

DIN rail power supply unit DRA100-24



- Single-phase input: 90 VAC to 264 VAC
- Output: 24 VDC to 61 °C
- Output power of 100 watts (4.2 A)
- Robust plastic housing with DIN rail mounting

<https://www.wachendorff-prozesstechnik.de/en/DRA100-24>

Description

The DRA100-24 power supply unit is a high-quality switched-mode power supply unit for DIN rail mounting. It impresses with its compact and intelligent design and its robust plastic housing. The output voltage is easy and simple to adjust (24 VDC to 28 VDC) and 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 264 VAC
Nominal input voltage:	90 VAC to 240 VAC or 120 to 375 VDC
Inrush current:	(115 /230 VAC): 30/60 A
Input current:	(115 /230 VAC): 1.65 A / 0.83 A
Internal fuse:	T3.15 A / 250 VAC
Output voltage:	Factory setting +/-1 %: 24 VDC
Output voltage adjustment range:	22.5 VDC to 28.5 VDC
Switch-on delay:	after applying the supply: 1 second (max.)
Isolation:	Input/output insulation voltage: 3,000 VAC Insulation voltage input/PE: 1,500 VAC Insulation voltage output/PE: 500 VAC
Continuous current:	at 24 VDC < 25 °C (In): 4.2 A (permanent) at 28.5 VDC < 25 °C (In): 3.5 A
Hold-up time:	at 115/230 VAC and 25 °C : typically 15/30 milliseconds
Ripple:	≤ 50 mVpp
efficiency:	≥ 86 % (230 VAC)
Maximum power loss:	15 watts at 25 °C (230 VAC)
Overload protection:	110 to 140 %
Short-circuit protection:	Fold-forward mode
Overvoltage protection:	Auto recovery with 30 to 33 VDC

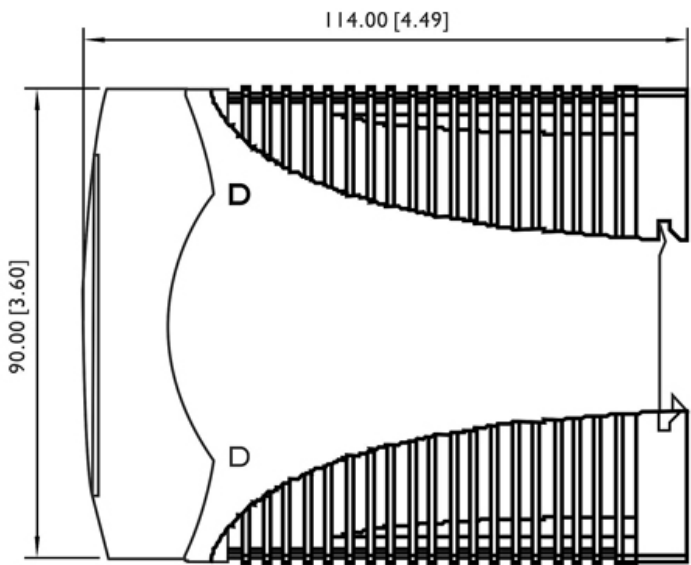
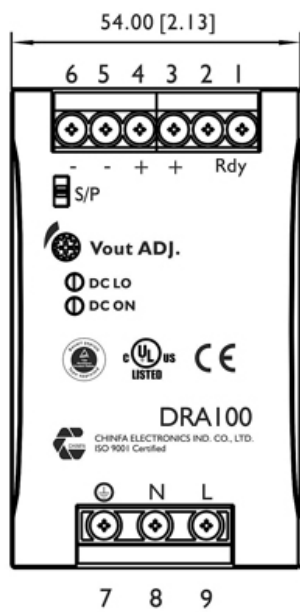
Standards and approvals:	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24AL model only) Recognized ISA 12.12.01 (Class I, Division 2, Groups A, B, C and D) TÜV EN 62368-1, EN 61558-1, EN 61558-2-16 (meet EN 60204-1) TÜV UL 62368-1 CE EN 61000-6-3, EN 55032 Class B, EN 61000-3-2, EN 61000-3-3 CE EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 CE EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 CE EN 61000-4-6 Level 3, EN 61000-4-8 Level 4, EN 61000-4-11 CE ENV 50204 Level 2, EN 61204-3
Reliability:	MTBF 531,000 hours
Protection class:	IP20
Housing:	Sturdy plastic housing. Mounting on the DIN rail.
Dimensions (WxHxD):	54 mm x 90 mm x 114 mm
Connection:	Screw terminals: AWG24-10 with 0.2 to 4 mm ² cross-section
Relative humidity:	max. 95 % rH at 25 °C, non-condensing.
Ambient temperature:	Operation: -35 °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. 430 g
Scope of delivery:	Device, operating instructions.
Manufacturer:	Chinfa Electronics Ind. Co, Ltd.

Products Order no.

DRA100-24A	Power supply unit for DIN rail, 85 to 264 VAC, 24 VDC 4.2 A, screw terminal
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Drawings

Dimensions



Abmessungen in mm [Inch]



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