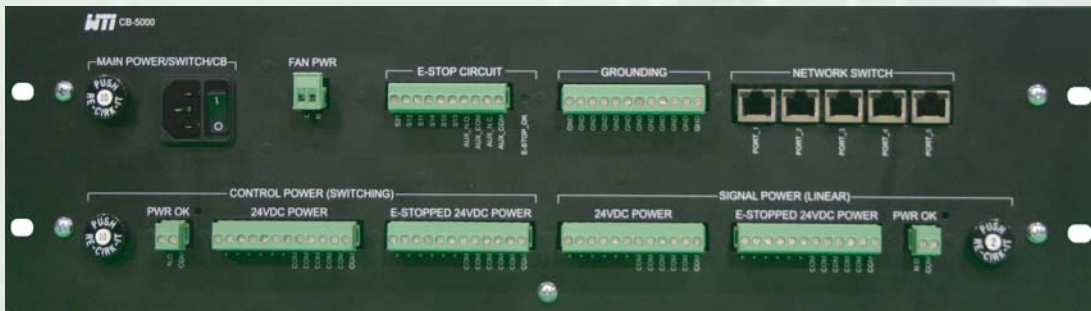


CB-5000

Power Module

CB-5000

The CB-5000 single 19" rack mount device that offers complete control and signal power distribution for most data acquisition systems. Using a single 120VAC source, the CB-5000 will provide up to 10A of 24VDC control (switching) power. It also can provide up to 2A of 24VDC signal (linear) power. The CB-5000 also integrates a Euchner ESM-BA301 safety relay into its power distribution so power can be removed when it is in an Emergency Stop condition. Finally, the CB-5000 provides a single point of connections for all Ethernet capable connections such as the PC, Real-Time Controller, etc. These connections are all connected to an internal Ethernet switch.



Features/Capabilities

- Rack-mount construction for use with 19" rack enclosures.
- A shielded, metal enclosure to minimize interference.
- Pluggable, screw type terminal blocks.
- External circuit breakers that are easily reset.
- Surge Arrestor to help protect the CB-5000 from transients.
- Uses visual indicators to provide a clear indication if the E-Stop is tripped or power is not OK for signal or control power.
- Chassis exhaust fan to prevent overheating.
- External 120VAC connection for enclosure fan.



Specifications

This appendix lists the specifications for the CB-5000 connector module. Unless otherwise noted, all specifications are typical at 25° C.

Physical

Dimensions	19.0 in. by 5.22 in. by 8.25 in.
------------------	----------------------------------

Power Requirements

Input Power	110 VAC, 10A
-------------------	--------------

Control Power Output

Output Voltage	24...28VDC
Output Current	10 A
Output Power	250 Watts
Output Voltage Ripple	50 mV _{p-p} maximum

Signal Power Output

Output Voltage	23.5...24.5VDC
Output Current	2.1 A
Output Power	50.4 Watts
Line Regulation	±0.005% max
Load Regulation	±0.005% max.

CB-5000 Dimensions

