DIN rail power supply AMR4-24

- Single-phase input: 90 VAC to 264 VAC
- Output: 24 VDC to 56 °C
- Output power of 60 watts (2.5 A)
- Temperature range from -40 °C to +71 °C
- Robust plastic housing with DIN rail mounting

https://www.wachendorff-prozesstechnik.de/en/AMR4-24

Description

The AMR4-24 power supply unit is a high-quality switched-mode power supply unit specially designed for building automation. It impresses with its compact and intelligent DIN 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

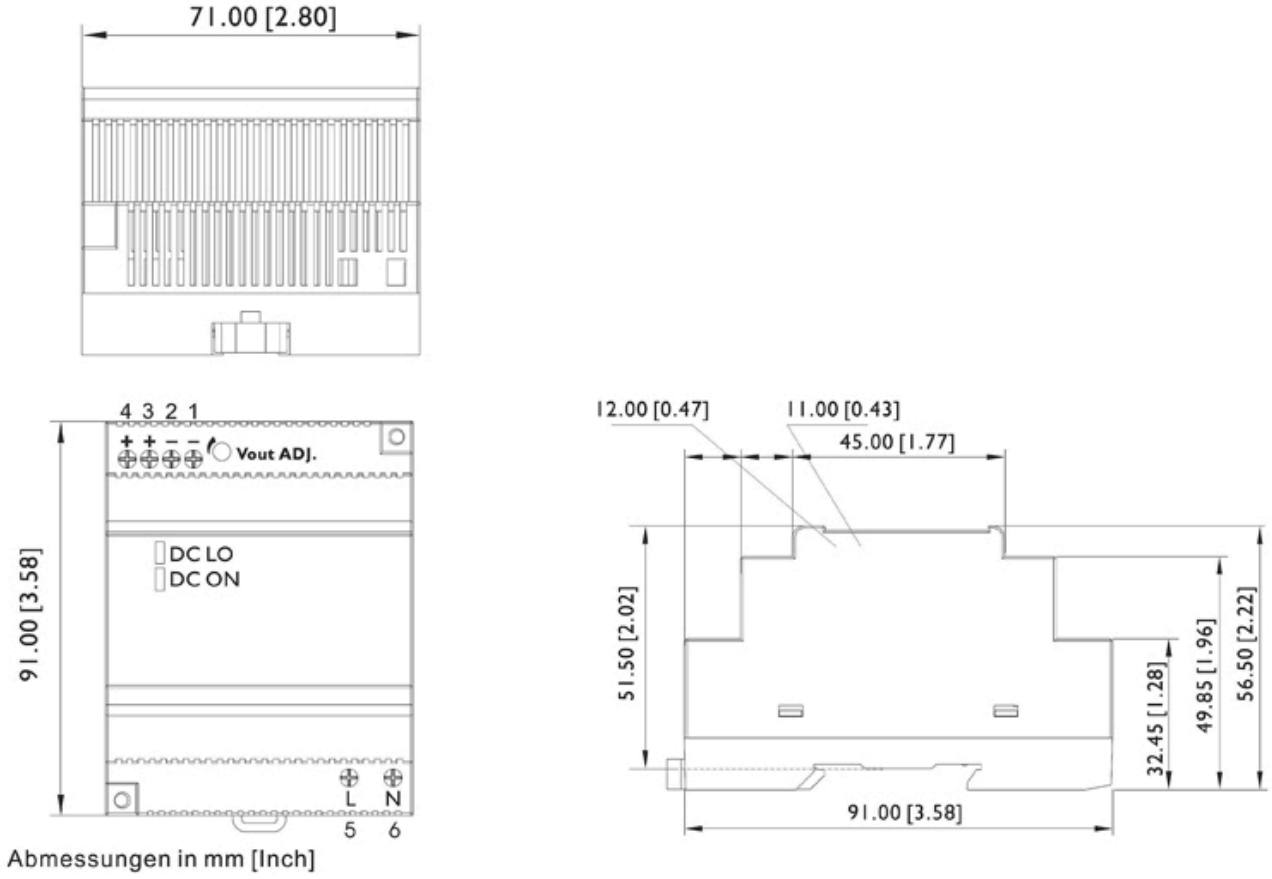
Input voltage range:	100 VAC to 240 VAC
Nominal input voltage:	90 VAC to 264 VAC or 120 to 375 VDC
Inrush current:	(115 /230 VAC): 30/60 A
Input current:	(115 /230 VAC): 1,100 mA / 600 mA
Internal fuse:	T2 A / 250 VAC
Output voltage:	Factory setting +1 %: 24 VDC
Switch-on delay:	after applying the supply: 1 sec (max.)
Isolation:	Insulation voltage input/output: 3,000 VAC/4,242 VDC
Continuous current:	at 24 VDC < 25 °C (In): 2.5 A (permanent)
Hold-up time:	at 115/230 VAC and 25 °C : typically 12/60 milliseconds
Ripple:	≤ 50 mVpp
efficiency:	≥ 86 % (230 VAC)
Maximum power loss:	9.9 watts at 25 °C (230 VAC)
Overload protection:	110 % to 150 %
Short-circuit protection:	Fold forward 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 4, 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 662,000 hours
Protection class:	IP20
Housing:	Sturdy plastic housing for mounting in the sub-distribution board. Mounting on the DIN rail.
Dimensions (WxHxD):	71 mm x 91 mm x 56.5 mm
Connection:	Screw terminals: AWG24-12 with 0.2 to 2.5 mm² cross-section
Relative humidity:	max. 95 % rH at 25 °C, non- condensing.
Ambient temperature:	Operation: -40 °C to +71 °C (> 56 °C leads to a reduction of the operating values by 2.5 % / °C) Storage: -40 °C to +85 °C.
Weight:	approx. 250 g
Scope of delivery:	Device, operating instructions.
Manufacturer:	Chinfa Electronics Ind. Co, Ltd.

Products Order no.

AMR4-24	DIN rail power supply unit for building automation, 90 to 264 VAC, 24 VDC, 2.5 A

Drawings

Dimensions



Abmessungen in mm [Inch]

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