

Profile

PRODUCT



Overview

The 1394-SJT22 22kW System Module provides additional DC Link power for machine configurations requiring high power, high duty cycle axes. In addition to higher output power, the 22 kW System Module also includes active soft start for lower power up inrush current and the Smart Power control system for improved process optimization. Package size and mounting are identical to the existing 1394-SJT05 and SJT10 system modules. A new resistor regulated shunt (braking) module, available in ratings 300-3600W, is required for braking.

Features

The 1394-SJT22-xxx (22 kW System Module) provides the following features:

- ◆ UL and CUL Listed and CE marked to meet local agency requirements
- ◆ Active Soft Start circuitry lowers current inrush at power-up (200A vs. 1200A)
- ◆ Smart Power control system for on-board assessment and process optimization
- ◆ Same dimensions and mounting as 1394-SJT05/SJT10 (requires shunt/brake module)
- ◆ Output power of 22 kW continuous, 160 kW peak (34A/200A)

Typical Applications

Applications that require four high-power, high duty cycle axes will benefit from the use of the 1394-SJT22-xxx System Module. The 1394-SJT22 System Module should also be considered for applications that benefit from low inrush current at power-up. Additionally, since the 1394-SJT22 system module contains the Smart Power system it should be used for systems requiring power use monitoring. Typical applications include:

- ◆ Converting
- ◆ Thermoforming
- ◆ Heavy duty machine tool
- ◆ Material handling

1394 22 kW System Module



Allen-Bradley

Catalog Number 1394-SJT22-xxx
(-C, -C-RL, -T, -T-RL, -A)



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Specifications

22 kW System Module

Catalog Number

1394-SJT22-C	System Module, 22 kW IMC S Class w/o RIO w/o AxisLink
1394-SJT22-C-RL	System Module, 22 kW IMC S Class with RIO with AxisLink
1394-SJT22-T	System Module, 22 kW IMC S Class Turbo w/o RIO w/o AxisLink
1394-SJT22-T-RL	System Module, 22 kW IMC S Class Turbo with RIO with AxisLink
1394-SJT22-A	System Module, 22 kW IMC C Class analog interface w/o Bulletin 1201 HIM

Certification

The 1394-SJT22-xxx is certified for the following:

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

Electrical Specifications

Input voltage	324-528V AC, 50/60 Hz Three phase
Inrush current	200A
Capacitance	600 μ F
Output voltage	460 - 810V DC
Output power	22 kW continuous 160 kW peak
Output current	34A continuous 200A peak

Shunt (braking) Module for 22 kW System

Catalog Number

Ratings

Shipping Weight

Mechanical Specifications

1394-SR9A	300 W continuous, 160,000 W peak, module	3.63 kg (8 lb)	Height	400 mm (15.75 in)
1394-SR9AF	900 W continuous, 160,000 W peak, fan-cooled module	4.08 kg (9 lb)	Depth	280 mm (11.02 in)
1394-SR36A	1800 W continuous, 160,000 W peak, module	8.6 kg (19.0 lb)	Width	150 mm (5.91 in)
1394-SR36AF	3600 W continuous, 160,000 W peak, fan-cooled module	9.0 kg (20.0 lb)		

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