

## DIN rail power supply AMR1-24



- Single-phase input: 90 VAC to 264 VAC
- Output: 24 VDC to 61 °C
- Output power of 10 watts (420 mA)
- Temperature range from -40 °C to +71 °C
- Robust plastic housing with top-hat rail mounting

<https://www.wachendorff-prozesstechnik.de/en/AMR1-24>

### Description

The AMR1-24 power supply unit is a high-quality switched-mode power supply unit specially designed for building automation. It impresses with its compact and intelligent top-hat rail design and its robust and compact plastic housing. The output voltage is highly stable even with temperature fluctuations and load changes.

In addition to short-circuit protection, overload and overvoltage protection at the output also ensure a high level of safety.

### Product details

Input voltage range:	100 VAC to 240 VAC
Nominal input voltage:	90 VAC to 264 VAC or 120 to 375 VDC
Inrush current:	(115 /230 VAC): 16/32 A
Input current:	(115 /230 VAC): 200 mA / 135 mA
Internal fuse:	T1 A / 250 VAC
Output voltage:	Factory setting +/-1 %: 24 VDC
Switch-on delay:	after applying the supply: 1 sec (max.)
Isolation:	Insulation voltage input/output: 3,000 VAC/4,242 VDC
Continuous current:	at 24 VDC < 25 °C (In): 420 mA (permanent)
Hold-up time:	at 115/230 VAC and 25 °C : typically 10/30 milliseconds
Ripple:	50 mVpp
efficiency:	80 % (230 VAC)
Maximum power loss:	2.5 watts at 25 °C (230 VAC)
Overload protection:	125 % to 185 %
Short-circuit protection:	HICCUP mode
Overvoltage protection:	Auto recovery with 30 to 33 VDC
Standards and approvals:	UL 508 Listed / UL 60950-1 Recognized UL 1310 Class 2 Power Recognized TÜV EN 60950-1 EN 61000-6-3, EN 55032 Class B EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024 EN 61000-4-2 Level 3, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3 EN 61000-4-6 Level 3, EN 61000-4-8 Level 4 EN 61000-4-11 ENV 50204 Level 2, EN 61204-3

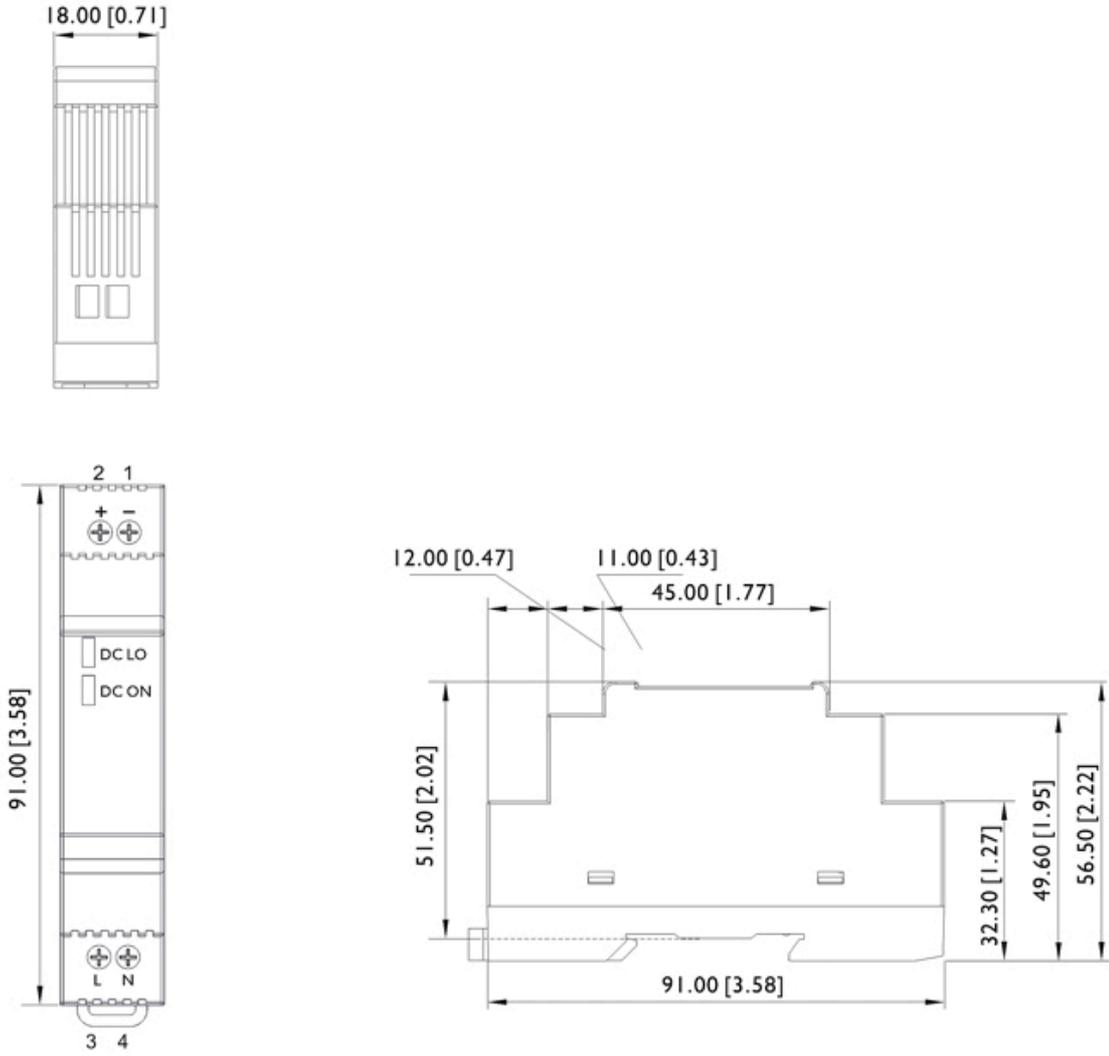
Reliability:	MTBF 910,000 hours
Protection class:	IP20
Housing:	Sturdy plastic housing for mounting in the sub-distribution board. Mounting on the top-hat rail.
Dimensions (WxHxD):	18 mm x 91 mm x 56.5 mm
Connection:	Screw terminals: AWG26-12 with 0.2 to 2.5 mm <sup>2</sup> cross-section
Relative humidity:	max. 95 % rH at 25 °C, non- condensing.
Ambient temperature:	Operation: -40 °C to +71 °C ( > 61 °C leads to a reduction of the operating values by 2.5 % / °C ) Storage: -40 °C to +85 °C.
Weight:	approx. 65 g
Scope of delivery:	Device, operating instructions.
Manufacturer:	Chinfa Electronics Ind. Co, Ltd.

### Products Order no.

AMR1-24	DIN rail power supply unit for building automation, 90 to 264 VAC, 24 VDC, 0.42 A
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Drawings

Dimensions



Abmessungen in mm [Inch]



Wachendorff Prozesstechnik GmbH & Co. KG  
Industriestrasse 7 • 65366 Geisenheim  
Germany

Phone: +49 (0) 67 22 / 99 65 - 20  
E-Mail: [wp@wachendorff.de](mailto:wp@wachendorff.de)  
[www.wachendorff-prozesstechnik.de](http://www.wachendorff-prozesstechnik.de)

