KINETIX 6000 SHUNT MODULE

Product Data Sheet

2094-BSP2

Power rail shunt module

SUPPORTED DRIVE FAMILIES	DRIVE VOLTAGE CLASSES	CONTINUOUS SHUNT POWER	INTERNAL RESISTANCE
Kinetix 6000, 6200 and 6500	**230 V AC and 460 V AC**	**200 W**	**28.75 ohm**

Allen-Bradley 2094-BSP2 is a Bulletin 2094 power-rail shunt module that adds 200 W of continuous shunting capacity when the internal capacity of a Kinetix integrated-axis or axis module is exceeded. It supports 230 V and 460 V Kinetix 6000 arrangements and is also documented for Kinetix 6200 and Kinetix 6500 drive families.

01 TECHNICAL DATA

Supported drive families	Kinetix 6000, 6200 and 6500
Drive voltage classes	230 V AC and 460 V AC
Continuous shunt power	200 W
Internal resistance	28.75 ohm
Peak power at 230 V	5.7 kW
Peak power at 460 V	22.5 kW
Peak current at 230 V	14 A
Peak current at 460 V	28 A
Capacitance	470 microfarad
Short-circuit rating	200,000 A rms symmetrical

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02 ADDITIONAL PRODUCT DATA

External shunt connector	Three-position RC connector
Thermal switch connector	Two-position TS connector
External shunt wire size	10 mm2 (8 AWG)
External shunt terminal torque	1.2...1.5 N m
Mounting screw torque	2.26 N m

03 PRODUCT FUNCTION

The module uses a 28.75 ohm internal resistance, provides 5.7 kW peak power at 230 V and 22.5 kW at 460 V, and includes separate connectors for an external shunt resistor and thermal switch. It mounts to the Bulletin 2094 power rail to the right of the last axis module and only one 2094-BSP2 is permitted on a power rail.

04 SYSTEM COMPATIBILITY

Use the default RC and TS jumpers when the 200 W internal resistor is active. When a documented Bulletin 1394 external shunt is connected, remove the applicable jumpers and wire the RC and thermal-switch terminals exactly as shown in the installation instructions.

05 REFERENCE

Rockwell Automation 2094-IN004E-EN-P, Kinetix 6000 Shunt Module Installation Instructions

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