

Fault parameters

Code	Description
LfT	Parameter name: Altivar fault code
	Logic address: 7121 = 16#1BD1 Type: WORD (listing)
	CANopen index: 2029/16 Read/write: R
	INTERBUS index: 5FB3/C8 Unit: -
	DeviceNet path: 84/01/7A
<p>The fault remains saved in the "Altivar fault code" (LfT) parameter, even if it disappears. The "Altivar fault code" (LfT) parameter is reset after the drive is disconnected and then reconnected.</p>	
<p>0 : (nOF) No fault 1 : Reserved 2 : [Control EEPROM] (EEF1) Internal memory fault, control card. 3 : [Incorrect config.] (CFF) Option card changed or removed. Control card replaced by a control card configured on a drive with a different rating. The current configuration is inconsistent. 4 : [Invalid config.] (CFI) Invalid configuration. The configuration loaded in the drive via the bus or communication network is inconsistent. 5 : [Modbus com.] (SLF1) Interruption in communication on the Modbus bus 6 : [internal com. link] (ILF) Communication fault between option card and drive 7 : [Com. network] (CnF) Communication fault on communication card 8 : [External fit-LI/Bit] (EPF1) Fault triggered by an external device, depending on user 9 : [Overcurrent] (OCF) Parameters in the [SETTINGS] (SEt-) and [1.4 MOTOR CONTROL] (drC-) menus are not correct. Inertia or load too high. Mechanical locking. 10 : [Precharge] (CrF1) Pre-charge relay control fault or charging resistor damaged. 11 : [Speed fdbck loss] (SPF) Encoder feedback signal missing. 12 : [Load slipping] (AnF) The encoder speed feedback does not match the reference. 13 : [AI2 4-20 mA loss] (LFF2) Loss of the 4-20 mA reference on analog input AI2. 14 : [PTC1 probe] (PtF1) PTC1 probes open or short-circuited. 15 : [PTC1 overheat] (OtF1) Overheating of the PTC1 probes detected. 16 : [Drive overheat] (OHF) Drive temperature too high. 17 : [Motor overload] (OLF) Triggered by excessive motor current. 18 : [Overbraking] (ObF) Braking too sudden or driving load. 19 : [Mains overvoltage] (OSF) Line voltage too high. Disturbed line supply. 20 : [1 motor phase loss] (OPF1) Loss of one phase at drive output. 21 : [Input phase loss] (PHF) Drive incorrectly supplied or a fuse blown. Loss of one phase. 3-phase ATV71 used on a single-phase line supply. Unbalanced load. This protection only operates with the drive on load. 22 : [Undervoltage] (USF) Line supply too low. Transient voltage dip. Damaged precharge resistor. 23 : [Motor short-circuit] (SCF1) Short-circuit or grounding at the drive output. Significant earth leakage current at the drive output if several motors are connected in parallel. 24 : [Overspeed] (SOF) Instability or driving load too high. 25 : [Auto-tuning] (tnF) Special motor or motor whose power is not suitable for the drive. Motor not connected to the drive. 26 : [Rating error] (InF1) The power card is not the one stored. 27 : [Incompatible PB] (InF2) The power card is incompatible with the control card. 28 : [Internal serial link] (InF3) Communication fault between the internal cards. 29 : [Internal MFG area] (InF4) Internal data inconsistent. 30 : [Power EEPROM] (EEF2) Internal memory fault, power card. 31 : [Impedant sh. circuit] (SCF2) Impedant short-circuit. 32 : [Ground short circuit] (SCF3) Ground short-circuit. 33 : [3 output phase loss] (OPF2) Motor not connected or motor power too low. Output contactor open. Instantaneous instability in the motor current. 34 : [CANopen com.] (COF) Interruption in communication on the CANopen bus.</p>	

Fault parameters

Code	Description
((LFT), continued)	<p>35 : [Brake control] (bLF) Brake release current not reached. Brake engage frequency threshold [Brake engage freq] (bEn) only regulated when brake logic control is assigned.</p> <p>36 : Reserved.</p> <p>37 : [Internal-hard init.] (InF7) Initialization of the drive is incomplete.</p> <p>38 : [External fault com.] (EPF2) Fault triggered by a communication network.</p> <p>39 : [Application fault] (APF) "Controller Inside" card fault.</p> <p>40 : [Internal-ctrl supply] (InF8) The control supply is not correct.</p> <p>41 : [Brake feedback] (brF) The brake feedback contact does not match the brake logic control.</p> <p>42 : [PowerSuite com.] (SLF2) Fault communicating with PowerSuite.</p> <p>43 : [Encoder coupling] (ECF) Break in the mechanical coupling of the encoder.</p> <p>44 : [Torque/current lim] (SSF) Switch to torque limitation.</p> <p>45 : [HMI com.] (SLF3) Fault communicating with the graphic display terminal.</p> <p>46 : [Power removal] (PrF) Fault with the drive's "Power removal" safety function.</p> <p>47 : [PTC 2 probe] (PtF2) PTC2 probes open or short-circuited.</p> <p>48 : [PTC2 overheat] (OtF2) Overheating of the PTC2 probes detected.</p> <p>49 : [LI6=PTC probe] (PtFL) PTC probes on input LI6 open or short-circuited.</p> <p>50 : [LI6=PTC overheat] (OtFL) Overheating of PTC probes detected on input LI6.</p> <p>51 : [Internal- I measure] (InF9) The current measurements are not correct.</p> <p>52 : [Internal-mains circuit] (InFA) The input stage is not operating correctly.</p> <p>53 : [Internal-th. sensor] (InFb) The drive temperature sensor is not operating correctly.</p> <p>54 : [IGBT overheat] (tJF) Drive overheated.</p> <p>55 : [IGBT short circuit] (SCF4) Power component fault.</p> <p>56 : [Motor short circuit] (SCF5) Short-circuit at the drive output.</p> <p>57 : [Torque time-out] (SrF) Torque control function time-out.</p> <p>58 : [Out. contact. stuck] (FCF1) The output contactor remains closed although the opening conditions have been met.</p> <p>59 : [Out. contact. open.] (FCF2) The output contactor remains open although the closing conditions have been met.</p> <p>60 : [Internal-time meas.] (InFC) Fault on the electronic time measurement component.</p> <p>61 : [AI2 input] (AI2F) Non-conforming signal on analog input AI2.</p> <p>62 : [Encoder] (EnF) Encoder feedback fault.</p> <p>63 : [Thyr. soft charge] (CrF2) DC bus charging fault (thyristors).</p> <p>64 : [input contactor] (LCF) The drive is not turned on even though [Mains V. time out] (LCt) has elapsed.</p> <p>65 : [DB unit sh. circuit] (bUF) Short-circuit output from braking unit.</p> <p>66 : Reserved</p> <p>67 : [IGBT desaturation] (HdF) Short-circuit or grounding at the drive output.</p> <p>68 : [Internal-option] (InF6) The option installed in the drive is not recognized.</p> <p>69 : [internal- CPU] (InFE) Internal microprocessor fault.</p> <p>70 : [DBR overload] (bOF) The braking resistor is under excessive stress.</p> <p>71 : [AI3 4-20 mA loss] (LFF3) Loss of the 4-20 mA reference on analog input AI3.</p> <p>72 : [AI4 4-20 mA loss] (LFF4) Loss of the 4-20 mA reference on analog input AI4.</p> <p>73 : [Cards pairing] (HCF) The [CARDS PAIRING] (PPI-) function has been configured and a drive card has been changed.</p>