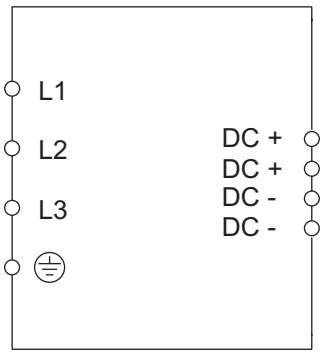
Power Supply Unit

Primary switched-mode, DC 24 V / 10 A

Data sheet



Description	Item-No.	Pack.-unit pcs
Input 3 x AC 400 V ; Output DC 24 V / 10 A	787-640	1

Power supply unit with a broad input voltage range for assembly onto DIN 35 rail.

Characteristics:

- U/I characteristic.
- Short circuit proof.
- Open circuit proof.
- Parallel connection possible.
- Thermal overload protection.
- Use of switching regulator controller technology ensures compact design.
- High efficiency.

Technical Data

Input	
Nominal voltage $U_{I\ nom}$	3 x AC 400 V
Voltage range	AC 325-550 V
	DC* 460-770 V
	* Use of DC requires external protection
Frequency	50-60 Hz
Input current I_i	3 x 0.6 A at AC 400 V
Inrush current	<40 A_P
Discharge current	1 $mA_{typ.}$
Output hold-up time	>10 ms
External fuse	3 x 1.6 AT required
Overvoltage protection	Varistor at primary circuit
Output	
Nominal voltage $U_{O\ nom}$	DC 24 V
Voltage range	DC 22.8-28.8 V adjustable
Output current I_o	10 A at DC 24 V
Adjustment accuracy	2 %
Residual ripple	<100 mVpp at 20 MHz
Current limitation	from approx. 1.2 x I_O (see output characteristic)
Efficiency	89%$_{typ.}$ (at nominal load)
Power loss P_0	4,50 $W_{typ.}$ at Uin 400 V
Safety extra low voltage	SELV
General data	
Test voltage	4.2 kV
Degree of protection	IP 20
Protection class	prepared for class I equipment
LED green	at Uo > DC 18 V
LED red	at overcurrent
Ambient operating temperature	-10 °C...+60 °C
Derating	-3 % / K (>40 °C)

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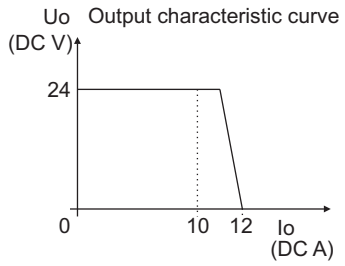

Storage temperature	-25 °C...+85 °C
Relative air humidity	30-85 %, no condensation
Mounting system	To be snapped onto DIN rail (EN 50022)
Wire connection	Terminal blocks with CAGE CLAMP®
	(WAGO series 231)
	0.08-2.5 mm^2 / AWG 28-12**
	** AWG12: THHN, THWN
Stripped length	8-9 mm / 0.33 in
Weight	940 g
Dimensions (WxHxD)	(118 x 87***x 140) mm
	(4.53 x 3.43***x 5.51) in
	*** from upper edge of DIN35 rail
Standards / prescriptions	
	EN 60950-1
	EN 61204-3
	EN 61204-7
Approvals	UL 60950 (CSA C22.2 / No.60950-1-03)
	UL 508 (CSA C22.2 / No.14-95)

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Subject to design changes
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