

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

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

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

Technical data
Dimensions and weights

Length	110 mm	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
-----------------------	-------------------------------------	---------------------	-----------------

Input

Conductor connection system	Screw connection	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		Input voltage (voltage mode input)	88...132 V AC/176...264 V AC selectable; 250...370 V DC
Recommended back-up fuse	Fusible link 5 A (T) / 250 V 6 - 10 A Char. C, circuit breaker	Surge protection	Varistor

output

Conductor connection system	Screw connection	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 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	30...36 V		

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)	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		

**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

Technical data

Signalling

Status indication Green LED

Approvals

Institute (GERMLLOYD)		Certificate No. (GERMLLOYD)	
			44943-07
Institute (cULus)		Certificate no. (cULus)	
			E258476VOL1SEC3
Institute (cURus)		Certificate No. (cURus)	
			E255651-A5-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 6.0	27-04-90-04
eClass 7.0	27-04-90-04		

Approvals



Downloads

Declaration of Conformity	K283_06_09.pdf
PDF	Warranty information
3-D model	

**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

Drawings**Electric symbol**