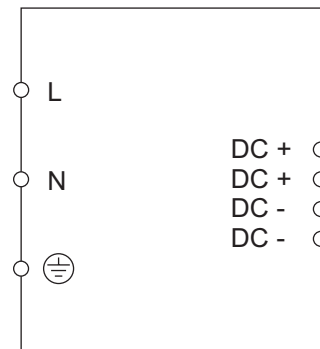


Power Supply Unit

Primary switched-mode, DC 12 V / 8 A

1/2

Data sheet



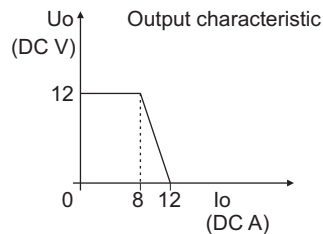
Description	Item-No.	Pack.-unit pcs
Input AC/DC 230 V ; Output DC 12 V / 8 A	787-621	1
<p>Power supply unit with a broad input voltage range for assembly onto DIN 35 rail.</p> <p>Characteristics:</p> <ul style="list-style-type: none"> • U/I characteristic. • Parallel connection possible. • Short circuit 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. 	<p>Technical Data</p> <p>Input</p> <p>Nominal voltage $U_{I\ nom}$ AC/DC* 230 V</p> <p>Voltage range AC 90-264 V DC* 130-300 V</p> <p>* Use of DC requires external protection</p> <p>Frequency 50-60 Hz</p> <p>Input current I_i 1.2 A at AC 230 V</p> <p>Inrush current <50 A_p</p> <p>Output hold-up time >20 ms</p> <p>Overvoltage protection Varistor at primary circuit</p> <p>Output</p> <p>Nominal voltage $U_{O\ nom}$ DC 12 V</p> <p>Voltage range DC 11-15 V adjustable</p> <p>Output current I_o 8 A at DC 12 V</p> <p>Residual ripple <100 mVpp up to 20 MHz</p> <p>Adjustment accuracy 2 %</p> <p>Current limitation from approx. 1.1 x I_a (see output Characteristic)</p> <p>Efficiency 85 %_{typ.} (at nominal load)</p> <p>Power loss P_o 0,60 W_{typ.} at U_{in} 115 V 0,90 W_{typ.} at U_{in} 230 V</p> <p>Safety extra low voltage SELV</p> <p>General data</p> <p>Test voltage 4.2 kV</p> <p>Degree of protection IP 20</p> <p>Protection class prepared for class I equipment</p> <p>Cooling system natural convection cooling when Horizontally mounted</p> <p>Design encapsulated, for use in switchgear Cabinets</p> <p>Parallel connection of power supply units not permissible</p> <p>Operation indicator LED green (12 V o.k.)</p> <p>Ambient operating temperature -10 °C...+70 °C</p> <p>Derating -3 % / K (>50 °C)</p>	

Power Supply Unit

2/2

Primary switched-mode, DC 12 V / 8 A

Data sheet



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	800 g
Dimensions (WxHxD)	(67 x 133 x 120***) mm (2.68 x 5.12 x 5.71***) in
	*** from upper edge of DIN35 rail
Standards / prescriptions	
	EN 60950-1
	EN 61204-3
	EN 61204-7