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Kinetix 6500 fault codes

Kinetix 6500 fault codes s55. Allen-bradley kinetix 6000 fault codes. Kinetix 6000 fault codes e06. Kinetix 6500 fault codes m24. Kinetix 6500 fault codes s45. Kinetix 6000 fault codes e07. Allen bradley kinetix 6500 fault codes. Kinetix 6500 fault codes s54. Kinetix 6500 safe-off fault codes.

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Visit the Technical Documentation Center to find product specifications, installation guides, user manuals, product certifications and more. For information on troubleshooting SAFE FLT fault codes, refer to the Kinetix 6200 and Kinetix 6500 Safe Speed Monitoring Safety Reference Manual, publication 2094-RM001 . Table 80 - Fault Code Summary

Fault Code Type Description FLT Sxx Standard runtime anomalies. FLT Mxx INIT FLT Sxx Anomalies that prevent normal operation and occur during the initialization process.

Category	Code	Source	Condition	Action	End State
General	4100000	Control	Control Logic Fault	Immediate Stop (I)	Shutdown
Motor	4100001	Motor	Motor Controller Fault	Immediate Stop (I)	Shutdown
Motor Feedback	4100002	Motor	Motor Feedback Fault	No Action	No Action
Supply	4100003	Motor	Motor Supply Fault	Controlled Stop (S)	No Action
Motor Temperature	4100004	Motor	Motor Temperature Fault	Controlled Stop (S)	No Action
Position	4100005	Motor	Motor Position Fault	Controlled Stop (S)	Shutdown
Velocity	4100006	Motor	Motor Velocity Fault	No Action	No Action
Acceleration	4100007	Motor	Motor Acceleration Fault	Controlled Stop (S)	Shutdown
Encoder	4100008	Motor	Encoder Fault	No Action	No Action
Encoder	4100009	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100010	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100011	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100012	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100013	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100014	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100015	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100016	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100017	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100018	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100019	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100020	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100021	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100022	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100023	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100024	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100025	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100026	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100027	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100028	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100029	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100030	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100031	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100032	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100033	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100034	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100035	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100036	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100037	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100038	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100039	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100040	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100041	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100042	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100043	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100044	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100045	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100046	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100047	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100048	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100049	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100050	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100051	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100052	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100053	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100054	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100055	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100056	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100057	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100058	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100059	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100060	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100061	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100062	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100063	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100064	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100065	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100066	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100067	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100068	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100069	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100070	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100071	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100072	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100073	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100074	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100075	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100076	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100077	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100078	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100079	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100080	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100081	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100082	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100083	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100084	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100085	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100086	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100087	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100088	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100089	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100090	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100091	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100092	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100093	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100094	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100095	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100096	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100097	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100098	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100099	Motor	Encoder Fault	Controlled Stop (S)	Shutdown
Encoder	4100100	Motor	Encoder Fault	Controlled Stop (S)	Shutdown

INIT FLT Mxx NODE FLTxx Anomalies that prevent normal operation of all drives on the power rail. NODE ALARM xx Anomalies that prevent normal operation of all drives on the power rail, but do not result in any action other than reporting the alarm to the controller. ALARM SxxALARM Mxx Warnings of conditions that may affect normal operation, but do not result in any action other than reporting the alarm to the controller.

TIP Fault codes triggered by conditions that fall outside factory set limits are identified by FL at the end of the display message. For example, FLT S03...MTR OVERSPEED FL. Fault codes triggered by conditions that fall outside user set limits are identified by UL at the end of the display message. For example, FLT S04...MTR OVERSPEED UL. Table 81 - FLT Sxx Fault Codes Four-character Display Message RSLogix 5000 Fault Message Problem or Symptom Potential Cause Possible Resolution FLT S02...MTR COMMUTATION Illegal Hall State State of Hall feedback inputs is incorrect.

Improper connections. • Check Hall wiring at motor feedback (MF) connector.

Remove Kinetix 6200 and Kinetix 6500 Drive Modules

Follow these steps to remove control modules, power modules, I/O modules, and other modules from the Kinetix 6500 drive.

- Verify that all control and power power has been removed from the system.
 - WARNING:** Do not touch any control or power wires until power has been removed from the system. Touching any control or power wires from the drive can result in injury or death.
- Wait for minutes for the DC bus to discharge completely before proceeding.
 - WARNING:** Do not touch any control or power wires until power has been removed from the system. Touching any control or power wires from the drive can result in injury or death. Do not touch any control or power wires until power has been removed from the system.
- Label and remove all connections from the I/O modules on an incoming.
 - To identify each connection, refer to page 10.
- Remove the motor cable from the cable shield clamp as shown in figure 10.

• Check 5V power supply to the encoder. FLT S03...MTR OVERSPEED FL Motor Overspeed Motor speed has exceeded 125% of maximum rated speed. • Check cables for noise. • Check tuning. FLT S04...MTR OVERSPEED UL(Kinetix 6500 drives only) Motor Overspeed Motor speed has exceeded user velocity limits. FLT S05...MTR OVERTEMP FL nn Motor Overtemperature The motor thermostat, motor thermistor, or encoder temperature sensor indicates that the motor factory temperature limit has been exceeded. The nn sub-code is defined as follows: High motor ambient temperature and/or Excessive Current. • Operate within (not above) the continuous torque rating for the ambient temperature. • Lower ambient temperature or increase motor cooling. 01: Motor Thermostat or Thermistor. Motor wiring error. Check motor wiring at motor feedback (MF) connector. 02: Encoder Temperature Sensor. Incorrect motor selection. Verify the proper motor has been selected. This manual is related to the following products: System Design for the Control of Electrical Noise Kinetix Rotary and Linear Motion Cable Specifications Low-profile Connector Kits Installation Low-profile Connector Kit for I/O, Safety, and Auxiliary Feedback Installation Low-profile Connector Kit for Cascading Safe Torque-off Signals Installation Integrated Motion on the EtherNet/IP Network Reference Manual