

MBUS-PWR *100 Watt, Power Supply for the MetraBus*



Features

- Provides 100 Watts of power to MetraBus I/O Boards
- Wide input ranges 90-132 VAC or 180-264 VAC
- Short circuit protected

Functional Description

The MBUS-PWR is required to provide power to MetraBus I/O boards whenever the system usage exceeds 1A at +5 Vdc, or whenever ± 15 volt power is required (for analog I/O boards). The MBUS-PWR provides up to 100 watts to your system. This power may be distributed to the I/O boards via the MetraBus cable or via the C-POWER-10 series that uses standard 4-pin PC power type connectors. The board provides multiple connections, allowing the user maximum flexibility in placing the power supply anywhere in the system as well as minimizing the current in any one cable.

The MBUS-PWR is fully compatible with all MetraBus I/O mounting chassis and hardware, and is compliant with IEC, LTL, CSA and VDE safety requirements.

Specifications

General

| | |
|-----------------|------------------------------|
| Efficiency | 65% min @ 100 W |
| Line regulation | $\pm 0.5\%$ max at full load |

Input

| | |
|-----------|--|
| Voltage | 90 to 132 Vac or 180 to 264 Vac |
| Frequency | 47 to 440 Hz |
| Current | 3.2 A (rms) @ 115 Vac 1.8 A (rms) @ 230 Vac |

Output

| | |
|--------------|----------------------|
| +5 Vdc | 10 A, max. |
| +15 Vdc | 4 A, max. |
| -15 Vdc | 1 A, max. |
| Ripple/noise | 1% peak to peak, max |

Order

MBUS-PWR

MetraBus Power Supply