

Fault Diagnostics		E2-54 Drive Not Referenced	D3-00 Command adjust commutation
F2-07 Camshaft Invalid		E2-55 Feedrate Override S-0-0108 =0	D3-01 Drive not ready for commutation command
F2-05 Switching to uninitialized Operation Mode		E2-56 Torque Limit Value =0	D3-02 Torque/force too small to move
F2-08 Motor type has changed		E2-57 Continuous Current Limiting Active	D3-03 Drive in control at start of command
F2-09 PL load default values		E2-58 Selected Block Not Programmed	D3-04 Error in offset command
F2-18 Amplifier Over Temperature Shutdown		E2-59 Command Velocity Limitation Active (S-91)	D3-05 Drive enable refused
F2-19 Motor Over Temp. Shutdown (S-204, S-383)		E2-60 Command current limit active	D3-06 Power is off
F2-20 Bleeder Over Temp. Shutdown (S-204, S-383)		E2-61 Continuous Current Limiting Prewarn. (P-127)	D3-07 Drive does not move
F2-21 Error motor temp surveillance defective		E2-63 Velocity Command Value is > Bipolar Limit (S-91)	D3-08 No adjustments with asynchronous motor
F2-22 Drive heatsink temperature monitor defective		E2-64 Target Position Not Representable	D3-09 Proceed to phase 4
F2-23 Error during initialization of parking axis		E2-69 Brake Torque too low	D3-10 Input master password
F2-24 Maximum braking time exceeded (P-126, P-1203,1201,1211,1213)		E2-81 Mains fault	D3-11 Commutation offset couldnot be determined
F2-26 Undervoltage Error (drive enabled without power)		E2-96 Number of EcoX slaves incorrect	D3-12 Motion range exceeded during commutation
F2-28 Excessive Deviation (S-159)		E3-86 No ready signal from supply module	D4-00 Positive stop drive procedure command
F2-29 Motor Encoder Failure:Quadrant Error		E3-87 Control voltage supply fault power supply unit	D4-01 ZKL1-Error at command start
F2-30 Max. signal frequency of encoder 1 exceeded		E4-01 Error in parameter channel	D5-00 Command 'get mark position'
F2-33 External Power Supply Error (+24V)		E4-02 Error in cyclic channel	D5-01 Incremental encoder required
F2-34 Emergency Stop		E4-05 No data exchange possible via fieldbus	D6-00 Cancel reference point procedure command
F2-36 Excessive Position Feedback Difference		E4-08 Invalid addressing of MDT-data container A (S-370)	D7-00 Parking axis command
F2-37 Excessive Position Command Difference		E4-09 Invalid addressing of AT-data container A (S-371)	D8-00 Command measuring wheel operation mode
F2-42 External Encoder Failure: Signals too small		E4-10 Slave not scanned, or address = 0	D8-01 Measuring wheel operation not possible
F2-45 External Encoder Failure: Quadrant Error		E8-25 Overvoltage Warning	D8-02 Operation mode cancelled
F2-46 Max Signal frequency of encoder 2 exceeded		E8-26 Undervoltage in power section	D9-00 Command automatic loop tuning
F2-48 Low Battery Voltage		E8-29 + Position Limit Value Exceeded	D9-01 Start requires drive enable
F2-49 Lead Drive Encoder Failure:Signal too small		E8-30 - Position Limit Value Exceeded	D9-02 Motor feedback data not valid
F2-50 Overflow of target preset memory		E8-31 Position limit reached during jog	D9-03 Inertia detection failed
F2-52 Lead Drive Encoder Failure:Quadrant Error		E8-34 Emergency Stop	D9-04 Gain adjustment failed
F2-53 Encoder Emulator Frequency too high		E842 Both limit switch detected	D9-05 Travel range invalid, P-0-0166 & P-0-0167
F2-54 Encoder Emulator Error:Hardware Fault		E8-43 +Travel Limit Switch Active	D9-06 Travel range exceeded
F2-55 Ext. power supply DAE02 error		E8-44 -Travel Limit or Limit switch Active	Drive Mode Diagnostics
F2-60 Command current limit shutoff		E8-81 Mains fault	A0-00 Communication Phase 0
F2-62 Status Outputs Short Circuited		E8-86 No ready signal from supply module	A0-01 Communication Phase 1
F2-67 Erroneous Internal Hardware Synchronization			A0-02 Communication Phase 2
F2-68 Brake Error		Procedure Command Diagnostics	A0-03 Communication Phase 3
F2-69 Error during release of motor holding brake		C1-00 Communication Phase 3 Transition Check	A0-10 Halt Drive
F2-70 Error power supply home switch		C1-01 Invalid Communication Parameter S-0-0021	A0-11 Interlock Open
F2-71 Error power supply limit switch		C1-02 Limit Error Communication Parameter S-0-0021	A0-12 Control & Power Sections Ready for Power
F2-72 Error power supply probe switch		C1-04 Configuration IDN for MDT not configurable	A0-13 Ready for Power ON
F2-73 Error power supply E-Stop switch		C1-05 Configured Length>Max. Length for MDT	A1-00 Drive in Torque Mode
F2-76 Absolute Encoder Error, Deviation >P-0-0097		C1-06 Config. IDN for AT not configurable	A1-01 Drive in Velocity Mode
F2-77 Current measurement trim wrong (P-4000-1)		C1-07 Configured Length > Max. Length for AT	A1-02 Position Mode Encoder 1
F2-80 Earth Connection		C1-08 Time Slot Parameter > Sercos Cycle Time	A1-03 Position Mode Encoder 2
F2-81 Mains Fault		C1-09 Position of Data Record in MDT(S-0-0009)Even	A1-04 Position Mode Encoder 1/Lagless
F2-82 Phase Fault		C1-10 Length of MDT (S-0-0010) odd	A1-05 Position Mode Encoder 2/Lagless
F2-83 Line Overvoltage		C1-11 ID9 + Record Length -1>Length MDT(S-0-0010)	A1-06 Drive Controlled Interpolation/Encoder 1
F2-84 Main Contactor NC- Low Voltage		C1-12 TNCyc (S-0-0001) or TSyc (S-0-0002) Error	A1-07 Drive Controlled Interpolation/Encoder 2
F3-86 No ready signal from supply module		C1-13 Rel. TNCyc(S-0-0001) to TCyc(S-0-0002)Error	A1-08 Drive Controlled Interpolation/Encoder 1/Lagless
F4-01 Double MST Error Shutdown		C1-14 T4>TCyc(S-0-0002)-T4min(S-0-0005)	A1-09 Drive Controlled Interpolation/Encoder 2/Lagless
F4-02 Double MDT Error Shutdown		C1-15 T2 too small	A1-10 Velocity Sync., Virtual Lead Drive
F4-03 Invalid Communication Phase Shutdown		C1 16 DAE not plugged in	A1-11 Velocity Sync., Real Lead Drive
F4-04 Error during Phase Progression		C1-18 Order of MDT configuration wrong	A1-12 Phase Sync., Encoder 1, Virtual Lead Drive
F4-05 Error during Phase Regression		C2-00 Communication Phase 4 Transition Check	A1-13 Phase Sync., Encoder 2, Virtual Lead Drive
F4-06 Phase Switch without Ready Signal		C2-01 Invalid Parameter (-> S-0-0021)	A1-14 Phase Sync., Encoder 1, Real Lead Drive
F4-07 Error during initialization of master communication		C2-02 Limit Error Parameter (-> S-0-0021)	A1-15 Phase Sync., Encoder 2, Real Lead Drive
F4-08 Fatal error of interface card		C2-03 Parameter Calculation Error (->S-0-0021)	A1-16 Phase Sync., Encoder 1, Virt. Lead Drive/Lagless
F4-09 Bus Failure (DeviceNet P-4082=Tx / P-4087=Rx)		C2-04 Motor Type (P-0-4014) Incorrect (motor feedback)	A1-17 Phase Sync., Encoder 2, Virt. Lead Drive/Lagless
F4-10 Synchronization with fieldbus impossible		C2-10 External Feedback required (->S-0-0021)	A1-18 Phase Sync., Encoder 1, Real Lead Drive/Lagless
F4-34 Emergency-Stop		C2-11 Invalid Feedback Data (->S-0-0021)	A1-19 Phase Sync., Encoder 2, Real Lead Drive/Lagless
F6-29 + Travel switch or Travel Limit exceeded		C2-12 Invalid Amplifier Data (->S-0-0021)	A1-20 Pattern Control, Encoder 1, Virt. Lead Drive
F6-30 - Travel switch or Travel Limit exceeded		C2-13 Position Data Scaling Error	A1-21 Pattern Control, Encoder 2, Virt. Lead Drive
F6-34 Emergency Stop		C2-14 Velocity Data Scaling Error	A1-22 Pattern Control, Encoder 1, Real Lead Drive
F6-43 + Travel switch detected		C2-15 Acceleration Data Scaling Error	A1-23 Pattern Control, Encoder 2, Real Lead Drive
F6-44 - Travel switch or Travel Limit Switch detected		C2-16 Torque/Force Data Scaling Error	A1-24 Pattern Control, Encoder 1, Virt. Lead Drive/Lagless
F8-11 Communication offset could not be determined		C2-17 Motor Feedback Data Reading Error	A1-25 Pattern Control, Encoder 2, Virt. Lead Drive/Lagless
F8-12 Motion Range exceeded during commutation		C2-18 External Feedback Reading Error	A1-26 Pattern Control, Encoder 1, Real Lead Drive/Lagless
F8-18 Drive Overtemperature Shutdown		C2-19 Lead Drive Feedback Data Reading Error	A1-27 Pattern Control, Encoder 2, Real Lead Drive/Lagless
F8-19 Drive Overtemperature Warning		C2-20 Motor Feedback Initialization Error	A1-28 Cam Shaft Encoder 1,Virt Lead Drive
F8-20 Bleeder Overload		C2-21 Ext. feedback Initialization Error	A1-29 Cam Shaft Encoder 2,Virt Lead Drive
F8-22 Motor Encoder Failure:Signal to Small		C2-22 Lead Drive Feedback Initialization Error	A1-30 Cam Shaft Encoder 1,Real Lead Drive
F8-27 Safety Interlock, (AS), was set while enabled		C2-23 Input Value for max range too high	A1-31 Cam Shaft Encoder 2,Real Lead Drive
F8-50 Watchdog Coprocessor		C2-24 Absolute Encoder Deviation	A1-32 Cam Shaft Encoder 1,Virt Lead Drive/Lagless
F8-60 Overcurrent:Short in Powerstage		C2-25 Coprocessor not ready for Initialization	A1-33 Cam Shaft Encoder 2,Virt Lead Drive/Lagless
F8-61 Overcurrent:Short to Ground		C2-26 Coprocessor Acknowledgement Failed	A1-34 Cam Shaft Encoder 1,Real Lead Drive/Lagless
F8-69 +/- 15 Volt Error		C2-27 Modulo Range Error	A1-35 Cam Shaft Encoder 2,Real Lead Drive/Lagless
F8-70 +24 Volt Error		C2-28 Drive Type, (S-0-0140), not correct	A1-46 Relative drive control interpolation enc 1
F8-71 +10 Volt Error		C2-31 Emulator not loadable	A1-47 Relative drive control interpolation enc 2
F8-73 Power Supply Driver Stage Fault		C2-32 Motor encoder interface not present	A1-48 Relative drive control interpolation enc 1, lagless
F8-78 Velocity Loop Error		C2-33 External encoder interface not present	A1-49 Relative drive control interpolation enc 2, lagless
F8-79 Crossing Velocity Limit (S-0-0091) Value		C2-34 Encoder combination not possible	A2-06 Process block mode, encoder 1(P-4019)
F8-88 Bleeder Overload		C2-35 Load side motor encoder with inductance motor	A2-07 Process block mode lagless, encoder 1(P-4019)
F8-89 Regenerating Current		C2-36 Motor feedback required (P-74)	A2-08 JOG mode positive(P-4030)
F8-90 Regenerating Electronic Watchdog		C2-38 Wrong function of encoder 2	A2-10 Process block mode, encoder 2(P-4019)
F8-91 Power Supply Fault		C2-41 Binary encoder resolution necessary	A2-11 Process block mode lagless, encoder 2(P-4019)
F8-92 Wrong Code of Current Measuring Unit		C2-42 Multiple configuration of a parameter (->S-0-0022)	A2-18 JOG mode negative(P-4030)
F8-93 No Regenerating Current to Net		C3-00 Set Absolute Measuring	A8-00 Unknown operating mode
F8-94 Checksum Error		C3-02 Absolute Measuring Not Installed	General Diagnostics
F8-95 4KHz Signal Error		C4-00 Command Switch to parameter mode	bb Drive ready for power up
Warning Diagnostics		C4-01 Drive active, switching not allowed	Ab Drive is ready for enable (bus is up)
E2-01 No Mains		C4-02 Only allowed without master	AE Drive deceleration to standstill
E2-02 Not Ready for Power On		C5-00 Reset Class 1 Diagnostics (Error Reset)	AF Drive is enabled
E2-19 Warning Drive Overtemperature		C5-01 Error Detect only in Parameter Mode	AS Drive is in Safety Interlock mode. (Power stage is off)
E2-21 Warning Motor Temperature Control		C6-00 Drive Controlled Homing Procedure	AH Drive Halted, (Internally commanded to zero velocity)
E2-25 Overvoltage Error or motor error		C6-01 Homing not Possible if Drive is not Enabled	P0 Initialization Phase 0
E2-26 Undervoltage in Power Section		C6-02 Distance Homing Switch-Reference Mark Error (S-298-9)	P1 Initialization Phase 1
E2-31 No jogging direction selected		C6-04 Homing of Absolute Encoder not Possible	P2 Initialization Phase 2 (Parameter Mode)
E2-47 Interpolation velocity=0 (S-259,S-41,S-91)		C6-06 Reference mark not detected	P3 Initialization Phase 3
E2-48 Interpolation acceleration=0 (S-260,S-42,S-138)		C7-00 Basic Load	PL Load drive defaults
E2-49 Positioning Vel. (S-0-0259) > S-0-0091		C7-01 Basic Load not Possible if Drive is Enabled	UL New motor, drive will download defaults
E2-50 Drive Overtemperature Warning		C7-02 Default Parameters not Available	UE Error detecting new motor
E2-51 Motor Overtemperature Warning		C7-03 Default Parameters Invalid	Jf Jog Forward
E2-52 Bleeder Overtemperature Warning		C7-04 Parameters not Copyable	Jr Jog Reverse
E2-53 Target Position out of range		C7-05 Locked with password (S-267)	
		C8-00 Default parameter load	
		C8-01 Parameter default erroneous (-> S-21)	
		C8-02 Locked with password	