

1394C-SJT10-D

1394 SERCOS interface 10 kW system module

CONTROLLED ENGINEERING COPY

Observe the five-minute high-voltage discharge warning, verify grounding and wireways, and use the published connector torque and interconnect diagrams.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	1394C-SJT10-D
Manufacturer part	1394C-SJT10-D
Hardware type	1394C-SJT10-D
System family	Allen-Bradley 1394 SERCOS interface drive system



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 1394C-SJT10-D marking and its assigned Allen-Bradley 1394 SERCOS interface drive system position before work.
- 2

Place the connected sercos multi-axis machine control process in the approved maintenance state.
- 3

Isolate applicable power and three-phase power, logic power, shared dc bus and sercos motion control field energy before disconnection.
- 4

Record every connector, conductor, address, firmware and software identity before removal.
- 5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

MATCHED HARDWARE

- 1394 axis modules
- SERCOS controller interface and fiber-optic ring
- approved input line filter and protection
- bonded cabinet grounding and shunt circuit

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	1394C-SJT10-D / 1394C-SJT10-D recorded
Physical interface	1394 axis modules
Companion check	SERCOS controller interface and fiber-optic ring
Functional proof	Provides the 10 kW 1394 system-module function
Application test	SERCOS multi-axis machine control

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Complete catalog number	1394C-SJT10-D
Rated AC input	324 to 528 V AC, three phase, 50/60 Hz
Continuous AC input current	13.0 A rms
Peak inrush current	8 A
System-module rating	10 kW
Logic power	24 V AC rms or 24 V DC, non-polarized
Input-power connection	Connector plugs and mating housings
Axis communication	SERCOS fiber-optic ring
Shunt support	Internal shunt with optional external passive shunt
Recommended external shunt	1394-SR10A where engineered
Contactor-cycle limit	Four cycles per minute
System fuse reference	600 V AC, 50 A circuit-breaker reference in publication

FIELD NOTE

Observe the five-minute high-voltage discharge warning, verify grounding and wireways, and use the published connector torque and interconnect diagrams.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	1394C-SJT10-D / 1394C-SJT10-D recorded
Physical interface	1394 axis modules
Companion check	SERCOS controller interface and fiber-optic ring
Functional proof	Provides the 10 kW 1394 system-module function
Application test	SERCOS multi-axis machine control

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed 1394 axis modules and SERCOS controller interface and fiber-optic ring against the approved project.
- ☐
- Restore power in a controlled sequence and review device, network and host diagnostics.
- ☐
- Prove the intended coordinated servo drive power function and retain the final test result.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	1394C-SJT10-D
INSTALLED POSITION	Documented Allen-Bradley 1394 SERCOS interface drive system position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Siemens A5E00297628	Related industrial automation product	View Siemens A5E00297628 page
Siemens A5E03915589	Related industrial automation product	View Siemens A5E03915589 page
Siemens A5E36228241	Related industrial automation product	View Siemens A5E36228241 page
Siemens A5E00282044	Related industrial automation product	View Siemens A5E00282044 page
Bently Nevada 330901 00 90 10 02 05 953416	Related industrial automation product	View Bently Nevada 330901 00 90 10 02 05 953416 page
Bently Nevada 330330 080 01 00	Related industrial automation product	View Bently Nevada 330330 080 01 00 page
Bently Nevada 330330 070 00 00	Related industrial automation product	View Bently Nevada 330330 070 00 00 page
Bently Nevada 330854 080 05	Related industrial automation product	View Bently Nevada 330854 080 05 page

SOURCE IDENTIFIERS

Rockwell Automation 1394 SERCOS Interface Installation Manual
1394-IN002B-EN-P, February 2004

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