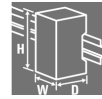


CP DC BUFFER 24V 20A**Weidmüller Interface GmbH & Co. KG**

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 pc(s). |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2021-12-31 |
| Alternative product | 2786240000 |

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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 |
| Humidity | 5...95 %, no condensation | | |

Rated data UL

| | |
|-------------------------|---------|
| Certificate No. (cURus) | E349964 |
|-------------------------|---------|

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 | Protection degree | IP20 |
| 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 |
|------------------------------------|---|--|---------|

Insulation coordination

| | |
|----------------------------------|------|
| Insulation voltage, input/output | 1 kV |
|----------------------------------|------|

Electrical safety (applied standards)

| | |
|-----------------------------------|------------------------------|
| For use with electronic equipment | Acc. to EN50178 / VDE0160 |
|-----------------------------------|------------------------------|

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Technical data

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 |
| Tightening torque, max. | 1.5 Nm | Tightening torque, min. | 1.2 Nm |
| 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 |
| Tightening torque, max. | 1.5 Nm | Tightening torque, min. | 1.2 Nm |

Connection data (signal)

| | | | |
|--|---------------------|--|---------------------|
| Wire connection cross-section, flexible (signal), max. | 1.5 mm ² | Wire connection cross-section, flexible (signal), min. | 0.2 mm ² |
| 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 | | |

Approbations

| | | | |
|-------------------------|---------|-------------------|-------|
| Certificate No. (cURus) | E349964 | Institute (cURus) | CURUS |
|-------------------------|---------|-------------------|-------|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002850 | ETIM 7.0 | EC002850 |
| ETIM 8.0 | EC002850 | ETIM 9.0 | 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 |
| ECLASS 12.0 | 27-04-06-92 | ECLASS 13.0 | 27-04-06-92 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 30bf869c-8adc-4ed2-ad02-c1fec963e943 |

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Technical data

Approvals

Approvals



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

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | DE_PA5200_160510_001.pdf |
| Engineering Data | CAD data – STEP |
| User Documentation | Operating instructions |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

CP DC BUFFER 24V 20A

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Accessories

W-Series

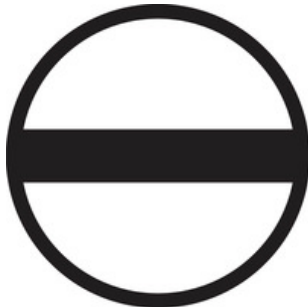
The logo for the W-Series, featuring a large orange 'W' above the word 'Series' in a grey sans-serif font.

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, Wemid, black, Rail: TS 35, when screwed in |
| GTIN (EAN) | 4050118286892 | |
| Qty. | 50 pc(s). | |
| Type | WEW 35/2 V0 GF SW | Version |
| Order No. | 1479000000 | End bracket, Wemid, black, Rail: TS 35, when screwed in |
| GTIN (EAN) | 4050118286779 | |
| Qty. | 50 pc(s). | |

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

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www.weidmueller.com**Accessories****Installation**

Mounting accessory for Weidmüller Power Supplies.

General ordering data

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

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, Screwdriver |
| GTIN (EAN) | 4050118073218 | |
| Qty. | 1 pc(s). | |