



VIPA System 300V – Power supplies PS 307/2.5A

Power supply PS 307/2.5A

The power supply was designed as a wide-range input module. This unit is a component of the VIPA product family 300V and is capable of output current of 2.5A.

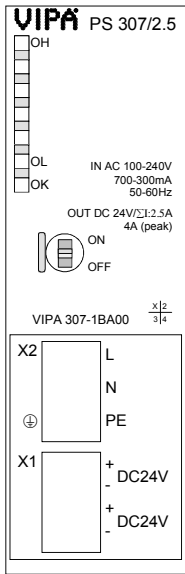
Features

This power supply has the following properties:

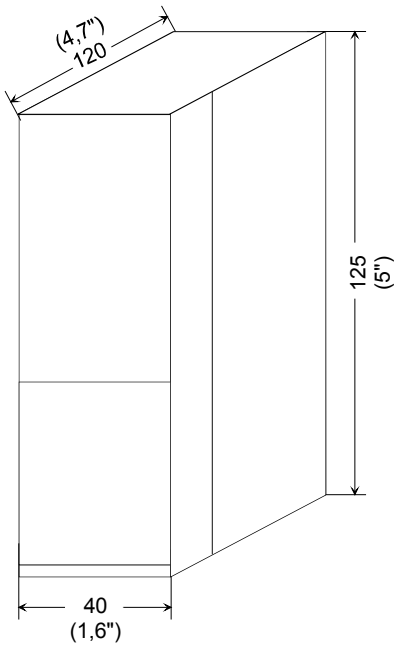
- Wide-Range input
- 24V DC output voltage
- High efficiency
- Compatible with the System 300V family
- Installed on a standard profile rail
- Over temperature protection
- Short-circuit, overload and no load / open circuit protection



Front view:

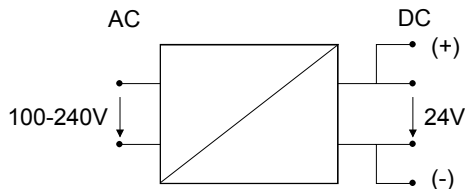


Dimensions:



all dimensions in mm / (inches)

Block diagram:



Technical data	PS 307/2.5A
<p>Electrical data</p> <p>Nominal input voltage</p> <p>Frequency</p> <p>Nominal input current</p> <p>- inrush current</p> <p>Buffering time (for input voltages $\geq 150V$ AC)</p> <p>Nominal output voltage</p> <p>- residual ripple</p> <p>- no load voltage / protection</p> <p>Nominal output current</p> <p>Efficiency</p> <p>Losses</p> <p>Parallel connection</p>	<p>100...240V AC</p> <p>50/60Hz</p> <p>0.3A/AC 230V</p> <p>15A max.</p> <p>10ms min.</p> <p>24V $\pm 5\%$ DC</p> <p>< 100mV_{pp} incl. Spikes</p> <p>yes</p> <p>2.5A</p> <p>typ. 90% at I_{rated}</p> <p>7W at P_{rated}</p> <p>yes</p>
<p>Operating conditions</p> <p>Temperature range</p> <p>Storage</p> <p>Additional functions/ indicators</p> <p>EMC</p> <p>Certification/CE</p> <p>General protection</p> <p>Installation connection</p>	<p>0°C...55°C</p> <p>(55°C at reduced output)</p> <p>- 25°C...+ 85°C</p> <p>OH: over-temperature (red)</p> <p>OL: overload (yellow)</p> <p>OK: status power ok (green)</p> <p>DIN EN 61000/section 4-8</p> <p>yes</p> <p>Short circuit; overload; no load/open circuit; over temperature</p> <p>IP 20</p> <p>DIN-rail mounted 35mm/System 300V tension clamp</p> <p>input/output</p>
<p>Dimensions and weight</p> <p>Widthxheightxlength</p> <p>Weight</p>	<p>40x125x120</p> <p>500g</p>
<p>Ordering details</p>	<p>VIPA 307-1BA00</p>
<p>Accessories</p> <p>Alu-DIN-Rail, 530mm</p>	<p>VIPA 390-1AF30</p>