

Q-Specials

1st Quarter 2023

Power management is critical for reliable, safe, effective system operations and automation technology.

An increasing number of machines are being used worldwide today, and supplying power is challenging. Failure to do so can impact the entire production line and result in high costs.

Efficient power management systems ensure the safe and efficient operation of the system, which helps maintain the balance between power capacity and power consumption—resulting in load-shedding, cost-optimization, enhanced support, active and reactive power control, grid stability, design optimization, and excellent communication links.

Weidmüller offers a wide range of solutions that perfectly meet the diverse requirements of the machine construction, power, shipbuilding, and process industries.

Our switched-mode power supplies feature cost-effectiveness, performance, and innovation, thus securing the correct power management solution for every panel. Whatever your requirements, our power supplies provide reliable DC voltages in the 5-48 V range and can be used in all automation applications.

This Q-Special, find products that enable your company to manage the power requirements and stay competitive.

QUOTATION #Q1-2023:

Prices are valid from Jan. 1st to Mar. 31st, 2023, while supplies last. Valid for customers and distributors in Canada only. All orders must be submitted to Weidmüller Canada with the quotation number Q1 2023 by Mar.31, 2023.

CONTACT US:



TOLL FREE:
1.800.268.4080



EMAIL:
orders_can@weidmueller.com

Switched-Mode Power Supplies

INSTA POWER Power Supplies – Compact, Efficient and Reliable

An everlasting power supply for buildings and machines

Extremely efficient space and energy savings
Basic depth: only 60mm | High efficiency: up to 91% | no-load power loss : max. 0.5W



Robust and reliable

Operating temp range: -25°C to +70°C (start-up: -40°C) | High MTBF value: more than 1,000,000 hrs

Easy and quick to install

Mounts: either snapped onto a DIN rail or screwed to the control cabinet wall | PUSH IN connections

2580180000
PRO INSTA 16W
24V 0.7A
Reg. \$34.24
\$25.00

2580230000
PRO INSTA
60W 24V 2.5A
Reg. \$64.79
\$46.00

2580190000
PRO INSTA 30W
24V 1.3A
Reg. \$49.73
\$34.99

2580240000
PRO INSTA
60W 12V 5A
Reg. \$64.81
\$46.02

2580210000
PRO INSTA 30W
5V 6A
Reg. \$54.06
\$37.30

2580250000
PRO INSTA
90W 24V 3.8A
Reg. \$79.88
\$55.91

2580220000
PRO INSTA 30W
12V 2.6A
Reg. \$49.82
\$34.87

In building automation and mechanical engineering, small distributors, meter cabinets, and electrical distributions must often be taken into account since efficient power supply solutions with high power density and high efficiency are in demand here.

The single-phase INSTA POWER has a broad power spectrum, compact design, and good price-performance ratio. In addition, they operate in a temperature range from -25 °C to +70 °C and have a wide range of approvals and wide-range voltage input. As a result, they are suitable for various applications, including signal and telecommunication systems and automation systems with low power requirements of up to 96W.

With its unique combination of particularly slim design, proven PUSH IN connection technology and high-cost efficiency, INSTA POWER has decisive advantages over competitive products. Building automation with the compact power package.

Reliable planning for surge protection

SPD II AC Surge Protectors



Compact design

Width : only 18 mm per protective path
| Pluggable and maintenance-friendly

Universal application

UL1449 Approval | No additional pre-fuse required | Minimum wiring for all energy sources and power distributions

Maximum protection

20kA rated discharge current | 40 kA maximum discharge current

Indicators

Integrated contact for remote status indication

7940100400
SPD II 120V 40KA
Reg. \$ 57.37
\$ 41.31

7940100401
SPD II 230V 40KA
Reg. \$ 59.03
\$ 42.50

7940100403
SPD II 480V 40KA
Reg. \$ 59.03
\$ 41.32

7940100405
SPD II 120V/G/40KA*
Reg. \$ 88.60
\$ 63.79

*For line and neutral connection

The power distribution systems must be equipped with suitable surge protection in industrial facilities, private and public buildings, and systems for regenerative energy generation. This reliably prevents cost-intensive lightning and overvoltage damage.

The SPD II range of surge protectors is used for transient surge protection of single and multi-phase power circuits at the main electrical panel, downstream of the main circuit breaker, or in control panels. They provide common-mode protection (between each Line and Ground) with an impulse discharge capacity (Imax) of 40kA. Typical applications include low voltage distribution or protection of industrial control systems.

Branch Rated, Supplementary and Electronic Circuit Protection



1180 Series Circuit Breakers

1278950000	Reg. \$25.12
ETA 1180 01 1A	\$15.07
1278970000	Reg. \$25.12
ETA 1180 01 2A	\$15.07
1278990000	Reg. \$25.12
ETA 1180 01 3A	\$15.07

DIN-rail mounted circuit breakers are available for use in applications where circuit protection must be able to distinguish between circuit overloads and short circuits. In addition, each circuit breaker can be reset without the need to change components.

The thermal circuit breaker type 1180 reduces stoppages and downtime. Combined with a modular-style terminal block, the circuit breaker offers a perfect option for fuse block upgrades and individual protection for every circuit.

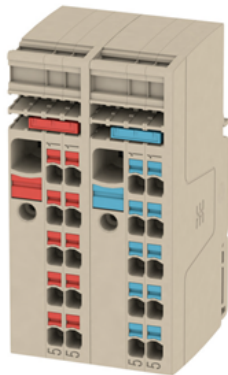
- Push button on/off and reset
- All standard amperages available from 0.1 A to 10.0 A
- cRUus (UL 1077) and CSA (C22.2 No. 235)

Terminal Block (Bases) For 1180 Series Circuit Breakers



7940108385	Reg. \$9.36
SOCKET SCREW TERM BLOCK	\$5.62
7940112375	Reg. \$10.60
SOCKET SCREW TER BLK 24V LED	\$7.42
7940112376	Reg. \$8.94
SOCKET TENSION TERMINAL BLOCK	\$7.15
7940112377	Reg. \$11.53
SOCKET TENSION TERMBLK 24V LED	\$7.49

- Screw type or tension (spring) type terminal options
- Circuit breaker status indication available with LEDs
- Only 9mm wide
- 12 V and 24 V LED versions
- cRUus, CE, RoHS



Modular Distribution Terminals with PUSH IN Technology

2506350000	Reg. \$72.66
SET AAP12	\$43.60
10/2.5/10C	

The unique modular concept can be tailored to every type of machine. The potential distribution terminal blocks AAP are successful thanks to their uniform design with two possible constructions – alternating or grouped. In the grouped structure of the control voltage distribution, the potentials are located on different terminal blocks and thus form entire potential blocks.



**Optimal Support For
Your Solution With
Power Supplies:**



Prices are valid from Jan. 1st to Mar. 31st, 2023 while supplies last. Orders must be received by Weidmuller by this date. Orders must be sent to an authorized Weidmuller distributor. Orders must reference quotation number Q1-2023. Please note that all prices (Regular Price and Special Price) are suggested prices in CAD and are valid for customers and distributors in Canada only. The image is for illustrative purposes only, please refer to the product description. We reserve the right to make technical changes.

Featured Products



VARITECTOR

Reliable Lightning and surge protection. Protects infrastructures. Secures your power supply.

In the North American market, electrical installations need to have surge protection. The current safety standard NFPA 79 defines the use of surge protection devices in machines with safety circuits.

This requirement is met by devices of the VARITECTOR PU AC US series. They are UL listed, which includes the requirements of NFPA 79. The product series has been specially adapted to the North American market. In addition to the requirements of UL 1449, it also meets the IEC/EN 61643-11 standard and can therefore be applied worldwide. The modules are space-saving and easy to install.

Your special advantages:

- **Powerful protection**

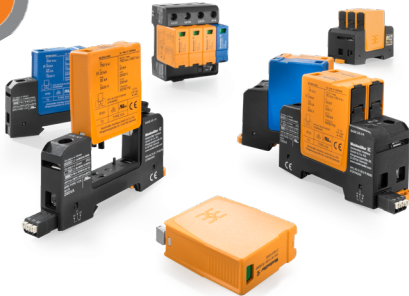
The custom-built integrated disconnection mechanism enables safe operation with a short-circuit resistance (SCCR) of up to 200kA.

- **Complete status control**

All products in the VPU AC series have a highly visible optical indicator. Variants with prewarning status indication ensure uninterrupted protection, as the integrated remote signaling contact reports the prewarning signal to external monitoring systems.

- **Safe and easy operation**

Smart locking mechanism ensures reliable operation even in rough environmental condition. Unique coding system prevents interchange of arresters.



Read more: [VARITECTOR](#) >

TOOLS

Cut it. Strip it. Crimp it.

With Weidmüller's professional tools, you can do your work faster, better, and more precisely than ever before. Even demanding tasks are easy and fatigue-free – almost like having superpowers. For over 40 years, we have been developing and manufacturing ergonomic, durable quality tools to meet the highest demands and optimize your work processes. Rely on our experience and be prepared for new challenges every day.



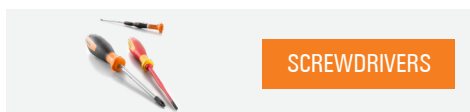
CUTTERS



WIRE STRIPPERS



CRIMPING TOOLS



SCREWDRIVERS



TESTING TOOLS



TOOL CHEST/SETS

Weidmüller Ltd.

10 Spy Court Markham ON Canada L3R 5H6 | Toll Free: (800)268-4080

ISO 9001:2015 Registered

Let's connect   

12/22 CA | LIT 1018