

CP DC BUFFER 24V 20A

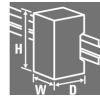
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



The Weidmüller DC buffer module is a supplementary system component for 24 V DC power system which can be used for various purposes. It delivers DC-power to bridge mains failures of the DC voltage system and can extend the hold-up time after loss of the mains power. The service-free electrolytic capacitors allow the continuous operation at ambient temperatures up to +70°C. It can also be operated in parallel to increase a longer bridging time or 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 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2021-12-31
Alternative product	2786240000

Creation date January 22, 2022 5:32:43 AM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

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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
Width	66 mm	Width (inches)	2.598 inch
Net weight	1,274 g		

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, 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
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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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 ²	Conductor cross-section, rigid , max.	16 mm ²
Conductor cross-section, rigid , min.	0.5 mm ²	Connection system	Screw connection
Wire connection cross section, flexible (input), max.	16 mm ²		

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

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 ²
Wire cross-section, solid , min.	0.2 mm ²		

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
ETIM 8.0	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	DE_PA5200_160510_001.pdf
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
User Documentation	Operating instructions
Catalogues	Catalogues in PDF-format
Brochures	

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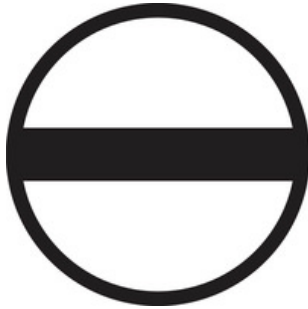
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Accessories

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

Installation



Due to the wide range of variants with output voltages of 5, 12, 24, and 48 V and extensive international approvals, they are suitable for use in many applications. The power range extends from 35 W to 350 W. The individual adaptability makes PRO-PM the right choice for many standard machines.

General ordering data

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

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Accessories

Crosshead screwdriver, Pozidrive



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	SDIK PZ2 SL	Version
Order No.	1274740000	Screwdriver, Mounting tool
GTIN (EAN)	4050118073218	
Qty.	1 pc(s).	

W-Series



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	W-Series, End bracket
GTIN (EAN)	4050118286892	
Qty.	50 pc(s).	
Type	WEW 35/2 V0 GF SW	Version
Order No.	1479000000	W-Series, End bracket
GTIN (EAN)	4050118286779	
Qty.	100 pc(s).	

Mouser Electronics

Authorized Distributor

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