

# Profile

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## PRODUCT



### Overview

The 1394C-SJTxx-L is a 460V system module that incorporates all the features and functionality of the 1394C-SJTxx-C system module, but is optimized for single-axis applications. This system module is programmed using GML Commander, and is compatible with a full range of ferrite and rare earth motors. In addition to single axis support, it also features the ability to receive feedback from a master axis. It provides the standard DH-485 interface to PanelView with the option for remote I/O for PLC-intensive applications, or AxisLink for multi-section applications. The 1394C-SJTxx-L uses all standard 1394 family options, such as cables.

### Features

The 1394C-SJTxx-L provide the following features:

- ◆ Active soft start for reduced input fusing requirements and frequent power cycles
- ◆ Smart Power management tools
- ◆ Pluggable power connections
- ◆ Control power and registration electrical noise filters for reduced power supply requirements

### Typical Applications

All new applications requiring a single high duty cycle axis will benefit. The 1394 Series C 5 and 10 kW system modules should also be considered for applications requiring frequent power cycling or power monitoring. Typical applications include:

- ◆ High speed packaging
- ◆ Material handling
- ◆ Press load/unload
- ◆ Converting

## 1394 Single Axis



**Allen-Bradley**

Catalog Numbers 1394C-SJT05-L-xx, 1394C-SJT10-L-xx

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# Specifications

## Catalog Number

1394C-SJT05-L-xx	1394 Series C System Module, 15 Amp peak output
1394C-SJT10-L-xx	1394 Series C System Module, 29.46 Amp peak output

## Certification

The 1394C-SJT05-L-xx and -SJT10-L-xx system modules are certified for the following:

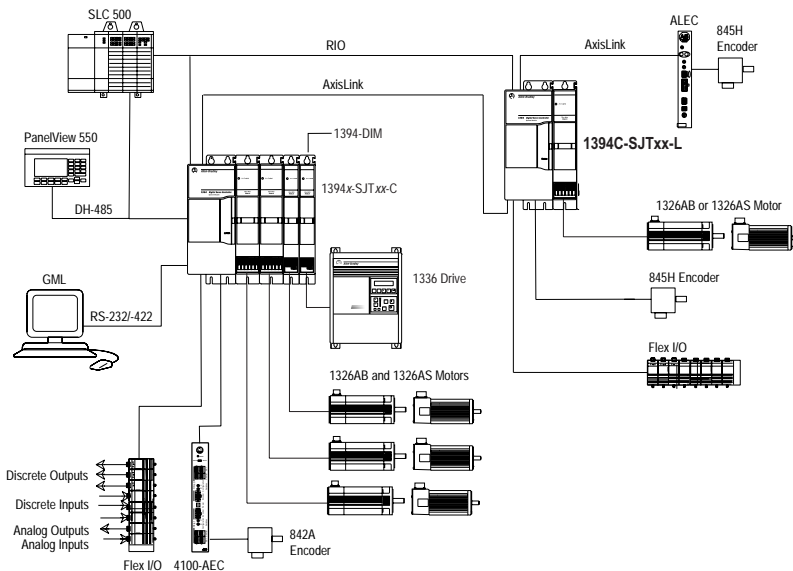
UL Listed	CE marked for all applicable directives
CUL Listed	C-Tick Listed

## Environmental Specifications

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

## Mechanical Specifications

Weight		
1394C-SJT05	10.68 kg (23.5 lb)	
1394C-SJT10	10.68 kg (23.5 lb)	
1394C-AM03, -AM04, -AM07	5 kg (11.02lb)	
1394C-AM50, -AM75	7kg (15.44 lb)	
1394C-AM50-IH, AM75-IH	6.73 kg (14.8 lb)	
Height	350 mm (13.78 in)	
Depth	280 mm (11.02 in)	
Width		
1394C-SJTxx	150 mm (5.91 in)	
1394C-AM03, -AM04, -AM07	50 mm (1.97 in)	
1394C-AM50, -AM75	75 mm (2.95 in.)	
1394-AM50-IH, -AM75-IH	75 mm (2.95 in.)	



## Electrical Specifications

Input voltage	324 - 528V AC 50/60 Hz, three phase
Inrush current	697A < 1μs
Output voltage	530/680V DC
Output power	1394C-SJT05 4/5 kW continuous, 28 kW peak
	1394C-SJT10 8/10 kW continuous, 28 kW peak
Output current	1394C-SJT05 7.36A continuous, 15.0A peak
	1394C-SJT10 14.73A continuous, 29.46A peak

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