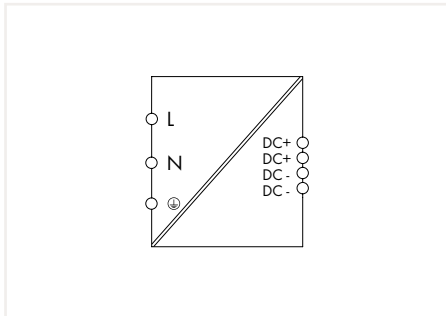
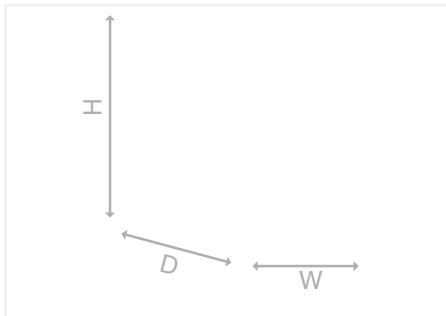


# Switched-Mode Power Supply; Eco; 1-Phase; 24 VDC / 2.5 A 787 Series



Switched-Mode Power Supply; Eco; 1-phase; Output voltage: 24 VDC; Output current: 2.5 A

	Item No.	Pack. Unit
	787-1712	1



#### Features:

- Switched-mode power supply
- Natural convection cooling when horizontally mounted
- Enclosed for use in control cabinets
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per EN 60950-1/UL 60950-1 and EN 60335-1; PELV per EN 60204
- DIN-35 rail mountable in different positions
- Direct installation on mounting plate via cable grip

Input	
Nominal input voltage $U_{i, \text{nom}}$	100 ... 240 VAC
Input voltage range	90 ... 264 VAC; 125 ... 375 VDC
Nominal mains frequency range	47 ... 63 Hz; 0 Hz
Input current $I_i$	$\leq 0.6$ A (230 VAC); $\leq 1.2$ A (115 VAC)
Inrush current	$\leq 18$ A
Power factor correction (PFC)	Passive
Mains failure hold-up time	$\geq 10$ ms (230 VAC)

Output	
Nominal output voltage $U_{o, \text{nom}}$ /adjustment accuracy	24 VDC (SELV) / $\leq 1$ %
Output voltage range	22 ... 26 VDC (adjustable)
Nominal output current $I_{o, \text{nom}}$	2.5 A (24 VDC; 110 ... 240 VAC); 2 A (24 VDC; 100 ... 240 VAC)
Nominal output power	60 W (max.)
Residual ripple	$\leq 200$ mV (peak-to-peak)
Overload behavior	Constant power (in overload range: 1.05 ... 1.4 x $I_{o, \text{nom}}$ ); Shutdown and automatic restart in the event of a short circuit

Signaling and Communication	
Signaling	1 x DC OK LED (green)

Efficiency/Power Losses	
Efficiency	$\geq 88$ % (230 VAC; 2.5 ADC)

Fuse Protection	
Internal fuse	F 2 A / 250 VAC
Recommended backup fusing	Circuit breaker: B6, B10

Safety and Protection/Environmental Requirements	
Isolation voltage (pri.-GND/sec.-GND/pri.-sec.)	2.2 kVDC / 0.7 kVDC / 4.242 kVDC
Protection class/protection type	I / IP20 (per EN 60529)
Oversvoltage category	II
Short-circuit-protected	Yes
Parallel operation/series operation	Yes/yes, for two devices of the same type
MTBF	$> 300,000$ h (per IEC 61709)
Surrounding air temperature (operation)	$-20$ ... $+60$ °C
Relative humidity	10 ... 95 % (no condensation permissible)
Derating	$-4$ %/K ( $> +45$ °C)
Pollution degree	2

Connection Data	
Connection technology	CAGE CLAMP®
Input/output (solid/fine-stranded/AWG)	0.08 ... 2.5 mm <sup>2</sup> / 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG

Geometric Data/Mechanical Data/Material Data	
Width x height x depth (mm)	40 x 90 x 99; depth from upper-edge of DIN-rail
Mounting type	DIN-35 rail (EN 60715); Screw mounting
Weight	300 g

Standards and Specifications	
Approvals/standards/specifications	CE; EN 60950; EN 61204-3; EN 60335; UL 60950; UL 508