

MPE™ Rack PDU

Elementary Rack PDU



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MPE™

Rack Power Distribution Unit

The MPE™ Elementary Rack PDU is a Power Distribution Unit for data center applications, providing all the necessary functions of a rack-based power distribution unit to guarantee reliable power supply.

System Description

The Elementary Rack PDU is a solution for every data center looking for robust, economical and flexible rack concepts.

The MPE™ is part of the "Elementary Rack PDU" group, part of Emerson Network Power's rack PDU range, is designed to reliably supply power to IT devices in the server rack. Easily integrated into racks, the MPE offers high availability.

The MPE™ consists of a compact aluminum profile that is fully compatible with Emerson Network Power Knürr racks, along with other housing systems using corresponding slots without the need for tools - all specifically made to save space.

Multiple versions are available within the MPE™ product line to suit customers' needs. As a standard C13, C19 and SCHUKO sockets are available. The product's input cable is either hardwired or equipped with an IEC 60309 plug or, alternatively, a C20 socket, which can be used as a power input. Furthermore, one or three phase models with amperages of up to 32 A can be selected.

For models with > 20 A input current, individual groups are protected with a 20 A circuit breaker (hydraulic-magnetic). Cables

with locking mechanisms can be further connected to the outputs.

The PDU can be integrated into ENP Knürr racks or other housing systems with corresponding slots without the use of tools.

Material: Closed housing, aluminum profile

Surface: Finely textured, powder-coated (top cover)

Color: RAL 7021 (black-grey), Vampamid 6 (UL94) recyclable plastic parts, finely textured and colored (RAL 9005).



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The MPE™ Features

- Flexible power cable input, simplifying installation within the rack
- Cable and hardwired options (input cable can be connected locally)
- Output cable with locking mechanism, prevents IT cables from being accidentally disconnected
- SpeedMount option for Knürr DCM® rack lowers installation costs and provides extra space in rack for cables and other components
- High variability within the MPE™ line (various plug, socket, and power level combinations)
- Low unit profile with ultra-flat circuit breakers guarantees the most efficient space utilization
- High ambient temperature of up to 60 °C
- Highly durable aluminum profile for outstanding mechanical resistance

Environmental Conditions

Ambient temperature	During operation: 5 °C – 60 °C Storage temperature: -20 °C – 85 °C
Relative humidity	10 – 90% non-condensing
Operating altitude	Max. 3000 m

Standards

The MPE™ is designed in accordance with the relevant sections of the following documents. If the information in the documents does not correspond with this specification, the information in the below specification shall apply.

Europe	CB certification: IEC 60950-1 (2 nd) CE compliance: LVD incl. harmonized standards hereunder BV-BG certification (factory inspected)
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Physical Dimensions

Width x Depth	56 mm x 50 mm
Length	826.5 mm and 1736.5 mm

Items Supplied

- MPE™ rack PDU
- Tool-less mounting buttons
- Safety notes
- User manual

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