

Data sheet

MPH2™ Managed Rack PDU

MPH2™ Managed Rack PDU

The MPH2™ is a power distribution unit for IT racks which allows you to measure electrical values. Depending on the model, individual outputs can also be remote-controlled. Various IT devices and other sensitive electronic loads can be connected to the MPH2™.

The **MPH2™** belongs to the “Managed Rack PDU” group which is part of Emerson Network Power’s range of rack PDUs. It is designed to remote-monitor and control the IT devices in the server rack. The **MPH2™** can easily be integrated into a rack and management architecture and offers high availability and optimized energy and capacity management. The housing consists of a compact aluminum profile and can be integrated into Knürr racks from Emerson Network Power or other housing systems in a space-saving manner.

Depending on the model, phases, groups or individual outputs can be measured. The individual outputs can also be remote-controlled. Adjustable threshold values with an alarm function increase the availability of the connected loads. The integrated RPC2k communications card allows you to connect together up to 4 **MPH2™** / **MPX™** units and to remote-monitor and maintain all connected units. This card can be replaced during operation. The **MPH2™** unit has an integrated display. In addition, the optional external RPCBDM-1000 display module can be connected and flexibly attached to the rack. Up to 10 sensors (temperature, air humidity, door contacts as well as potential-free input contacts) can be connected to the communications card. In the case of models with an input current >16 A, individual groups are protected with

a 20 A circuit breaker (hydraulic, magnetic). Cables with locking mechanisms can be connected to the outputs.

Depending on the model, the connecting cable for the **MPH2™** is fixed attached to the housing (cable length 3 m) or an external connecting cable can be connected directly. The PDU can be integrated into ENP Knürr racks or other housing systems with corresponding slots without the use of tools.

- Remote management: Onboard web interface, USB, CLI, SNMPv1,2,3, SSH, Telnet, integratable into Avocent ACS, UMG & MPU, DSView, Rack Power Manager, Nform & Trellis as well as Nagios or other management software programs.
- Authentication: Local, remote: Active directory, LDAP, TACACS, Radius, Kerberos.
- Encryption: MD5, AES, DES.
- Measurement parameters: Current (A), voltage (V), real power (W), apparent power (VA), consumption (kWh), power factor, frequency and crest factor (only Typ M and R).
- Accuracy: +-1% (V, A).
- Power loss: 3 W - 7 W.
- Material / surface / color: Closed housing, aluminum profile, finely textured powder-coated top (RAL 7021), Vampamid 6 0024 V0 (UL94) recyclable plastic parts, finely textured and colored (RAL 9005).



0U Version of MPH2 PDU



19" Version of MPH2 PDU

Datenblatt

MPH2™ Managed Rack PDU

MPH2™ available versions

Model/functions	MPHR	MPHM	MPHC	MPHB
Input/group measurement	■	■	■	■
Output measurement	■	■		
Output switching	■		■	

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. 2000 m

Standards

The MPH2™ is designed in accordance with the relevant sections of the following documents. If the information in the documents and this specification does not correspond, the information in this specification shall apply.

Europe	CB certification: IEC 60950-1:2005 (2nd ed.) + A1:2009 BG certification: EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + AC2011 EMC: EN 55022:2010 + AC:2011 EN 55024:2010 EN 61000-4-2 EN 61000-4-11 CE-compliance: Directive 2004/108/EC Electromagnetic Compatibility (EMC) Directive 2006/95/EC Low voltage (LVD) Directive 2011/65/EU Restriction of the use of certain hazardous substances (RoHS)
North America	UL certification: UL 60950-1, Second Edition, rev. December 19, 2011 EMC: CAN/CSA C22.2 No. 60950-1-2007 (R2012) FCC: CFR47

Physical dimensions

	Vertical units	Horizontal units
Width x Depth	56 mm x 50 mm	482.6 mm (440 mm) x 250 mm
Length / Height	916 mm / 1004 mm / 1737 mm / 1827 mm	44 mm

Items supplied

- MPH2™ rack PDU
- Standard fixing bracket
- Safety notes
- Quickstart guide

Locations

Emerson Network Power
Global Headquarters
1050 Dearborn Drive
P.O. Box 29186
Columbus, OH 43229, USA
T +1 614 8880246

**Emerson Network Power
Europe Middle East And Africa**
Mariakirchener Straße 38
94424 Arnstorf, Germany
T +49 8723 27 0
F +49 8723 27 154
knuerr@emerson.com

**Emerson Network Power
United Kingdom**
George Curl Way
Southampton
SO18 2RY, UK
T +44 (0)23 8061 0311
F +44(0)23 8061 0852

Globe Park
Fourth Avenue
Marlow Bucks, SL7 1YG
Tel +44 1628 403200
Fax +44 1628 403203
UK.Enquiries@Emerson.com

While every precaution has been taken to ensure accuracy and completeness herein, Emerson assumes no responsibility, and disclaims all liability, for damages resulting from use of this information or for any errors or omissions. Specifications subject to change without notice.

Follow us on Social Media:



Emerson. Consider it Solved, LIFE, Trellis, Emerson Network Power and the Emerson Network Power logo are trademarks and service marks of Emerson Electric Co. or one of its affiliated companies.
©2016 Emerson Electric Co. All rights reserved.
MKA4LOUKMPH2 Rev.3-03/2016