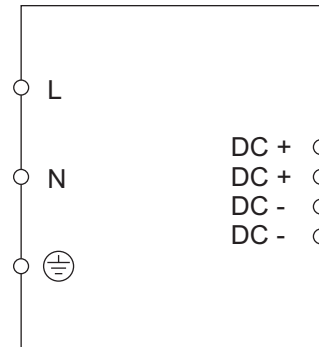


# Power Supply Unit

1/2

Primary switched-mode, DC 24 V / 2.5 A

**Data sheet**



Description	Item-No.	Pack.-unit pcs
Input AC/DC 230 V ; Output DC 24 V / 2.5 A	787-612	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> </ul>	<p><b>Technical Data</b></p> <p><b>Input</b></p> <p>Nominal voltage <math>U_{I \text{ 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> 0.6 A at AC 230 V</p> <p>Inrush current / <math>I^2t</math> &lt;50 A<sub>P</sub></p> <p>Discharge current 700 <math>\mu\text{A}_{\text{typ.}}</math></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 \text{ nom}}</math> DC 24 V</p> <p>Voltage range DC 22-28.8 V adjustable</p> <p>Output current <math>I_o</math> 2.5 A at DC 24 V</p> <p>Residual ripple &lt;100 mV<sub>pp</sub> at 20 MHz</p> <p>Adjustment accuracy 2 %</p> <p>Current limitation from approx. <math>1.1 \times I_a</math> (see output characteristic)</p> <p>Efficiency 88%<sub>typ.</sub> (at nominal load)</p> <p>Power loss <math>P_o</math> 1,34 W<sub>typ.</sub> at <math>U_{in}</math> 115 V 1,90 W<sub>typ.</sub> at <math>U_{in}</math> 230 V</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 permissible</p> <p>Operation indicator LED green (24 V o.k.)</p> <p>Ambient operating temperature -10 °C...+70 °C</p>	

## Power Supply Unit

2/2

Primary switched-mode, DC 24 V / 2.5 A

**Data sheet**

