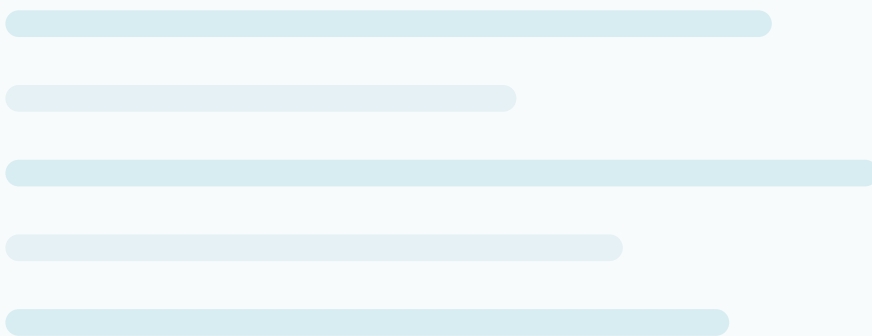


ALLEN-BRADLEY

1394C-SJT10-T-RL

Datasheet



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Selected manufacturer documentation

PDF

1394 Digital AC Multi-Axis Motion Control System Module

Selected source: Rockwell Automation 1394C Power Connector Key Kit Installation Instructions

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APTER TECHNICAL SUMMARY

Exact-system documentation

- Rockwell lists 1394C-SJT10-T-RL among the Series C 1394 system modules supported by the keyed power-connector kit.
- The 1394C-SJT10 power section uses the manufacturer-specified 600 V AC, 30 A input-protection class.
- Verify motor, axis-module, shunt and feedback connections against the installed 1394 system before energizing.

MANUFACTURER SOURCE

https://literature.rockwellautomation.com/idc/groups/literature/documents/in/1394-in023_-en-p.pdf

This summary separates Apter editorial text from the reproduced manufacturer pages that follow.

Rockwell Automation 1394C Power Connector Key Kit Installation Instructions



Installation Instructions

Installing Your 1394C Power Connector Key Kit

Catalog Number 1394C-CONN-KEY

Introduction

This publication provides installation instructions for the 1394C power connector key kit (catalog number 1394C-CONN-KEY). Use this document in conjunction with the *1394 Digital AC Multi-Axis Motion Control System User Manual* (publication 1394-5.0).

Systems this Kit Applies to

This kit applies to the following 1394C system modules:

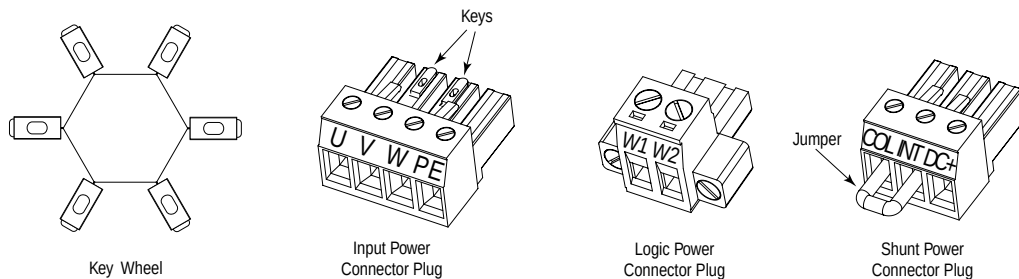
- 1394C-SJT05-A
- 1394C-SJT05-C, -C-RL
- 1394C-SJT05-T, -T-RL
- 1394C-SJT05-L, -L-RL
- 1394C-SJT10-A
- 1394C-SJT10-C, -C-RL
- 1394C-SJT10-T, -T-RL
- 1394C-SJT10-L, -L-RL

What this Kit Contains

This kit contains:

- One key wheel (with six keys).
- One input power connector plug (keyed, with terminals labeled U, V, W, and PE).
- One logic power connector plug (with terminals labeled W1 and W2).
- One shunt power connector plug (with jumper and terminals labeled COL, INT, and DC+).

Figure 1
Kit Contents



Publication 1394-IN023A-EN-P — July 2000

Rockwell Automation 1394C Power Connector Key Kit Installation Instructions

2 Installing Your 1394C Power Connector Key Kit

Installing the Key Kit

Installation of your 1394C power connector key kit involves the replacement of the system module power connector plugs and the insertion of keys into specified system module terminals.

The replacement plugs are keyed and labeled to prevent an improper power connection. Follow the procedure starting below to install your 1394C power connector key kit.



ATTENTION: The 1394 system module contains ESD (Electrostatic Discharge) sensitive parts and assemblies. Static control precautions are required when installing, testing, servicing, or repairing this device. Component damage can result if ESD control procedures are not followed. If you are not familiar with static control procedures, refer to *Guarding Against Electrostatic Damage* (publication 8000-4.5.2), or any other applicable ESD Protection Handbook.

Removing the Power Connector Plugs

To remove the three power connector plugs:

1. Remove all 24V control power, contactor enable power, and 360/480V AC input power from the system.



ATTENTION: This product contains stored energy devices. To avoid hazard of electrical shock, wait five minutes or verify that all voltage on the system bus network has been discharged before attempting to service or repair this unit. Only qualified personnel familiar with solid state control equipment and safety procedures in publication NFPA 70E or applicable local codes should attempt this procedure.

Rockwell Automation 1394 Digital AC Multi-Axis Motion Control System User Manual

Specifications

A-5

User-Supplied Contactor (M1)

The table below shows the requirements for the contactor that you must supply.

The contactor:		For the 1394-SJT05 and -SJT10 (Series A and B) is:	For the 1394C-SJT05 and -SJT10 (Series C) is:	For the 1394x-SJT22 is:
Rating		600V AC, 43A ¹	600V AC, 23A	600V AC, 37A
Recommended types:	AC Coil Operation	Allen-Bradley 100-C43x10 ^{2,3}	Allen-Bradley 100-C23x10 ^{2,3}	Allen-Bradley 100-C37x10 ^{2,3}
	DC Coil Operation	Allen-Bradley 100-C43Zx10 ²	Allen-Bradley 100-C23Zx10 ²	Allen-Bradley 100-C37Zx10 ²

¹ Consider using a 60A contactor when the total capacitance of the axis modules is greater than 880 μ F.

² x indicates coil voltage.

³ A surge suppressor is required.

User-Supplied Line Input Fusing

The table below shows the requirements for the input fusing that you must supply.

The Recommended type of fuse for:		Is:	Rating
1394-SJT05 systems	Series A and B	Bussmann FRS-R-20A or equivalent	600V AC, 20A
1394C-SJT05 systems	Series C	Bussmann KTK-R-20 or equivalent	600V AC, 20A
		Bussmann LPJ-SP 20 or equivalent	600V AC, 20A
1394-SJT10 systems	Series A and B	Bussmann FRS-R-30A or equivalent	600V AC, 30A
1394C-SJT10 systems	Series C	Bussmann KTK-R-30 or equivalent	600V AC, 30A
		Bussmann LPJ-SP 30 or equivalent	600V AC, 30A
1394x-SJT22 systems		Bussmann FRS-R-35 or equivalent	600V AC, 35A
		Bussmann LPS-RK-SP 40 or equivalent	600V AC, 40A
		Bussmann LPJ-SP 45 or equivalent	600V AC, 45A

User-Supplied 24V Logic Input Power

The table below shows the requirements for the 24V logic input power that you must supply.

24V logic input voltage	Frequency	Current ¹		Recommended Fuse
		If you have:	The current draw for user-supplied power supply must not exceed:	
19-28V AC RMS, single phase or 18.75-31.25V DC	50/60 Hz	1 axis	3.5A	Bussmann MDA-15 or equivalent
		2 axis	4.4A	
		3 axis	5.2A	
		4 axis	6.0A	

¹ The power supply should be rated for 15A or greater inrush current upon power up.



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