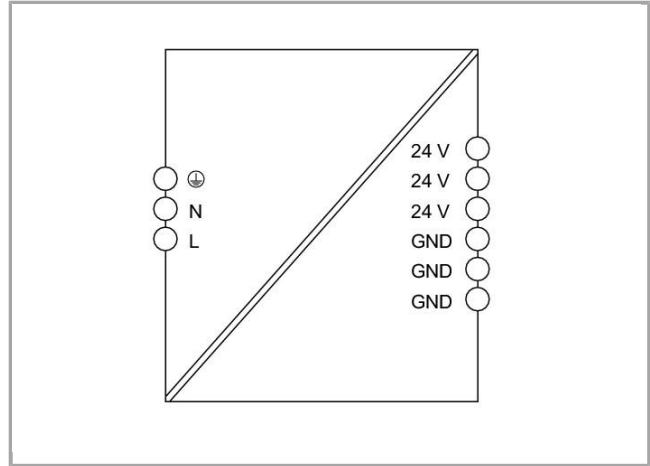


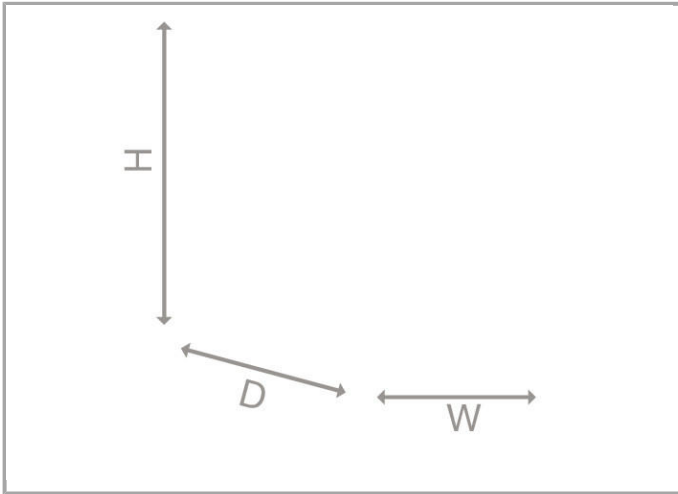
Data sheet | Item number: 787-2850

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage;
1.25 A output current



www.wago.com/787-2850





Item description

Features:

- Stepped profile for installation in standard distribution boards
- Connection technology with Push-in CAGE-CLAMP®
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per EN/UL 61010-1 or EU/UL 61010-2-201

Data

Technical Data

Input

Phases	1
Nominal input voltage $U_{i\text{nom}}$	AC 110 ... 240 V
Input voltage range	AC 100 ... 264 V
Nominal mains frequency range	47 ... 63 Hz
Input current I_i	≤ 0.55 A (110 VAC); ≤ 0.33 A (240 VAC)
Inrush current	≤ 24 A (NTC)
Mains failure hold-up time	≥ 95 ms (230 VAC)

Output

Nominal output voltage $U_{o\text{nom}}$	DC 24 V (SELV)
Nominal output current $I_{o\text{nom}}$	1.25 A (24 VDC)
Nominal output power	30 W
Adjustment accuracy	≤ 2 %
Residual ripple	≤ 60 mV (peak-to-peak)
Overload behavior	Hiccup



Signaling and communication

Signaling	1 x LED operation status indicator (green)
Operation status indicator	LED green (U _o)

Efficiency/Power losses:

Power loss P _v	≤ 0.5 W (230 VAC; no load); ≤ 4 W (230 VAC; nominal load)
Max. power loss P _{v max.}	5 W (110 VAC / 24 VDC; 1.35 A)
Efficiency	88 %

Fuse protection:

Internal fuse	T 1.25 A / 250 VAC
External fuse (recommended)	Leitungsschutzschalter 16 A; Charakteristik B oder C

Safety and protection:

Insulation voltage (PRI-SEC)	DC 3.5 kV
Isolation voltage (PRI-GND)	DC 1.4 kV
Insulation voltage (SEC-GND)	DC 0.5 kV
Protection class	I
Protection class	IP20 (per EN 60529)
Feedback voltage	≤ DC 32 V
Overvoltage category	III
Overvoltage protection, secondary	≤ 32 VDC (in case of an error)
Short circuit protection	Yes
No-load proof	Yes
Parallel operation	Yes
Series connection	Yes
MTBF	> 2,500,000 h (per EN/IEC 61709 at +40 °C)

Connection data

Connection type (1)	Input
Connection technology	Push-in CAGE CLAMP®
WAGO terminal	WAGO 804 Series
Solid conductor	0.25 ... 2.5 mm ² / 20 ... 12 AWG
Fine-stranded conductor	0.25 ... 2.5 mm ² / 22 ... 12 AWG
Strip length	10 ... 11 mm / 0.39 ... 0.43 inch
Connection type (2)	Output
Connection technology 2	Push-in CAGE CLAMP®
WAGO terminal 2	WAGO 805 Series



Solid conductor (2)	0.2 ... 1.5 mm ² / 24 ... 16 AWG
Fine-stranded conductor (2)	0.2 ... 1.5 mm ² / 24 ... 16 AWG
Strip length (2)	9 ... 10 mm / 0.35 ... 0.39 inch

Geometrical Data

Width	36 mm / 1.417 inch
Height	90 mm / 3.543 inch
Depth	62 mm / 2.441 inch
Length from upper-edge of DIN-35 rail	55 mm / 2.165 inch

Mechanical data

Type of mounting	DIN-35 rail (EN 60715)
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Material Data

Flammability class per UL94	V0
Weight	120 kg

Environmental Requirements

Surrounding air (operating) temperature	-20 ... 70 °C (in nominal mounting position); -20 ... +55 °C (in any mounting position)
Surrounding air (storage) temperature	-40 ... 85 °C
Relative humidity	5 ... 96 % (no condensation permissible)
Derating	-1.7 %/K (> 55 °C)
Pollution degree	2
Climatic category	3K3 (per EN 60721)

Standards and specifications

Conformity marking	CE
Standards/specifications	EN 61204-3; EN 61010-1; EN 61010-2-201; cULus 61010-1; cULus 61010-2-201; DNV GL

Commercial data

GTIN	4055143810906
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Approvals / Certificates

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA00001ZJ




UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 508	E255817

Compatible products

tools

	Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm	www.wago.com/210-720
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Downloads

Documentation

Bid Text

787-2850	doc 40.4 kB	Download
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Instruction Leaflet

Power Supply Compact DC 24 V, 1,25 A, SELV	pdf 1.8 MB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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Product family

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