

Convel 41000 Series DIN Rail Mounting Power Supplies for Instrumentation Applications

The 41000 Series range of power supplies are designed for quick and trouble-free installation onto 35mm profile DIN rails. With outputs ranging from 5V to 24V and maximum current capabilities from 100mA to 500mA, these units are ideal for most instrumentation and control systems.

Every model in the range is provided with output current foldback limiting and is fully short-circuit protected. Great attention has been taken to usability and safety. A green "supply on" LED is provided to clearly indicate the presence of power, and link selection allows the use of 110 or 230V supplies without derating.

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GENERAL SPECIFICATIONS

| | |
|-----------------------------------|--|
| Input | 115 VAC or 230 VAC ($\pm 10\%$) link selectable |
| DC Output | See model chart |
| Ripple & Noise | less than 5mV rms. |
| Output Voltage Tolerance | $\pm 0.5\%$ max. |
| Load Regulation | $\pm 0.2\%$ for 50% load change |
| Line Regulation | $\pm 0.05\%$ for 10% line change |
| Isolation: Input to output | 3750 VAC min. |
| Temperature Rating | Standard Range: 0°C to +50°C full-rated, derated linearly to 40% at 70°C |
| Safety | In accordance with EN60950; IEC950; UL1950; and CSA 22.2 |
| Transformer | VDE 0551 |
| Case Size | (l x w x h) 119.2 x 45 x 73.2mm. The case is rated to IP20 |
| Case Material | Polycarbonate (self extinguishing to UL 94V-0) |
| Weight | 0.37kg 41245: 0.53kg |

| Model | Output Voltage Volts | Output Current mA |
|-------|----------------------|-------------------|
| 41052 | 5 | 200 |
| 41055 | 5 | 500 |
| 41121 | 12 | 100 |
| 41122 | 12 | 200 |
| 41124 | 12 | 400 |
| 41151 | 15 | 100 |
| 41153 | 15 | 300 |
| 41241 | 24 | 100 |
| 41242 | 24 | 200 |
| 41245 | 24 | 500 |