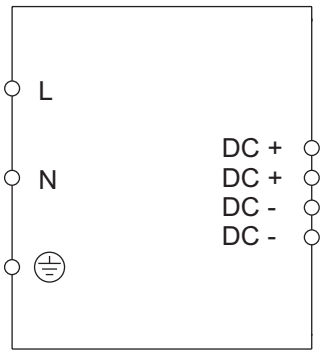
Power Supply Unit

Primary switched-mode, DC 24 V / 5 A

Data sheet



Description	Item-No.	Pack.-unit pcs
Input AC/DC 230 V ; Output DC 24 V / 5 A	787-622	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.
- Use of switching regulator controller technology ensures compact design.
- High efficiency.
- Overload-proof (short time).
- Cutoff in case of thermal overload.

Technical Data

Input	
Nominal voltage $U_{I\ nom}$	AC/DC* 230 V
Voltage range	AC 90-264 V
	DC* 130-300 V
	* Use of DC requires external protection
Frequency	50-60 Hz
Input current I_i	1.2 A at AC 230 V
Inrush current	<50 A_P
Discharge current	550 $\mu A_{typ.}$
Output hold-up time	>20 ms
Overvoltage protection	Varistor at primary circuit
Output	
Nominal voltage $U_{O\ nom}$	DC 24 V
Voltage range	DC 22-28.8 V adjustable
Output current I_o	5 A at DC 24 V
Residual ripple	<100 mVpp at 20 MHz
Adjustment accuracy	2 %
Current limitation	from approx.1.1 x I_a (see output characteristic)
Efficiency	89 $\%_{typ.}$ (at nominal load)
No-load power loss P_0	1,5 $W_{typ.}$ at U_{in} 115 V
	1,7 $W_{typ.}$ at U_{in} 230 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
Cooling system	natural convection cooling when horizontally mounted
Design	encapsulated, for use in switchgear cabinets
Parallel connection of power supply units	permissible
Operation indicator	LED green (24 V o.k.)
Ambient operating temperature	-10 °C...+70 °C

WAGO Kontakttechnik GmbH & Co. KG Postfach 2880 • D-32385 Minden
Hansastr. 27 • D-32423 Minden
Tel.: 05 71 / 8 87-0 E-Mail: info@wago.com
Fax.: 05 71 / 8 87-169 Web: http://www.wago.com

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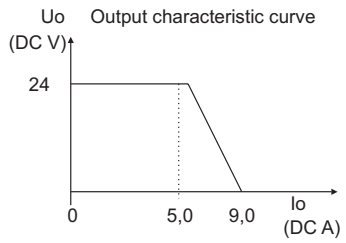

Derating	-3 % / K (>55 °C)
Storage temperature	-25 °C...+85 °C
Relative air humidity	30-85 %, no condensation
Mounting system	To be snapped onto DIN rail (EN 50022)
Wire connection	Terminal blocks with CAGE CLAMP®
	(WAGO series 231)
	0.08-2.5 mm^2 / AWG 28-12**
	** AWG12: THHN, THWN
Stripped length	8-9 mm / 0.33 in
Weight	750 g
Dimensions (WxHxD)	(67 x 133***x 120) mm
	(2.64 x 5.24***x 4.72) in
	*** from upper edge of DIN35 rail
Standards / prescriptions	
	EN 60950-1
	EN 61204-3
	EN 61204-7
Approvals	UL 60950 CAN/CSA C22.2 No.60950
	UL 508 CSA C22.2 No.14-M91

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