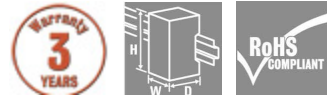


**ECOLINE
CP SNT 250W 24V 10A**

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

Type	CP SNT 250W 24V 10A
Order No.	8708680000
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	4032248380848
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Width	125.5 mm	Height	125 mm
Depth	110 mm	Weight	1.6 kg
Net weight	1,600.6 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	3.6 A @ 115 V AC / 2 A @ 230 V AC
Input frequency	50/ 60 Hz	Input fuse	Fusible link 5 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	6 - 10 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	10 ms @ 115 V AC / 15 ms @ 230 V AC
Max. capacitance at output	40000 µF	Max. residual ripple	< 100 mV _{PP} / bandwidth 20 MHz
Output current	0.1...10 A	Output power	240 W
Output voltage	24...28 V (adjustable via potentiometer)	Output voltage type	DC
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	30...36 V
Wire connection method	Screw connection		

General data

Building Width	125.5 mm	Building height	125 mm
Degree of efficiency at max. load	84% @ 230 V AC	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)	Short-circuit protection	Yes
Standards	DIN EN 60950 (SELV)	Status indication	Green LED
Weight	1.6 kg		

Insulation coordination

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

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Signalling

Status indication Green LED

Approvals

Institute (GERMLLOYD)		Certificate No. (GERMLLOYD)	44943-07
Institute (cULus)		Certificate no. (cULus)	E258476
Institute (cURus)		Certificate No. (cURus)	E255651

Classifications

ETIM 3.0	EC001039	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		

Product information

Descriptive text ordering data	The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.
Descriptive text technical data	For redundancy operation or to maintain the alert function, only operate with the diode module.

Approvals

Approvals	
ROHS	Conform

Downloads

Declaration of Conformity	K472_01_12.pdf
PDF	Warranty information
3D Modell	

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Zeichnungen

Electric symbol

