

CP DC BUFFER 24V 20A

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

www.weidmueller.com



Weidmüller's maintenance-free maxSHIELD DC buffer modules guarantee an uninterruptible power supply and are therefore an important basis for 24 V systems. They supply the required voltage to the electronic load to bridge outages. The maintenance-free electrolytic capacitors enable continuous operation at ambient temperatures of up to +70°C. Optionally, a parallel connection is possible to bridge longer failures or to increase the output power.

General ordering data

Version	Buffer module, 30 V, 24 V
Order No.	1251220000
Type	CP DC BUFFER 24V 20A
GTIN (EAN)	4050118043174
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2021-12-31T00:00:00+01:00
Alternative product	PRO DC BUFFER 24V 20A

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E349964

Dimensions and weights

Depth	150 mm	Depth (inches)	5.9055 inch
Height	130 mm	Height (inches)	5.1181 inch
Width	66 mm	Width (inches)	2.5984 inch
Net weight	1274 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	30bf869c-8adc-4ed2-ad02-c1fec963e943

Rated data UL

Certificate No. (cURus)	E349964
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Input

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

Output

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

General data

Degree of efficiency	95 %	Humidity	5...95 %, no condensation
Protection degree	IP20	Max. perm. air humidity (operational)	5 %...95 % RH
Storage medium	Internal condenser	Clip-in foot	metal
Buffer times	250 ms at 20 A, 6 s at 1 A		

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EMC / shock / vibration

Noise emission in accordance with EN55032	Class B	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)
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Insulation coordination

Insulation voltage, input/output	1 kV
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Electrical safety (applied standards)

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

Connection system	Screw connection	Conductor cross-section, AWG/kcmil , max.	6
Conductor cross-section, AWG/kcmil , min.	26	Wire connection cross section, flexible (input), max.	16 mm ²
Conductor cross-section, flexible , min.	0.5 mm ²	Conductor cross-section, rigid , max.	16 mm ²
Conductor cross-section, rigid , min.	0.5 mm ²	Tightening torque, min.	1.2 Nm
Tightening torque, max.	1.5 Nm		

Connection data (output)

Conductor cross-section, AWG/kcmil , max.	6	Conductor cross-section, AWG/kcmil , min.	26
Conductor cross-section, flexible , max.	16 mm ²	Conductor cross-section, flexible , min.	0.5 mm ²
Conductor cross-section, rigid , max.	16 mm ²	Conductor cross-section, rigid , min.	0.6 mm ²
Tightening torque, min.	1.2 Nm	Tightening torque, max.	1.5 Nm

Connection data (signal)

Wire connection cross-section, flexible (signal), max.	1.5 mm ²	Wire connection method	Screw connection
Wire cross-section, AWG/kcmil , max.	15	Wire cross-section, solid , min.	0.2 mm ²
Wire cross-section, solid , max.	1.5 mm ²	Wire connection cross-section, flexible (signal), min.	0.2 mm ²
Wire cross-section, AWG/kcmil , min.	30		

Signalling

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

ETIM 8.0	EC002850	ETIM 9.0	EC002850
ETIM 10.0	EC002850	ECLASS 14.0	27-04-06-92
ECLASS 15.0	27-04-06-92		

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Accessories

End bracket



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	WEW 35/1 V0 GF SW	Version	
Order No.	1478990000	End bracket, black, TS 35, V-0, Wemid, Width: 12 mm, 130 °C	
GTIN (EAN)	4050118286892		
Qty.	50 ST		
Type	WEW 35/2 V0 GF SW	Version	
Order No.	1479000000	End bracket, black, TS 35, V-0, Wemid, Width: 8 mm, 130 °C	
GTIN (EAN)	4050118286779		
Qty.	50 ST		

Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

General ordering data

Type	SDIS SL 0.6X3.5X100	Version	
Order No.	1274660000	Screwdriver, Mounting tool	
GTIN (EAN)	4050118072631		
Qty.	1 ST		
Type	SDIS SL 1.0X5.5X125	Version	
Order No.	1274680000	Screwdriver, Mounting tool	
GTIN (EAN)	4050118073263		
Qty.	1 ST		

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Accessories

Crosshead screwdriver, Pozidrive

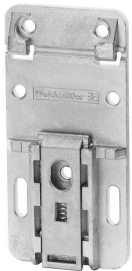


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General ordering data

Type	SDIK PZ2 SL	Version	
Order No.	1274740000	Screwdriver, Screwdriver	
GTIN (EAN)	4050118073218		
Qty.	1 ST		

Installation



Mounting accessory for Weidmüller Power Supplys.

General ordering data

Type	MTA 45 MF	Version	
Order No.	1251310000	Electronics housings, Mounting flange	
GTIN (EAN)	4050118042719		
Qty.	1 ST		