

ECOLINE
CP SNT 70W 24V 3A
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

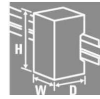
D-32758 Detmold

Germany

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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

Delivery status	This article will no longer be available in the future.
Available until	2014-12-31
Type	CP SNT 70W 24V 3A
Order No.	8708660000
Version	Power supply, switch-mode power supply unit, 24 V
GTIN (EAN)	4032248380824
Qty.	1 pc(s).
Alternative product	1469470000

Creation date November 8, 2020 1:29:54 PM CET

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Technical data
Dimensions and weights

Width	55.5 mm	Width (inches)	2.185 inch
Height	125 mm	Height (inches)	4.921 inch
Depth	110 mm	Depth (inches)	4.331 inch
Weight	0.55 kg	Net weight	503.7 g

Temperatures

Operating temperature, max.	70 °C (Derating ab 55 °C)	Operating temperature, min.	-10 °C
Storage temperature, max.	85 °C	Storage temperature, min.	-20 °C
Operating temperature	-10 °C...70 °C (Derating ab 55 °C)	Storage temperature	-20 °C...85 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (cURus)	E255651
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Input

Connection range	AWG26-12/ 0.13-4.0 mm ²	Connection system	Screw connection
DC input voltage range	80...370 V DC	Input current	2 A @ 100...240 V AC
Input frequency	50/ 60 Hz	Input fuse	Fusible link 2.5 A (T) / 250 V
Input fuse (internal)	Yes	Input voltage (voltage mode input)	85...264 V AC / 110...370 V DC
Recommended back-up fuse	3 - 5 A, char. C, circuit breaker	Surge protection	Varistor
Wire connection method	Screw connection		

Output

Connection range	AWG26-12/ 0.13-4.0 mm ²	Control at 10...100% load	<2%
Control at input voltage	0.5%	Mains failure bridge-over time	10 ms @ 115 V AC / 20 ms @ 230 V AC
Max. capacitance at output	40000 µF	Max. residual ripple	< 100 mV _{SS} / 20 MHz bandwidth
Output current	3 A	Output power	72 W
Output voltage	24 V	Output voltage	24...28 V (adjustable via potentiometer)
Output voltage type	DC	Overload protection	105 %...130 % I _{konst} of max. Output line; automatic reboot
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

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Technical data
General data

Degree of efficiency at max. load	80%	EMC standards	EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3
Installation advice	Clearance: above/below $\geq$ 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	Protection degree	IP20
Short-circuit protection	Yes	Standards	DIN EN 60950 (SELV)
Status indication	Green LED		

System data

Output current	3 A
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Insulation coordination

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

Connection data (input)

Connection system	Screw connection
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Signalling

Status indication	Green LED
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Approvals

Institute (cULus)		Certificate no. (cULus)	
Institute (cURus)		Certificate No. (cURus)	E258476
			E255651

Classifications

ETIM 6.0	EC002540	ETIM 7.0	EC002540
eClass 9.0	27-04-07-01	eClass 9.1	27-04-07-01
eClass 10.0	27-04-07-01	UNSPSC	30-21-18-01

Approvals

Approvals



ROHS	Conform
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Technical data

Downloads

Engineering Data	EPLAN, WSCAD
User Documentation	Warrenty Information Power Supplies.pdf

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Drawings

Electric symbol

