

Profile

PRODUCT



Overview

The 1394-DCLM (DC Link Module) provides additional load leveling and energy storage (capacitance) for Bulletin 1394 digital AC multi-axis motion control systems. This allows additional regenerative energy to be stored during the machine cycle, increasing system capacity, lowering cycle time, and avoiding resistive heat loss.

Features

The 1394 DC Link Module provides the following features:

- ◆ “Snap-fit” onto 1394 axis modules for easy installation
- ◆ No customer wiring required
- ◆ UL and CUL Listed and CE approved
- ◆ Integral fusing and protection
- ◆ Software setup — no adjustments to make
- ◆ Provides additional capacitance to decrease shunt use
- ◆ Module can be used alone or two modules can be used to interconnect two 1394 systems using plug and play cable
- ◆ Compact axis module form factor allows for minimum panel space

Typical Applications

Applications that require repetitive high-speed acceleration/deceleration or reversal or frequent stopping will benefit from the use of the 1394-DCLM. Typical applications include:

- ◆ Transfer press part handling
- ◆ Cut-to-length
- ◆ Punch press
- ◆ Gap conveyor

1394 DC Link Module



Allen-Bradley

Catalog Number 1394-DCLM



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Specifications

Certification

The 1394-DCLM is certified for the following:

- UL Listed (File E59272)
- CUL Listed
- CE marked for all applicable directives

Electrical Specifications

Input voltage	530/680 DC
Amperes	Continuous 32A peak 200A
Capacitance	990 μ F
Energy storage	7.36 joules based on a nominal 50V bus ripple

Cable Requirements

Cables	1394-CPDC-0015 or 1394-CPDC-0030
Available lengths	1.5 m (4.92 ft) or 3 m (9.84 ft)

Mechanical Specifications

Weight	4.8 kg (10.5 lbs)
Height	400 mm (15.75 in)
Depth	280 mm (11.02 in)
Width	50 mm (1.97 in)

Environmental Ratings

Operating temperature	0 - 50° C (32 - 122° F)
Humidity	5 - 95% relative humidity, non-condensing

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