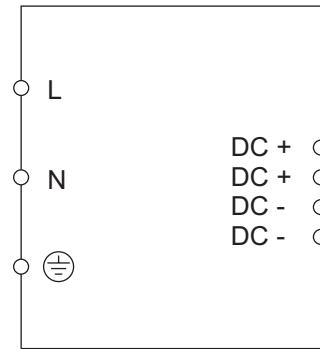


# Power Supply Unit

1/2

Primary switched-mode, DC 12 V / 2 A

Preliminary data sheet



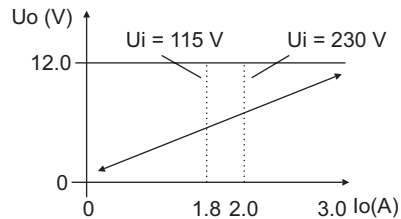
Description	Item-No.	Pack.-unit pcs
Input AC/DC 230 V ; Output DC 12 V / 2 A	787-601	1
<p>Power supply unit with a broad input voltage range for assembly onto DIN 35 rail.</p> <p>Characteristics:</p> <ul style="list-style-type: none"> <li>• U/I characteristic.</li> <li>• Short circuit proof.</li> <li>• Open circuit proof.</li> <li>• Use of switching regulator controller technology ensures compact design.</li> <li>• High efficiency.</li> <li>• Overload-proof (short time).</li> <li>• Cutoff in case of thermal overload.</li> <li>• Output voltage range adjustable.</li> </ul>	<p><b>Technical Data</b></p> <p><b>Input</b></p> <p>Nominal voltage <math>U_{I\ nom}</math> 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 <math>I_i</math> 0.3 A at AC 230 V</p> <p>Inrush current &lt;15 A<sub>p</sub></p> <p>Discharge current 900 <math>\mu</math>A<sub>typ.</sub></p> <p>Output hold-up time &gt;20 ms</p> <p>Overvoltage protection Varistor at primary circuit</p> <p><b>Output</b></p> <p>Nominal voltage <math>U_{O\ nom}</math> DC 12 V</p> <p>Voltage range DC 11-15 V adjustable</p> <p>Output current <math>I_o</math> 2 A at DC 12 V</p> <p>Residual ripple &lt;150 mV<sub>pp</sub> at 20 MHz</p> <p>Adjustment accuracy 2 %</p> <p>Current limitation from approx. 1.5 x I<sub>a</sub> (see output characteristic)</p> <p>Efficiency 78 %<sub>typ.</sub></p> <p>Safety extra low voltage SELV</p> <p><b>General data</b></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 (&gt;50 °C)</p> <p>Storage temperature -25 °C...+85 °C</p>	

# Power Supply Unit

2/2

Primary switched-mode, DC 12 V / 2 A

**Preliminary data sheet**



Output characteristic ( $T_U = 50\text{ }^\circ\text{C}$ )

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 <sup>2</sup> / AWG 28-12** ** AWG12: THHN, THWN
Stripped length	8-9 mm / 0.33 in
Weight	310 g
Dimensions (WxHxD)	(40 x 95 x 90 <sup>***</sup> ) mm (1.57 x 3.74 x 3.54 <sup>***</sup> ) in *** from upper edge of DIN35 rail
<b>Standards / prescriptions</b>	
Safety	EN 60950, UL 60950, UL 508
Emission of interference	EN 61000-6-3
Immunity to interference	EN 61000-6-2