Voltage Directive	73/ 23/ EWG	Mounting position, installation notice	horizontally, on terminal rail TS 35
Operating temperature	-10 °C...+70 °C (Derating ab 55 °C)	Power factor correction	No
Short-circuit protection	Yes	Standards	DIN EN 60950 (SELV)
Status indication	Green LED	Weight	0.65 kg

Insulation coordination

electrical isolation, input-earth	1.5 kV	electrical isolation, input-output	3 kV
electrical isolation, output-earth	0.5 kV		

Creation date June 6, 2013 9:46:12 AM CEST

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Technical data**Signalling**

Status indication	Green LED
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Approvals

Institute (GERMLLOYD)



Certificate No. (GERMLLOYD)

44943-07

Institute (cULus)



Certificate no. (cULus)

E258476VOL1SEC2

Institute (cURus)



Certificate No. (cURus)

E255651-A4-UL-1

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 6.2	27-04-90-04
eClass 7.1	27-04-90-04		

Approvals

Approvals



ROHS	Conform
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Downloads

Declaration of Conformity	K472_01_12.pdf
PDF	Warranty information
	3-D model

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Drawings**Electric symbol**