

**ConnectPower
CP DCDC 50W 12V 3A**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



The compact DC/DC converter provides systems with optimal failure protection for maximum availability.

- Compensation of voltage fluctuations
- Regeneration of the output voltage for a stable voltage at the end of long cables
- Establishment of floating supply systems through galvanic isolation
- Above-average performance data

General ordering data

Delivery status	Discontinued
Available until	2017-12-30
Type	CP DCDC 50W 12V 3A
Order No.	9919372412
Version	DC/DC converter
GTIN (EAN)	4032248217830
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	57 mm	Width (inches)	2.244 inch
Height	98 mm	Height (inches)	3.858 inch
Depth	131 mm	Depth (inches)	5.157 inch
Weight	454 g	Net weight	446.6 g

Temperatures

Humidity at operating temperature	20 to 85% RH	Humidity at storage temperature	20 to 90% RH without condensation
Operating temperature, max.	60 °C (Derating ab 50 °C)	Operating temperature, min.	-10 °C
Storage temperature, max.	85 °C	Storage temperature, min.	-40 °C
Operating temperature	-10 °C...60 °C (Derating ab 50 °C)	Storage temperature	-40 °C...85 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Connection range	AWG26-12 (0.1-4.0 mm ²)	Connection system	Screw connection
Input fuse	internal	Input voltage (voltage mode input)	18...30 V DC, typ. 24 V DC, ± 15%
Rated current	1.93 A	Wire connection method	Screw connection

Output

Connection range	AWG26-12 (0.1-4.0 mm ²)	Max. capacitance at output	8000 µF
Output current	3 A	Output power	36 W
Output voltage	10.5...14.5 V	Output voltage type	DC
Overload behaviour	Surge current cut-out with self-reset	Overload protection	Surge current cut-out with self-reset
Parallel connection option	Yes, max. 2	Wire connection method	Screw connection

General data

EMC standards	IEC 61000-6 /-2	Low Voltage Directive	73/ 23/ EWG
Mounting position, installation notice	Horizontal on TS35 mounting rail. 50 mm of clearance at top & bottom for air circ. Can mount side by side with no space in between., 50 mm clearance at top and bottom for free air circulation, mountable side by side without clearance	Operating temperature	-10 °C...60 °C (Derating ab 50 °C)
Protection degree	IP20	Short-circuit protection	Yes
Standards	DIN EN 50178, DIN EN 60950, IEC950	Status indication	Green LED

System data

Output current	3 A
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Technical data**Insulation coordination**

Humidity at operating temperature	20 to 85% RH	Humidity at storage temperature	20 to 90% RH without condensation
electrical isolation, I/O rail	4 kV	electrical isolation, input-earth	0.5 kV
electrical isolation, input-output	0.5 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 (CSA)		Certificate No. (CSA)	200039-1160016
Institute (cULus)		Certificate no. (cULus)	E196651

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

Downloads

Approval/Certificate/Document of Conformity	ECC1937_02_09.pdf
Brochure/Catalogue	CAT 4.3 ELECTR 15/16 EN
Engineering Data	EPLAN.WSCAD

Data sheet

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Drawings

Electric symbol

