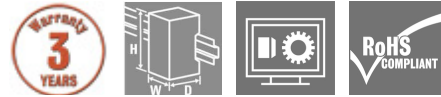


**CP DC BUFFER 24V 20A**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com



DC buffers take over the 24 V DC power supply in the range from 250 ms to 1 s in automation systems in the event of a power supply outage. The necessary energy is stored in internal capacitors and thus absolutely maintenance-free.

The respective state of the buffers is displayed visually by means of an LED and signalled electrically with a relay and a transistor output.

**General ordering data**

Version	UPS control unit, 30 V, 24 V
Order No.	<a href="#">1251220000</a>
Type	CP DC BUFFER 24V 20A
GTIN (EAN)	4050118043174
Qty.	1 pc(s).

Creation date March 23, 2021 12:33:59 PM CET

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## Technical data

### Dimensions and weights

Depth	150 mm	Depth (inches)	5.905 inch
Height	130 mm	Height (inches)	5.118 inch
Net weight	1,280 g	Width	66 mm
Width (inches)	2.598 inch		

### Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °C...70 °C
Humidity	5...95 %, no condensation		

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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### Rated data UL

Certificate No. (cURus)	E349964
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### Input

Connection system	Screw connection	Input current	0...22 A
Input voltage, max.	30 V	Input voltage, min.	22.5 V
Max. approved input current	22 A	Rated input voltage	24 V DC
Surge protection	31 - 34 V (only at discharge)		

### Output

Output current	20A	Output current, max.	22 A
Output voltage	24 V	Output voltage	Corresponds to the input voltage
Output voltage, note	Corresponds to the input voltage	Overload protection	≥ 22 A (only at discharge)
Parallel connection option	Yes, without diode module	Surge protection	31 - 34 V (only at discharge)

### General data

Buffer times	250 ms at 20 A, 6 s at 1 A	Clip-in foot	metal
Degree of efficiency	95 %	Humidity	5...95 %, no condensation
MTBF	> 500,000 h in accordance with IEC 61709 (SN29500)	Max. perm. air humidity (operational)	5 %...95 % RH
Operating temperature	-25 °C...70 °C	Storage medium	Internal condenser

### EMC / shock / vibration

Interference immunity test acc. to	EN 61000-4-2 (ESD), EN 61000-4-3 and EN 61000-4-8 (fields), EN 61000-4-4 (burst)	Noise emission in accordance with EN55032	Class B
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### Insulation coordination

Insulation voltage, input/output	1 kV
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Creation date March 23, 2021 12:33:59 PM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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## Technical data

## Electrical safety (applied standards)

For use with electronic equipment	Acc. to EN50178 / VDE0160
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## Connection data (input)

Conductor cross-section, AWG/kcmil , max.	6	Conductor cross-section, AWG/kcmil , min.	26
Conductor cross-section, flexible , min.	0.5 mm <sup>2</sup>	Conductor cross-section, rigid , max.	16 mm <sup>2</sup>
Conductor cross-section, rigid , min.	0.5 mm <sup>2</sup>	Connection system	Screw connection
Wire connection cross section, flexible (input), max.	16 mm <sup>2</sup>		

## Connection data (output)

Conductor cross-section, AWG/kcmil , max.	6	Conductor cross-section, AWG/kcmil , min.	26
Conductor cross-section, flexible , max.	16 mm <sup>2</sup>	Conductor cross-section, flexible , min.	0.5 mm <sup>2</sup>
Conductor cross-section, rigid , max.	16 mm <sup>2</sup>	Conductor cross-section, rigid , min.	0.6 mm <sup>2</sup>

## Connection data (signal)

Wire connection method	Screw connection	Wire cross-section, AWG/kcmil , max.	15
Wire cross-section, AWG/kcmil , min.	30	Wire cross-section, solid , max.	1.5 mm <sup>2</sup>
Wire cross-section, solid , min.	0.2 mm <sup>2</sup>		

## Signalling

Status indicator	Status relay (max. load)	Input voltage OK (30 V AC/DC 2A), Ready for operation (24 V AC/DC 300 mA)
Green LED		

## Approvals

Certificate No. (cURus)	E349964	Institute (cURus)	CURUS
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## Classifications

ETIM 6.0	EC002850	ETIM 7.0	EC002850
ECLASS 9.0	27-04-06-92	ECLASS 9.1	27-04-92-01
ECLASS 10.0	27-04-06-92	ECLASS 11.0	27-04-06-92

## Approvals

Approvals



ROHS	Conform
UL File Number Search	E349964

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**Technical data****Downloads**

Approval/Certificate/Document of Conformity	<a href="#">DE_PA5200_160510_001.pdf</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
User Documentation	<a href="#">Operating instructions</a>