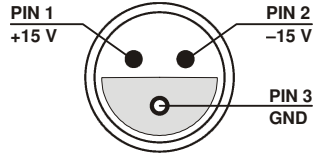


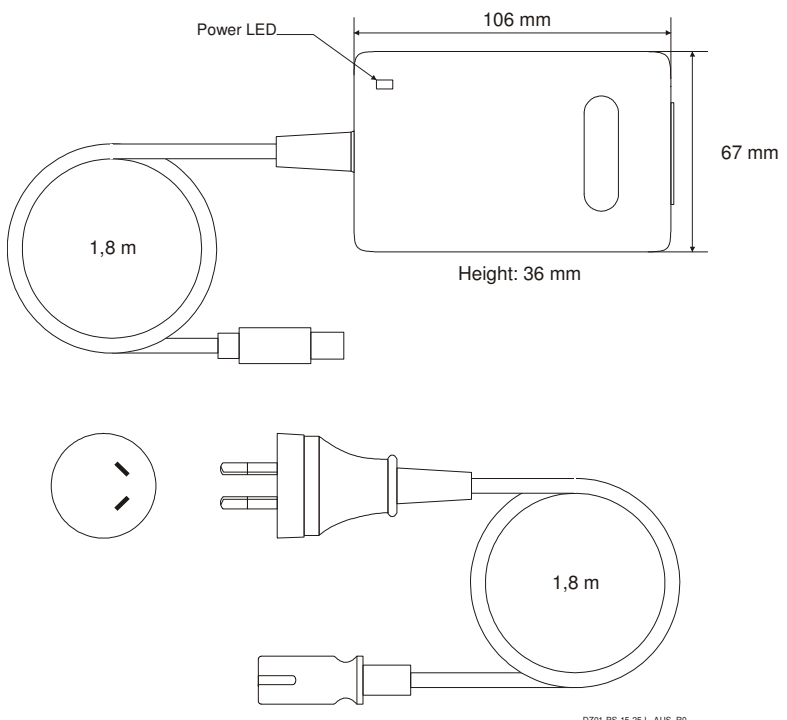
Power Supply for FEMTO Amplifier Modules

Features	<ul style="list-style-type: none"> • Regulated stabilization ± 15 VDC • Low ripple and noise • Wide input range switched power supply 										
Safety Instructions	<p>This power supply is exclusively designed for use with FEMTO amplifier modules. Before use, take care to follow general electrical safety rules and notice the information shown in this datasheet and at the type label on the power supply. Do not use visibly damaged power supplies. Do not use this power supply in security relevant applications or in chemically aggressive environment. Do not expose this power supply to unusual mechanical stress or vibrations. During use do not expose the unit to direct sunlight and do not cover it. Respect the general rules for fire prevention. Use in original condition only, do not open, do not repair the unit. When operation is no longer possible or considered to be unsafe, the power supply must be taken out of service and be secured against unintended operation.</p>										
Environmental Protection	<p>FEMTO offers all end users in the EU the possibility to return "end of life" units without incurring disposal charges. If you wish to return a unit for waste recovery, please contact FEMTO for further information. Do not dispose of the unit in a litter bin or at a public waste disposal site.</p>										
Safety and EMI Requirements	<p>The manufacturer declares that this product meets the requirements and the intents of the following standards, normative documents and directives. The unit bears the CE mark. A complete declaration of CE-conformity is available upon request.</p> <p>EN 55022 Class B, EN55024, EN 61000-3-2, EN 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11 RoHS 2011/65 EMC Directive 2004/108/EC Low Voltage Directive 2006/95/EC REACH Directive (EC) No 1907/2006 (SVHC candidate list from Dec. 2011 with 73 substances)</p>										
Specifications	<table border="0"> <tr> <td>Test conditions</td> <td>$T_A = 25 \text{ }^\circ\text{C}$</td> </tr> <tr> <td>Input</td> <td> Input voltage 100 ... 240 VAC, $\pm 10 \%$, 47 ... 63 Hz Power consumption, no load 2.3 W typ. Power consumption, max. load 20 W max. Inrush current max. 15 A @ 115 VAC, max. 30 A @ 230 VAC </td> </tr> <tr> <td>Output</td> <td> Output voltage ± 15 VDC, $\pm 5 \%$ +5 VDC (not connected to the output connector) Output current +500 mA / -300 mA max. Ripple and noise 15 mV_{RMS} typ. (@ +500 mA / -300 mA load) </td> </tr> <tr> <td>Protections</td> <td> Insulation voltage, prim./sec. 4242 VDC Insulation resistance, prim./sec. 10 GΩ min. (@ 500 VDC) Temperature protection installed Overload protection short-circuit-proof No load protection idle-running-proof </td> </tr> </table>	Test conditions	$T_A = 25 \text{ }^\circ\text{C}$	Input	Input voltage 100 ... 240 VAC, $\pm 10 \%$, 47 ... 63 Hz Power consumption, no load 2.3 W typ. Power consumption, max. load 20 W max. Inrush current max. 15 A @ 115 VAC, max. 30 A @ 230 VAC	Output	Output voltage ± 15 VDC, $\pm 5 \%$ +5 VDC (not connected to the output connector) Output current +500 mA / -300 mA max. Ripple and noise 15 mV _{RMS} typ. (@ +500 mA / -300 mA load)	Protections	Insulation voltage, prim./sec. 4242 VDC Insulation resistance, prim./sec. 10 G Ω min. (@ 500 VDC) Temperature protection installed Overload protection short-circuit-proof No load protection idle-running-proof		
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**Power Supply
for FEMTO Amplifier Modules**

Ambient Conditions	Storage temperature	-40 °C... +85 °C
	Operating ambient temperature	0 °C... +40 °C
	Air humidity	0 % ... 95 %

Connector/Cable	AC input cord AUS-version	VDE, 2 x 0.75 mm ² , black AUS-plug, type I AS 3112 (2 pin) to Euro 8, IEC-60320-C7
	DC output cord DC output connector	22AWG, black Lemo® series 1S, 3-pol (Mating plug type: FFA.1S.303.CLAC52)
	Connector pin assignment	

Dimensions	 <p style="text-align: right; font-size: small;">DZ01-PS-15-25-L_AUS_R0</p>
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Scope of Delivery	Power supply, AC power cord, datasheet, transport package
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