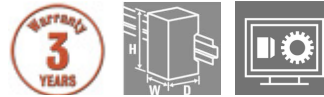


**ConnectPower  
CP DC BUFFER 24V 20A**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 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**

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

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**Technical data**
**Dimensions and weights**

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

**Temperatures**

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

**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	20 A	Output current, max.	22 A
Output voltage	24 V	Output voltage	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 acc. to IEC 1709 (SN29500)	Max. perm. air humidity (operational)	5 %...95 % RH
Operating temperature	-25 °C...70 °C	Protection degree	IP20
Storage medium	Internal condenser		

**System data**

Output current	20 A
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**EMC / shock / vibration**

Noise emission acc. to EN55022	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)
Class B		

**Insulation coordination**

Insulation voltage, input/output	1 kV
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**Data sheet**

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**Technical data**

**Electrical safety (applied standards)**

For use with electronic equipment      Acc. to EN50178 /  
 VDE0160

**Connection data (input)**

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

Institute (cURus)



Certificate No. (cURus)

E349964

**Classifications**

ETIM 6.0	EC002850	eClass 6.2	27-04-06-03
eClass 7.1	27-04-06-03	eClass 8.1	27-04-06-03
eClass 9.0	27-04-06-03	eClass 9.1	27-04-92-01

**Approvals**

Approvals



**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">DE_PA5200_160510_001.pdf</a>
Brochure/Catalogue	<a href="#">CAT 4.3 ELECTR 15/16 EN</a>
Engineering Data	<a href="#">EPLAN_WSCAD</a>
User Documentation	<a href="#">Operating instructions</a>