

1394 Drive Conversions

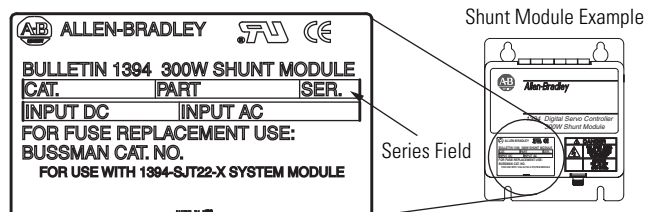
Catalog Numbers

1394-SJT05-A, 1394-SJT10-A, 1394-SJT22-A,
 1394-SJT05-C, 1394-SJT10-C, 1394-SJT22-C,
 1394-SJT05-T, 1394-SJT10-T, 1394-SJT22-T,
 1394C-SJT05-A, 1394C-SJT10-A, 1394C-SJT22-A,
 1394C-SJT05-C, 1394C-SJT10-C, 1394C-SJT22-C,
 1394C-SJT05-T, 1394C-SJT10-T, 1394C-SJT22-T,
 1394C-SJT05-D, 1394C-SJT10-D, 1394C-SJT22-D,
 1394C-SJT05-L, 1394C-SJT10-L

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To determine the series designator, check the series field on the Allen-Bradley label attached to your system, axis, and shunt modules. The series designator is located as shown in the example below.

Allen-Bradley Label

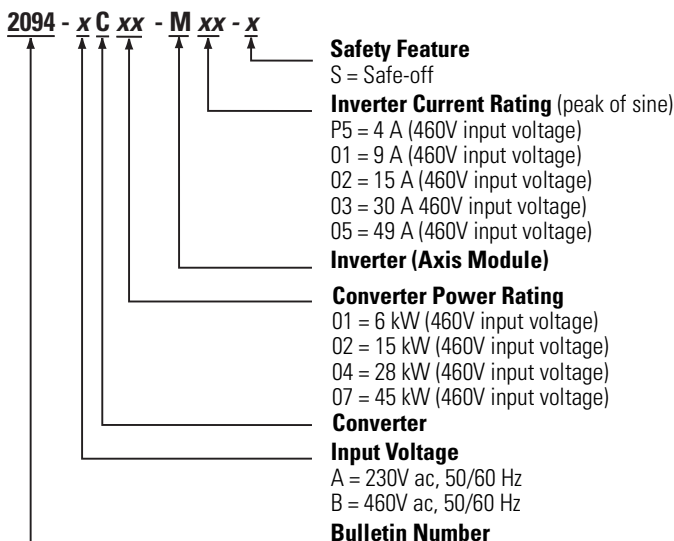


Series Catalog Numbers for 1394 Drive Modules

1394 Modules	Module Functionality	Series D	Series C	Series A and B
System modules	Analog	N/A	1394C-SJT _{xx} -A	1394-SJT _{xx} -A
	GMC		1394C-SJT _{xx} -C	1394-SJT _{xx} -C
	GMC Turbo		1394C-SJT _{xx} -T	1394-SJT _{xx} -T
	GMC (1.5 axis)		1394C-SJT _{xx} -L	N/A
	SERCOS interface	1394C-SJT _{xx} -D	1394C-SJT _{xx} -D	N/A
Axis modules	Inverter (no heatsink)	N/A	1394C-AM03, 1394C-AM04 and 1394C-AM07	1394-AM03, 1394-AM04 and 1394-AM07
	Inverter (external heatsink)		1394C-AM50 and 1394C-AM75	1394-AM50 and 1394-AM75
	Inverter (internal heatsink)		1394C-AM50-IH and 1394C-AM75-IH	N/A

Catalog Numbers for Kinetix 6000 Drives

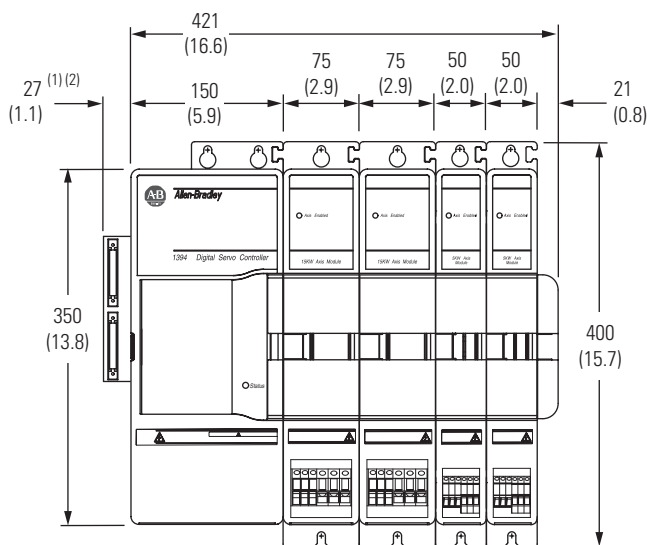
Kinetix 6000 IAM Module Catalog Numbers



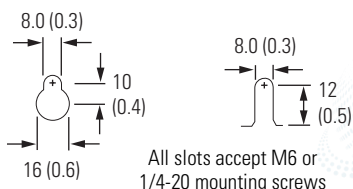
Mounting Dimension Differences

These drawings illustrate the mounting differences between the 1394 drive systems and the Kinetix 6000 drive systems with Bulletin 2094 power rails.

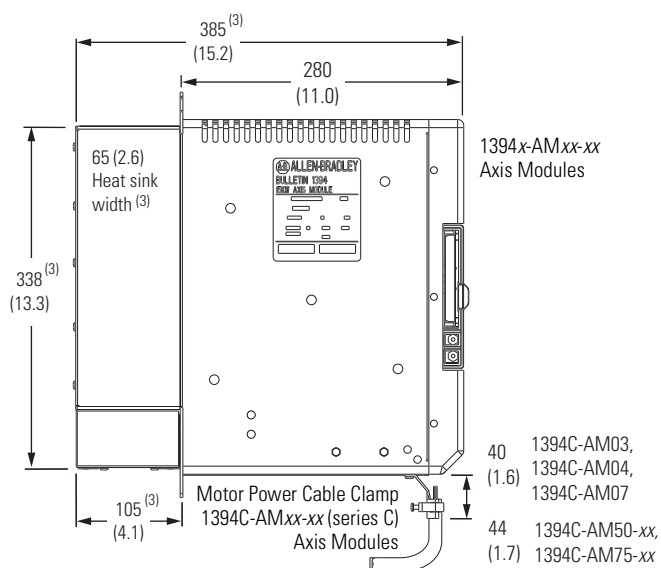
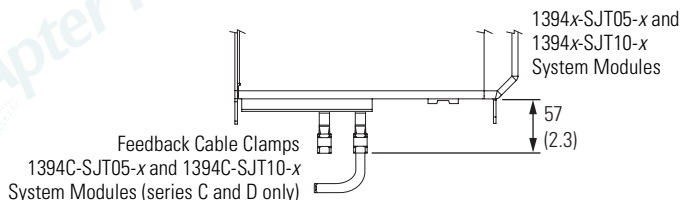
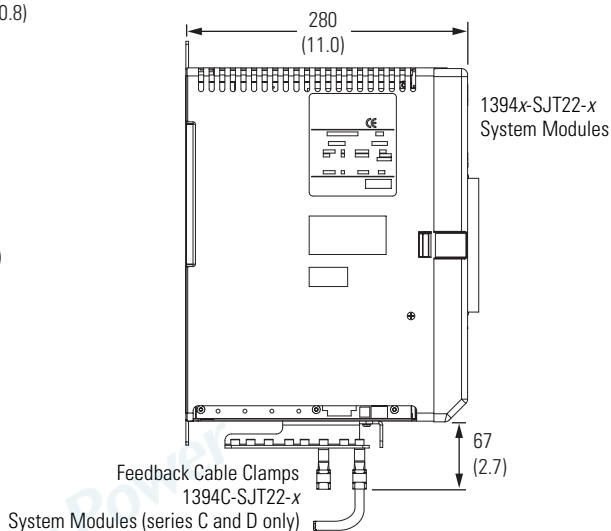
1394 Multi-axis System Dimensions



Mounting Hole Detail



Dimensions are in mm and (in.)



- (1) This dimension only applies to GMC Turbo (catalog number 1394x-SJTxx-T) system modules.
- (2) 1394x-SJTxx-T system modules, require an additional 101.6 mm (4.0 in.) of clearance to the left of the system module to allow for connecting the SLC interface cable (catalog number 1747-C7 or 1747-C9).
- (3) These dimensions only apply to 1394x-AM50 and 1394x-AM75 axis modules.

1394 Drive/Motor System Combinations

This section provides drive/motor system combination data for your existing 1394 drive/motor combination.

These combinations are with 1394C-SJTxx-D (SERCOS) drives and MPL-BxxxxM/S motors.

IMPORTANT

To achieve the performance specifications in the table below, your 1394C-SJTxx-D system module must have firmware revision 1.058 or later.

1394 SERCOS Drives/Bulletin MPL (460V) Motors Performance Specifications

Motor Cat. No.	Max Speed rpm	System Continuous Stall Current A 0-pk	System Continuous Stall Torque Nm (lb-in)	System Peak Stall Current A 0-pk	System Peak Stall Torque Nm (lb-in)	Motor Rated Output kW	1394 Axis Module Cat. No.
MPL-B310P	5000	2.40	1.58 (14)	7.1	3.60 (32)	0.72	1394C-AM03
MPL-B320P	5000	4.24	2.77 (24)	8.5	5.0 (44)	1.3	1394C-AM03
		4.50	2.94 (26)	12.7	7.10 (63)		1394C-AM04
				13	7.30 (65)		1394C-AM07
MPL-B330P	5000	4.24	2.91 (26)	8.5	5.62 (50)	1.7	1394C-AM03
		6.10	4.18 (37)	12.7	8.40 (74)		1394C-AM04
				17	11.1 (98)		1394C-AM07
MPL-B420P	5000	4.24	3.14 (28)	8.5	5.62 (50)	1.9	1394C-AM03
		6.40	4.74 (42)	12.7	8.39 (74)		1394C-AM04
				21.2	12.7 (112)		1394C-AM07
				23	13.5 (119)		1394C-AM50
MPL-B430P	5000	4.24	3.02 (27)	8.5	5.90 (52)	2.4	1394C-AM03
		6.40	4.56 (40)	12.7	8.70 (77)		1394C-AM04
		9.20	6.55 (58)	21.2	14.0 (124)		1394C-AM07
				31	19.8 (175)		1394C-AM50
MPL-B4520P	5000	4.24	3.04 (27)	8.50	4.78 (42)	2.5	1394C-AM03
		6.40	4.59 (41)	12.70	7.14 (63)		1394C-AM04
		8.50	6.10 (54)	21.00	11.8 (104)		1394C-AM07
				24.00	13.5 (119)		1394C-AM50
MPL-B4530F	3000	4.24	4.90 (44)	8.5	9.20 (81)	2.2	1394C-AM03
		6.40	7.40 (65)	12.7	13.3 (118)		1394C-AM04
		7.10	8.36 (74)	21.0	20.3 (180)		1394C-AM07
MPL-B4530K	4000	4.24	3.22 (28)	8.5	6.20 (55)	2.6	1394C-AM03
		6.40	4.80 (42)	12.7	9.10 (80)		1394C-AM04
		10.60	8.06 (71)	21.2	14.6 (129)		1394C-AM07
		11.00	8.36 (74)	31.0	20.3 (180)		1394C-AM50