

ECOLINE CP SNT3 250W 24V 10A

Weidmüller Interface GmbH & Co. KG
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Three-phase switched-mode power unit in compact metal housing for rail mounting, Performance classes 250 to 1000 W. The ECOLINE power unit can be universally deployed because of its wide input range from 340 Vac to 575 Vac. A floating relay contact in the output circuit indicates short-circuits and overloads.

General ordering data

Order No.	8708700000
Type	CP SNT3 250W 24V 10A
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	4032248380862
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Length	110 mm	Width	125.5 mm
Height	125 mm	Depth	110 mm
Weight	1.5 kg	Net weight	1,505 g

Temperatures

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

Conductor connection system	Screw connection	Input current	0.95 A @ 400 V AC
Input frequency	47...63 Hz	Input fuse	External via 3 circuit-breakers up to 2...3 A, char. C
Input voltage (voltage mode input)	3x400 V AC / 400...500 V AC \pm 15 %	Surge protection	Varistor
Turn-on current limit	< 30 A (bei 25 °C)		

output

Conductor connection system	Screw connection	Control at 10...100% load	<2%
Mains failure bridge-over time	> 10 ms @ 400 V AC	Max. residual ripple	< 100 mV _{PP} / bandwidth 20 MHz
Output current	10 A	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	output power	250 W
rated output voltage	24 V DC \pm 1 %		

General data

Building Width	125.5 mm	Building height	125 mm
Degree of efficiency at max. load	88% @ 400 V AC	Depth	110 mm
EMC standards	EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3	Installation advice	Clearance: above/below \geq 3 cm
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	1.5 kg		

Insulation coordination

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
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Data sheet...

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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	K284_04_09.pdf
PDF	Warranty information
3-D model	

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Drawings**Electric symbol**