

PS16DN故障代码表 PS16DN Fault Code Table									
序号 No.	仪表显示故障码 Display Fault Code	故障代码16进制 Hexadecimal fault code	故障名称 Fault Name	Fault Name	可能原因 Possible Reason	Possible Reason	触发和解决方法 Trigger and Clear	Trigger and Clear	故障来源 Fault source
1	1-2	0x12	控制限过流 (Controller Overcurrent) 故障类型: 1 = U 相过流 2 = W 相过流 3 = V 相过流 4 = 控制限电流 > 135%额定值	Controller Overcurrent Fault Type: 1 = U-phase overcurrent 2 = W phase overcurrent 3 = V phase overcurrent 4 = Controller current > 135% current limit	1. 电机 U、V、W 相外部连接短路 2. 速度反馈信号受干扰 3. 电机参数设置错误 4. 控制器故障	1. External short of phase U, V, or W motor connections. 2. Speed encoder noise problems. 3. Motor parameters are mistuned. 4. Controller defective.	触发: 相电流超过电流上限 清除: 复位控制器	Trigger: Phase current overcurrent detection upper limit Clear: Resetting the controller	AC-F2-C 控制器
2	1-3	0x13	电流传感器故障 (Current Sensor) 故障类型: 1	Current Sensor Fault Fault Type: 1	1. U、V 或 W 相短路或断路 (定子内部短路) 2. 控制器故障	1. Leakage to vehicle frame from phase U, V, or W (short in motor stator). 2. Controller defective.	触发: 电流传感器有无效的偏移读数 清除: 复位控制器	Trigger: The current sensor has an invalid offset reading Clear: Resetting the controller	AC-F2-C 控制器
3	1-4	0x14	预充电故障 (Precharge Failed) 故障类型: 1, 中断 2. 能量限制 3. 时间限制	Precharge Failed Fault Type: 1. Interruption 2. Energy limitation 3. Time limit	1. 直接连接到 B+ 接线的负载抑制了控制器内部电容充电 2. 能量限制 3. 时间限制	1. An external load on the capacitor bank (B+ connection terminal) that prevents the capacitor bank from charging. 2. See Programmer > System Monitor menu > Controller > Capacitor Voltage.	触发: 控制限电容充电失败 清除: 断开互锁复位控制器	Trigger: Controller capacitor failed to charge Clear: Turn the controller on or off, interlock, or reset	AC-F2-C 控制器
4	1-5	0x15	控制限严重低温 (Controller Severe Undertemp) 故障类型: 1	Controller Severe Undertemp Fault Type(s): 1	1. 控制器工作在极端环境下 2. 能量限制	1. Controller is operating in an extreme environment. 2. See Programmer > System Monitor menu > Controller > Temperature.	触发: 散热器温度低于 -40°C 清除: 散热器温度高于 -40°C, 然后复位控制器	Trigger: Radiator temperature below -40°C Clear: Radiator temperature above -40°C, then reset controller	AC-F2-C 控制器
5	1-6	0x16	控制限严重高温 (Controller Severe Overtemp) 故障类型: 1	Controller Severe Overtemp Fault Type(s): 1	1. 控制器工作在极端环境下 2. 负载过重 3. 控制器安装不合理 4. 能量限制	1. Controller is operating in an extreme environment. 2. Excessive load on vehicle. 3. Improper mounting of controller. 4. See Programmer > System Monitor menu > Controller > Temperature.	触发: 散热器温度高于 +95°C 清除: 散热器温度低于 +95°C, 然后复位控制器	Trigger: Radiator temperature above +95°C Clear: Radiator temperature below +95°C, then reset controller	AC-F2-C 控制器
6	1-7	0x17	控制限 B+ 端严重电压 (Severe B+ Undervoltage) 故障类型: 1	Severe B+ Undervoltage Fault Type(s): 1	1. 非控制器系统消耗光电池 2. 电池内部短路 3. 驱动电机时 KSI 线路断开 4. 连接 B+ 的保险丝熔断或主接触器未闭合 5. 控制限电池参数设置错误 6. 能量限制	1. Non-controller system drain on battery. 2. Battery resistance too high on battery. 3. Battery disconnected while driving. 4. Blown B+ fuse or main contactor did not close. 5. Battery parameters are misadjusted. 6. See Programmer > Monitor menu > Controller > Capacitor Voltage.	触发: 主接触器吸合, FET 桥工作正常, 或者按电压关断电流输出超出范围 清除: 检查电压关断电流输出范围	Trigger: After the main contactor is engaged and the FET bridge is working: either the low-voltage shutdown current output exceeds 54ms, or the controller's low-voltage shutdown voltage value is reached Clear: The contactor current output > 5ms exceeds 100ms, or the capacitor voltage > low voltage shutdown voltage value	AC-F2-C 控制器
7	1-7	0x17	控制限 KSI 端严重电压 (Severe KSI Undervoltage) 故障类型: 1	Severe KSI Undervoltage Fault Type(s): 1	1. 非控制器系统消耗光电池 2. KSI 输入线路电阻过高 3. 驱动电机时 KSI 线路断开 4. 保险丝熔断 5. 能量限制	1. Non-controller system drain on battery/keyswhch circuit wiring. 2. Resistance in low power (KSI) circuit is too high. 3. KSI disconnected while driving. 4. Blown fuse. 5. See Programmer > System Monitor menu > Battery > Keyswhch Voltage.	触发: KSI 电压低于电压关断电流 2 秒 清除: KSI 电压 > 电压关断电流值	Trigger: The KSI voltage is below the low voltage shutdown value for 2 seconds Clear: KSI voltage > low voltage shutdown voltage value	AC-F2-C 控制器
8	1-8	0x18	控制限 B+ 端严重电压 (Severe B+ Overvoltage) 故障类型: 1	Severe B+ Overvoltage Fault Type(s): 1	1. 控制限电池参数设置错误 2. 再生制动, 有电流返回电池时, 电池内部短路 3. 再生制动时电池未连接 4. 能量限制	1. Battery parameters are misadjusted. 2. Battery resistance too high for given regen current. 3. Battery disconnected while regen braking. 4. See Programmer > System Monitor menu > Controller > Capacitor Voltage.	触发: FET 桥工作时, 电容电压高于严重电压设定值 清除: 电容电压高于严重电压设定值, 复位控制器	Trigger: When the FET bridge is operating, the capacitor voltage exceeds the critical high voltage setpoint Clear: Capacitor voltage is below the critical high voltage setpoint, reset the controller	AC-F2-C 控制器
9	1-8	0x18	控制限 KSI 端严重电压 (Severe KSI Overvoltage) 故障类型: 1	Severe KSI Overvoltage Fault Type(s): 1	1. 到控制限 KSI (pin1) 端的电池电压超过严重电压设定值 2. 能量限制	1. Battery-voltage applied to KSI (pin 1) exceeds the Severe Overvoltage limit. 2. See Programmer > Monitor menu > Battery > Keyswhch Voltage.	触发: KSI 电压高于严重电压设定值 清除: 电容电压高于严重电压设定值, 复位控制器	Trigger: The KSI voltage exceeds the critical high voltage setpoint Clear: Capacitor voltage is below the critical high voltage setpoint, reset the controller	AC-F2-C 控制器
10	1-9	0x19	速度限制监督故障 故障类型: 1	Speed Limit Supervision Fault Type(s): 1	1. 检测到电机转速超过 Max Speed Supervision 设置值 2. Max Speed Supervision 设置值过低 3. 能量限制	1. Motor speed detected exceeding the limit set by the Max Speed Supervision parameter. 2. Misadjusted Max Speed Supervision parameters. 3. See: Programmer > Application Setup/Max Speed Supervision menu.	触发: 电机转速超出设置值且持续时间超过设定值 清除: 复位控制器	Trigger: The motor speed exceeds the set value and the time also exceeds the set value Clear:resetting the controller	AC-F2-C 控制器
11	1-10	0x1A	旅行控制监督故障 故障类型: 1	Travel Control Supervision Fault Type(s): 1	1. 车辆停止状态下, 检测到控制限频率、相电流或旅行控制监督下的参数设置错误 2. Travel Control Supervision 下的参数设置错误 3. 能量限制	1. With the vehicle in the stopped state, the motor frequency and/or phase current detected exceeding the limit set by the Travel Control Supervision parameter. 2. Misadjusted Travel Control Supervision parameters. 3. See: Programmer > Application Setup > Travel Control Supervision menu.	触发: 在车辆状态下电机频率、相电流或旅行控制监督下的参数设置错误 清除: 复位控制器	Trigger: The motor frequency and phase current exceed the parameter set value under Travel Control Supervision when parked Clear:resetting the controller	AC-F2-C 控制器
12	2-2	0x22	控制限高温回温 (Controller Overtemp Cutback) 故障类型: 1	Controller Overtemp Cutback Fault Type(s): 1	1. 控制器工作在极端环境下 2. 负载过重 3. 控制器安装不合理 4. 温度下控制限性能受限 5. 能量限制	1. Controller is operating in an extreme environment. 2. Excessive load on vehicle. 3. Improper mounting of controller which is preventing controller cooling. 4. Controller is performance-limited at this temperature. 5. See Programmer > System Monitor menu > Controller > Temperature.	触发: 散热器温度高于 +85°C 清除: 散热器温度高于 +85°C, 然后复位控制器	Trigger: Radiator temperature below +85°C Clear: Radiator temperature above +85°C, then reset controller	AC-F2-C 控制器
13	2-3	0x23	电压回温 (Undervoltage Cutback) 故障类型: 1	Undervoltage Cutback Fault Type(s): 1	1. 电池需要充电, 该电压下控制限性能受限 2. 控制限电池参数设置错误 3. 非控制器系统消耗光电池 4. 电池内部短路 5. 驱动电机时电池未连接 6. 连接 B+ 的保险丝熔断或主接触器未闭合 7. 能量限制	1. Battery need recharging. Controller performance limited at this voltage. 2. Battery parameters are misadjusted. 3. Non-controller system-drain on battery. 4. Battery resistance too high. 5. Battery disconnected while driving. 6. Blown B+ fuse or main contactor did not close. 7. See Programmer > System Monitor menu > Controller > Currents > UndervoltageCutback 8. See Programmer > System Monitor menu > Controller > Capacitor Voltage.	触发: FET 桥工作时, 电容电压高于 UndervoltageCut back 限制值 清除: 电容电压高于 UndervoltageCut back 限制值	Trigger: After the FET bridge is operating, the capacitor voltage exceeds the UndervoltageCut back limit Clear: Capacitor voltage above the UndervoltageCut back limit	AC-F2-C 控制器
14	2-4	0x24	电压回温 (Overvoltage Cutback) 故障类型: 1	Overvoltage Cutback Fault Type(s): 1	1. 正常操作时, 再生制动产生的电流回流至电池, 从而产生电压, 产生回温, 该电压下控制限性能受限 2. 控制限电池参数设置错误 3. 再生制动, 有电流返回电池时, 电池内部短路 4. 再生制动时电池未连接 5. 再生制动时电池未连接 6. 能量限制	1. Normal operation. Fault shows that regen braking currents elevated the battery voltage during regen braking. Controller is performance limited at this voltage. 2. Battery parameters are misadjusted. 3. Battery resistance too high for given regen current. 4. Battery disconnected while regen braking. 5. See Programmer > System Monitor menu > Controller > Currents > OvervoltageCutback 6. See Programmer > System Monitor menu > Controller > Capacitor Voltage.	触发: FET 桥工作时, 电容电压高于 OvervoltageCut back 限制值 清除: 电容电压高于 OvervoltageCut back 限制值	Trigger: After the FET bridge is operating, the capacitor voltage exceeds the OvervoltageCut back limit Clear: Capacitor voltage above the OvervoltageCut back limit	AC-F2-C 控制器
15	2-5	0x25	5V 输出故障 (Ext 5V Supply Failure) 故障类型: 1, 输出的 5V 电压超出范围 2. 5V 电压的电流超出范围	Ext 5V Supply Failure Fault Type: 1. The output voltage of 5V is out of range Current overrange of 2.5V	1. 外部的 5V 电压太小 (pin16) 2. 能量限制	1. External load impedance on the +5V supply (pin 16) is too low. 2. See Programmer > System Monitor menu > Outputs>External_5V_Supply,Ext_5V_Current.	触发: 1. 5V 输出 > 5V 10%, 2. 5V 电压超出参数设置 清除: 复位控制器, 或 VCL 复位	Trigger: 1.5V output over 5V's 10%, 2.5V current is limited by parameter setting Clear: Reset controller, or VCL reset	AC-F2-C 控制器
16	2-6	0x26	12V 输出故障 (Ext 12V Supply Failure) 故障类型: 1, 输出的 12V 电压超出范围 2. 12 电压的电流超出范围	Ext 12V Supply Failure Fault Type: 1. The output voltage of 12V is out of range Current overrange of 2,12 voltage	1. 外部的 12V 电压太小 (pin23) 2. 能量限制	1. External load impedance on the +12V supply (pin 23) is too low. 2. See Programmer > System Monitor menu > Outputs>External_12V_Supply,Ext_12V_Current.	触发: 1. 12V 输出 > 12V 15%, 2. 12V 电压超出参数设置 清除: 复位控制器, 或 VCL 复位	Trigger: 1.12V output over 12V's 15%, 2.12V current is limited by parameter setting Clear: Reset the controller, or VCL reset	AC-F2-C 控制器
17	2-8	0x28	电机高温回温 故障类型: 1	Motor Temp Hot Cutback Fault Type(s): 1	1. 电机温度大于等于 Temperature Hot 设置值, 导致控制限性能受限 2. 电机温度及传感器参数设置错误 3. 能量限制	1. Motor temperature is at or above the programmed Temperature Hot setting: resulting in a reduction of controller drive current. 2. The motor temperature and sensor control parameters are misadjusted. 3. See Programmer > AC Motor Setup > Temperature Sensor	触发: 电机温度大于等于 Temperature Hot 设置值 清除: 降低温度至正常值	Trigger: Motor temperature greater than or equal to the Temperature Hot setting Clear: Lowers the temperature to normal	AC-F2-C 控制器
18	2-9	0x29	电机温度传感器 (Motor Temp Sensor) 故障类型: 1	Motor Temp Sensor Fault Type(s): 1	1. 电机温度传感器没接好 2. 传感器极性连接不正确 (pin9 和 pin12) 3. 电机温度和传感器参数设置错误 4. 能量限制	1. Motor thermistor is not connected properly. 2. sensor polarity (between Pin 9 and Pin 12) is incorrect. 3. The motor temperature and sensor parameters are misadjusted. 4. See Programmer > System Monitor menu > AC Motor > Temperature	触发: 电机温度传感器输入 (pin9) 转换的电压值超出范围 清除: 电机温度传感器输入电压回正正常范围	Trigger: The voltage value converted by the motor temperature sensor input (pin9) is out of range Clear: The input voltage of the motor temperature sensor returns to the normal range	AC-F2-C 控制器
19	3-1	0x31	主接触器驱动故障 (Main Driver) 故障类型: 1, 驱动短路 2. 驱动过流 3. 驱动过流 (检测到高, 应读低) 4. 驱动过流 (检测到低, 应读高) 5. 断线	Main Contactor Drive Failure Fault Type: 1. Drive short circuit 2. Drive overcurrent 3. Open/short circuit (high detected, should be low) 4. open/short circuit (low detected, should be high) 5. Broken wire	1. 驱动负载开路或短路 2. 驱动负载开路或短路 3. 驱动负载开路或短路 4. 驱动负载开路或短路 5. 驱动负载开路或短路	1. Open or short on driver load. 2. Dirty connector pins at controller or contactor coil. 3. Bad connector crimps or faulty wiring.	触发: Main Enable = On 时, 主接触器驱动开路或短路 清除: 检查主接触器	Trigger: Main Enable = On, the main contactor drives an open circuit or a short circuit Clear: Reset controller after repair	AC-F2-C 控制器
20	3-2	0x32	电磁制动驱动故障 (EM Brake Driver) 故障类型: 1, 驱动短路 2. 驱动过流 3. 驱动过流 (检测到高, 应读低) 4. 驱动过流 (检测到低, 应读高) 5. 断线	EM Brake Driver Fault Type: 1. Drive short circuit 2. Drive overcurrent 3. Open/short circuit (high detected, should be low) 4. open/short circuit (low detected, should be high) 5. Broken wire	1. 驱动负载开路或短路 2. 驱动负载开路或短路 3. 驱动负载开路或短路 4. 驱动负载开路或短路 5. 驱动负载开路或短路	1. Open or short on driver load. 2. Dirty connector pins at controller or contactor coil. 3. Bad connector crimps or faulty wiring.	触发: EM Brake Type > 0 时, 电磁制动 (pin 4) 驱动开路或短路 清除: 检查主接触器	Trigger: When EM Brake Type > 0, the electromagnetic brake (pin 4) drives an open circuit or a short circuit Clear: Reset controller after repair	AC-F2-C 控制器
21	3-4	0x34	负载保持驱动故障 (Load Hold Driver Fault) 故障类型: 1	Load Hold Driver Fault	等效 Driver 1 Fault	Equivalent to Driver 1 Fault	等效 Driver 1 Fault	Equivalent to Driver 1 Fault	AC-F2-C 控制器
22	3-5	0x35	下闸驱动故障 (Lower Fault) 故障类型: 1	Lower Fault	等效 Driver 1 Fault	Equivalent to Driver 1 Fault	等效 Driver 1 Fault	Equivalent to Driver 1 Fault	AC-F2-C 控制器
23	3-6	0x36	编码器故障 (Encoder Fault) 故障类型: 1, 编码器故障 2. 编码器故障 3. 速度脉冲信号丢失 4. 电机匹配 5. 编码器供电部分故障	Encoder Fault Fault Type: 1. Verify the loss 2. Overcurrent leads to pulse loss 3. Speed pulse signal loss 4. motor matching 5. Encoder power supply part failure	1. 电机编码器故障 2. 编码器故障 3. 速度脉冲信号丢失 4. 电机匹配 5. 编码器供电部分故障	1. Motor encoder failure. 2. Bad crimps or faulty wiring. 3. See Programmer > System Monitor menu > AC Motor > Motor RPM 4. See Programmer > AC Motor Setup > Quadrature Encoder > Encoder Fault Setup	触发: 电机编码器信号检测失败 清除: 检查编码器, 或者如果参数 LOS Upon Encoder Fault = On, 编码器互锁开关后故障清除, 进入 LOS 故障清除 (9-3 fault)	Trigger: Motor encoder signal detection fails Clear: Reset the controller, or if the parameter LOS Upon Encoder Fault = On, the fault is cleared after resetting the interlock switch, entering the LOS fault mode 9-3 fault	AC-F2-C 控制器
24	3-7	0x37	电机开路 (Motor Open) 故障类型: 1	Motor Open Fault Type(s): 1	1. 电机相开路 2. 电压检测故障	1. Motor phase is open. 2. Bad crimps or faulty wiring	触发: 检测到电机 U、V、W 相开路 清除: 检查电机	Trigger: Motor U, V, W phase open circuit detected Clear: switch KSI	AC-F2-C 控制器
25	3-8	0x38	主接触器粘连 (Main Contactor Welded) 故障类型: 1	Main Contactor Welded Fault Type(s): 1	1. 主接触器触点粘连 2. 主接触器触点粘连 3. 主接触器触点粘连	1. Main contactor tips are welded closed. 2. Motor phase U or V is disconnected or open. 3. There is an external voltage directly connected to the controller B+ terminal post	触发: 主接触器吸合后释放, 电容电压不变 清除: 复位控制器	Trigger: The main contactor is released after pick-up, and the capacitor voltage does not drop Clear:resetting the controller	AC-F2-C 控制器

26	3-9	0x39	主接触器不吸合 (Main Contactor Did Not Close) 故障类型: 1. 主接触器不吸合在有效控制命令后 2. 工作时主接触器断开	Main Contactor Did Not Close Fault Type: 1. The main contactor does not close after there is a control command 2. The main contactor is disconnected when working 3. The steering failure causes the main contactor to be disconnected	类型 1: 1. 主接触器不吸合 2. 主接触器触点有粘连 3. 控制器 B+ 接线柱外接大负载, 导致电容不能有效充电 4. 大电流启动瞬间 5. 主接触器参数设置有误 类型 2: 1. 工作时主接触器断开 2. 接触器线圈被断开 3. 接触器故障	TYPE 1: 1. The main contactor does not close 2. The main contactor contact is defective 3. The controller B+ terminal post is connected to a large load, resulting in the capacitor cannot be effectively charged 4. The high-current fuse is blown out 5. The main contactor parameter setting is incorrect 6. The steering controller is faulty Type 2: 1. The main contactor is disconnected when working 2. The contactor coil connection is disconnected 3. contactor failure	触发: 主接触器受控吸合后, 电容电压没有充分充电且电压不稳 清除: 复位控制器	Trigger: After the main contactor is held in a controlled manner, the capacitor voltage does not charge to the battery voltage Clear:resetting the controller	AC-F2-C 控制器 AC-F2-C Controller	
27	4-2	0x42	加速踏板输入故障 (Throttle Input) 故障类型: 1. 外部电压过低或过高	Throttle Input Failure. Fault Type: 1. The outside is too low or too high	1. 加速踏板输入电压超出 Analog Low 和 Analog High 设置的范围, 对应的模拟量输入人定义为加速踏板输入 2. 检查 Programmer/Controller Setup/Analog Inputs/Analog 1 Type 3. 检查 Programmer/Controller Setup/Analog Inputs/Configure	1. Throttle voltage exceeded the Analog Low or Analog High parameters for the analog input/defined for the throttle input. 2. See Programmer > Controller Setup > Analog Inputs > Analog 1 Type. 3. See Programmer > Controller Setup > Analog Inputs > Configure	触发: 加速踏板输入电压超出 Analog Low 和 Analog High 设置的范围 清除: 加速踏板输入电压回到正常范围, 复位控制器	Trigger: The accelerator input voltage is out of range of the Analog Low and Analog High settings Clear: The accelerator input voltage returns to the normal range, and the controller is reset	AC-F2-C 控制器 AC-F2-C Controller	
28	4-4	0x44	制动踏板输入故障 (Brake Input) 故障类型: 1	Brake Input Fault Type(s): 1	制动踏板输入源触发的相应故障 (分配的模拟量输入)	Corresponding fault triggered by brake input source (assigned analog input) Note: Input fault diagnosis can also be an input voltage out-range	注意: 输入 1 故障诊断也可能是输入电压超范围	Note: Input 1 troubleshooting can also be that the input voltage is out of range	AC-F2-C 控制器 AC-F2-C Controller	
29	4-6	0x46	存储器数据读写故障 (NV Memory Failure) 故障类型: 1. 无效校验 2. 数据写入错误 3. 数据读出错误 4. 数据写入前供电没有完成	NV Memory Failure Fault Type: 1. Invalid verification 2. Data writing error 3. Data reading error 4. Data writing is not completed due to power failure	1. 存储器数据读写失败 2. 控制器内部故障	1. memory data read and write failure 2. controller internal failure	触发: 控制器读写 EEPROM 数据失败 清除: 下载正确的软件及相应参数设置, 复位控制器	Trigger: Controller failed to read and write EEPROM data Clear: Download the correct software and corresponding parameter settings to reset the controller	AC-F2-C 控制器 AC-F2-C Controller	
30	4-7	0x47	高压踏板顺序保护 (HPD Sequencing) 故障类型: 1	HPD Sequencing Fault Type(s): 1	1. 钥匙开关、互锁、方向开关和加速踏板输入操作顺序不正确 2. 锁闭或在接错线在钥匙开关、互锁、方向开关和加速踏板输入 3. 钥匙开关、互锁、方向开关和加速踏板输入受阻 4. 检查 Programmer/System Monitor Menu/Inputs/Switch Status 5. 检查 Programmer/System Monitor Menu/Inputs/Throttle Command	1. Incorrect sequence in application of Keyswitch, Interlock, Direction, or Throttle. 2. Faulty wiring, crimps, or switches at KSI, Interlock, Direction, or Throttle. 3. Moisture in above-noted digital input switches causing invalid (weld) On/Off state. 4. Verify input switch status. See Programmer > System Monitor menu > Inputs > Switch Status. 5. Verify Throttle. See Programmer > System Monitor menu > Inputs > Throttle Command.	触发: 钥匙开关、互锁、方向开关和加速踏板输入操作顺序不正确 清除: 7 HPD 或 SRO 故障 清除: 按正确顺序重新输入	Trigger: An HPD or SRO fault is triggered by an incorrect sequence of operations for key switches, interlocks, directional switches, and accelerator inputs Clear: Recount in the correct order	AC-F2-C 控制器 AC-F2-C Controller	
31	4-7	0x47	紧急反向离踏板保护 (EMR Rev HPD) 故障类型: 1	EMER Rev HPD Fault Type(s): 1	1. 紧急反向操作已结束, 但加速踏板输入、方向开关、互锁没有到位	1. Emergency Reverse operation has concluded, but the throttle, forward and reverse inputs, and interlock have not been returned to neutral.	触发: 紧急反向操作已结束, 但加速踏板输入、方向开关、互锁没有到位 清除: 如果 EMR Interlock 设置为 ON, 需要清除加速踏板、方向开关输入, 如果 EMR Interlock 设置为 OFF, 需要清除加速踏板、方向开关输入	Trigger: The emergency reverse operation has ended, but the accelerator input, direction switch, and interlock have not returned Clear: If the EMR Interlock is set to ON, the accelerator, direction switch, and interlock inputs need to be cleared, and if the EMR Interlock is set to OFF, the accelerator, direction switch inputs need to be cleared	AC-F2-C 控制器 AC-F2-C Controller	
32	4-7	0x47	油泵高压踏板保护 (Pump HPD) 故障类型: 1. 只是起升 2. 只是下降 3. 起升和下降	Oil Pump High Pedal Protection (Pump HPD) Fault Type: 1. just lifting 2. just go down 3. Lifting and descending	错误的起升/下降加速踏板输入条件 (>25%) 设置参数错误: 1. 液压抑制类型 2. HPD/SRO 判断时间 油泵加速踏板硬件故障	Wrong lift/descent accelerator input condition (>25%) Set parameter error: 1. Hydraulic suppression type 2. HPD/SRO judgment time Hardware failure of oil pump accelerator	触发: 1. 启动时起升加速踏板输出高 2. 启动时下降加速踏板输出高 3. 启动时起升/下降加速踏板输出高 清除: 启动加速踏板输出到小于 25%, 开关 KSI	Trigger: 1. The output of the hoisting accelerator is high when starting 2. The output of the drop accelerator is high at start-up 3. The output of the lifting and descending accelerator is high when starting Clear: Accelerator output returns to less than 25% at startup, switch KSI	AC-F2-C 控制器 AC-F2-C Controller	
33	4-9	0x49	参数更改故障 (Parameter Change) 故障类型: 记录参数的CAN ID	Parameter Change Failure Fault Type: CAN ID of the recorded parameter	1. 互锁组合后, 修改和安全有关的参数, 即标有 PCF 的参数	1. When Interlock is On, changing a safety-based parameter. Parameters with this property are marked with a [PCF] (Parameter Change fault) in the Parameter menu list/label.	触发: 调整需要开关 KSI 的参数 清除: 复位控制器, 开关 KSI	Trigger: Adjust the parameters that need to be switched on and off the KSI Clear: Reset controller, switch KSI	AC-F2-C 控制器 AC-F2-C Controller	
34	4-10	0x4A	紧急反向开关冗余故障 (EMR Switch Redundancy) 故障类型: 1	Parameter Change Fault Type(s): 1	1. 两个紧急反向开关中的 1 个或 2 个不起作用, 导致输出控制状态 2. 开关关断或进入锁闭	1. Either or both Emergency Reverse input switches are inoperative, resulting in an invalid state. 2. Ingress of dirt or moisture in switch(s).	触发: 紧急反向开关开闭不正常 清除: 纠正开关状态, 复位控制器	Trigger: The emergency reverse switch is normally open and normally closed out of sync Clear: Corrects switch state, resets controller	AC-F2-C 控制器 AC-F2-C Controller	
35	5-1(USER_1_FAULT)	0x51	rema主回路超时	PDO Fault Rema					手柄 Handle	
36	5-2(USER_2_FAULT)	0x52	BMS通信超时	Pdo Timeout BMS					锂电池 Lithium battery	
37	5-3 (USER_3_FAULT)	0x53	用户HPD故障 (开机加速踏板有输出)	User HPD Fault					AC-F2-C 控制器 AC-F2-C Controller	
38	5-4 (USER_4_FAULT)	0x54	加速踏板开故障 (特殊车型警告)	Throttle Open Fault					手柄 Handle	
39	5-5 (USER_5_FAULT)	0x55	互锁SRO故障 (互锁信号短路)	Interlock SRO					AC-F2-C 控制器 AC-F2-C Controller	
40	5-6 (USER_6_FAULT)	0x56	GPS远程模块锁1	GPS Flag Lock 1(统一版故障代码)					辅助模块 Auxiliary module	
41	5-7 (USER_7_FAULT)	0x57								
42	5-8 (USER_8_FAULT)	0x58								
43	5-9 (USER_9_FAULT)	0x59	GPS远程模块通讯故障	GPS No Communication fault					辅助模块 Auxiliary module	
44	6-1 (USER_10_FAULT)	0x61	加速踏板冗余故障	Throttle Supervisor Fault					手柄 Handle	
45	6-2 (USER_11_FAULT)	0x62								
46	6-3 (USER_12_FAULT)	0x63	GPS远程模块锁2	GPS Flag Lock 2					AC-F2-C 控制器 AC-F2-C Controller	
47	6-4 (USER_13_FAULT)	0x64	电池锁闭灯禁止	BCL Low Liflock					仪表 Display unit	
48	6-5 (USER_14_FAULT)	0x65	1220控制模块超时	PDO Fault 1220					转向控制器 Steering controller	
49	6-6 (USER_15_FAULT)	0x66	1220控制模块开故障	1220 shutdown Fault					转向控制器 Steering controller	
50	6-7 (USER_16_FAULT)	0x67	1220控制模块限制故障	1220 Limit Fault					转向控制器 Steering controller	
51	5-10 (USER_17_FAULT)	0x5A	握手故障	Hanchshake Fault					转向控制器 Steering controller	
52	5-11 (USER_18_FAULT)	0x5B	BMS故障等级非零	BMS Fault Grade NonZero					锂电池 Lithium battery	
53	5-12 (USER_19_FAULT)	0x5C	ECU模块通讯故障	PDO Fault ECS					AC-F2-C 控制器 AC-F2-C Controller	
54	5-13 (USER_20_FAULT)	0x5D	rema主回路紧急反向操作超时故障	Rema EMR SRO					手柄 Handle	
55	5-14 (USER_21_FAULT)	0x5E	液压信号操作顺序故障	HYD SRO Fault					AC-F2-C 控制器 AC-F2-C Controller	
56	5-15 (USER_22_FAULT)	0x5F	互锁之前加速踏板有信号故障	Throttle on Without Interlock Fault					AC-F2-C 控制器 AC-F2-C Controller	
57	6-10 (USER_23_FAULT)	0x6A	BMS电压欠压故障	BMS Cell Undervolt fault					锂电池 Lithium battery	
58	6-11 (USER_24_FAULT)	0x6B	电池温度异常	BMS Temp fault					锂电池 Lithium battery	
59	6-12 (USER_25_FAULT)	0x6C	电池电压故障	BMS Cell voltage fault					锂电池 Lithium battery	
60	6-13 (USER_26_FAULT)	0x6D		BMS LOW AH					锂电池 Lithium battery	
61	6-14 (USER_27_FAULT)	0x6E	单体电压差过大	BMS voltage difference					锂电池 Lithium battery	
62	6-15 (USER_28_FAULT)	0x6F	仪表通信超时故障	Display pdo Timeout Fault					仪表 Display unit	
63	7-10 (USER_29_FAULT)	0x7A	电池类型不匹配	Battery type mismatch					仪表 Display unit	
64	7-11 (USER_30_FAULT)	0x7B	仪表不匹配故障	Unmatched Display Fault					仪表 Display unit	
65	7-12 (USER_31_FAULT)	0x7C								
66	7-13 (USER_32_FAULT)	0x7D								
67	6-8	0x68	VCL 运行时间错误 (VCL Run Time Error) 故障类型: 1	VCL Run Time Error Fault Type(s): 1	1. 运行时间故障是 VCL 定义的, 参考系统信息 2. 用 VCL 控制驱动时驱动命令和驱动信号不匹配	1. Runtime faults are defined by VCL, refer to system information 2. When using VCL to control the drive, the drive command and drive letter do not match	触发: 检测到 VCL 运行时间错误 清除: 修改 VCL, 复位控制器	Trigger: A VCL runtime error was detected Clear: Modify VCL, reset controller	AC-F2-C 控制器 AC-F2-C Controller	
68	7-2	0x72	CAN PDO 超时 (PDOTimeout) 故障类型: 1	PDO Timeout Fault Type(s): 1	1. 两条相邻的 PDO 接收信息的时间超过设置的 PDO 超时的时间 2. 调整 PDO 设置, 查看 Programmer/Application Setup/CAN Interface/PDO Setups	1. Two adjacent PDOs take longer to receive information than the set PDO timeout 2. Adjust PDO settings, see Programmer/Application Setup/CAN Interface/PDO Setups	触发: 两条相邻的 PDO 接收信息的时间超过设置的 PDO 超时的时间 清除: 接收CAN NMT 信息, 或者复位控制器	Trigger: Two adjacent PDOs are receiving information for more than the set PDO timeout Clear: Received CAN NMT message, or reset the controller	AC-F2-C 控制器 AC-F2-C Controller	
69	7-3	0x73	电机堵转 (Stall Detected) 故障类型: 1	Stall Detected Fault Type(s): 1	1. 电机堵转 2. 电机编码器失效 3. 错误接线或接线错误 4. 电机编码器供电电源分断 5. 检查 Programmer/System Monitor Menu/AC Motor/Motor RPM	1. the motor is stalled 2. The motor encoder fails 3. Wrong crimping or wiring 4. The power supply part of the motor encoder is abnormal 5. Check Programmer/System Monitor Menu/AC Motor/Motor RPM	触发: 检测不到电机编码器信号变化 清除: 复位控制器, 或者如果参数 LOS Upon Encoder Fault = On, 则立即关闭发动机故障, 进入 LOS 故障模式 (9-3 fault), 允许限制电机输出	Trigger: No change in motor encoder signal can be detected Clear: Reset the controller, or if the parameter LOS Upon Encoder Fault = On, the fault is cleared after resetting the interlock switch, entering the LOS fault mode (9-3 fault), allow to limit the motor	AC-F2-C 控制器 AC-F2-C Controller	
70	7-7	0x77	监控故障 (Supervision) 故障类型: Curtis 监控代码	Monitoring Faults (Supervision) Fault Type: Curtis monitoring code	1. 控制器内部故障	1. Internal controller failure	触发: 检测到内部故障 清除: 复位控制器	Trigger: Failure within the controller Clear:resetting the controller	AC-F2-C 控制器 AC-F2-C Controller	
71	7-9	0x79	输入检查监控故障 (Supervision Input Check) 故障类型: 1	Supervision Input Check Fault Type(s): 1	1. 控制器内部故障	1. Internal controller failure	触发: 控制器被损坏 清除: 复位控制器	Trigger: The controller is damaged Clear:resetting the controller	AC-F2-C 控制器 AC-F2-C Controller	
72	8-2	0x82	PDO 映射错误 (PDOMapping Error) 故障类型: 1	PDO Mapping Error Fault Type(s): 1	1. PDO 映射时分配了过多的数据位, 或者目标不兼容 2. 调整 PDO 设置, 查看 Programmer/Application Setup/CAN Interface/PDO Setups	1. too many data bits are allocated when PDO mapping, or the target is not compatible 2. Adjust PDO settings, see Programmer/Application Setup/CAN Interface/PDO Setups	触发: 检测到不正确的 PDO 映射 清除: 复位控制器	Triggered: Incorrect PDO mapping detected Clear:resetting the controller	AC-F2-C 控制器 AC-F2-C Controller	
73	8-3	0x83	内部硬件故障 (Internal Hardware) 故障类型: Curtis 硬件代码	Internal Hardware Failure Fault Type: Curtis Hardware Code	1. 检测到控制器内部故障	1. An internal controller failure has been detected	触发: 检测到控制器内部故障 清除: 复位控制器	Trigger: An internal controller fault has been detected Clear:resetting the controller	AC-F2-C 控制器 AC-F2-C Controller	

74	8-7	0x87	电机匹配错误 (Motor Characterization Error) 故障类型: 1 71 写入存储器 RAM 失败 72 温度传感器故障 73 电机过热 74 温度传感器故障 75 电机过热 76 压力传感器故障 77 高压故障 78 无编码器信号 79 编码器超出范围 80 电流检测超出范围 81 能检测到编码器信号, 但不能自动检测编码器速度 (编码器故障) 82 自动匹配失败 90/98 检测不到永磁同步电机反馈正弦/余弦信号 91 永磁同步电机不转 92 永磁同步电机不加速或减速 93 永磁同步电机启动加速或减速 94-97 永磁同步电机温度传感器故障 98 永磁同步电机温度传感器故障 99 永磁同步电机温度传感器故障 100 永磁同步电机温度传感器故障 101 永磁同步电机温度传感器故障 102 永磁同步电机温度传感器故障 103 永磁同步电机温度传感器故障 104 永磁同步电机温度传感器故障 105 永磁同步电机温度传感器故障 106 永磁同步电机温度传感器故障 107 永磁同步电机温度传感器故障	Motor Characterization Error Fault Type: 71 Write memory RAM fails 72 Temperature sensor failure 73 The motor overheats 74 controller temperature reduction 75 low pressure reduction 76 High pressure reduction 78 without encoder signal 79 current check out of range 80 current check out of range 81 can detect encoder signal, but cannot automatically detect the number of pulses per revolution (encoder steps) 82 Automatic matching failed The 90/98 does not detect the permanent magnet synchronous motor feedback sine/cosine signal The 91 permanent magnet synchronous motor does not rotate 92 permanent magnet synchronous motors do not accelerate or have low acceleration 94-97 permanent magnet synchronous motor delay compensation out of range The 99 permanent magnet synchronous motor rotates when it starts matching 102 permanent magnet synchronous motor	1. 匹配电机过程中电机匹配失败 清除: 复位控制器	Motor matching fails during motor matching	触发: 匹配电机过程中电机匹配失败 清除: 复位控制器	Trigger: The motor failed to match during the motor matching Clear: resetting the controller	AC-F2-C控制器 AC-F2-C Controller
75	8-8	0x88	编码器脉冲信号错误 (Encoder Pulse Error) 故障类型: 1	Encoder Pulse Error Fault Type(s): 1	1. 编码器脉冲数设置与实际不符 2. 校验参数设置错误 Program/AC Motor Setup/Quadrature Encoder/Encoder Steps 3. 电机失去 IFO 控制, 无加速信号输入情况下电机加速 清除	1. Emergency reverse trigger and end because the emergency reverse time expires 2. Emergency reverse input stuck	触发: 检测到错误的编码器步数设置 清除: 确认编码器步数设置与实际一致, 复位控制器	Trigger: Incorrect encoder step setting detected Clear: Confirm that the encoder step setting is the same as the actual one, reset the controller	AC-F2-C控制器 AC-F2-C Controller
76	8-9	0x89	参数超出范围 (Parameter Out of Range) 故障类型: 1 记录目标 CAN ID	Parameter Out of Range Fault Type: Record target CAN ID	1. 检测到参数值超出范围 清除	1. the oil pump motor external short circuit 2. controller failure	触发: 检测到参数值超出范围 清除: 重新设置参数正常范围	Trigger: Parameter value detected out of range Clear: Override parameters to normal range	AC-F2-C控制器 AC-F2-C Controller
77	9-1	0x91	固件坏 (Bad Firmware) 故障类型: 1	Bad Firmware Fault Type: 1. CRC 校验 OS 不正确 2. 使用了不兼容的 OS	1. 控制固件不正确 2. 使用了不兼容的 OS	1. the power is lower than the low battery lock parameter setting value 2. BDI parameter setting is wrong	触发: 下载的固件和控制器硬件不匹配 清除: 下载匹配的固件	Trigger: The downloaded software and controller hardware do not match Clear: Download software that can be matched	AC-F2-C控制器 AC-F2-C Controller
78	9-2	0x92	电磁刹车设置制动失败 (EM Brake Failed to Set) 故障类型: 1	EM Brake Failed To Set Fault Type(s): 1	1. 检测到车辆运行, 在电磁刹车设置制动时 2. 检测到车辆运行, 在电磁刹车设置制动时	1. the oil pump motor external short circuit 2. controller failure	触发: 电磁刹车设置制动时失败 清除: 1. 激活加速踏板 (EM Brake Type = 2); 2. 激活互锁 (EM Brake Type = 1)	Trigger: After the electromagnetic brake is set and delayed, the vehicle is detected Purge: 1. Activate Accelerator (EM Brake Type = 2) / 2. Activate Interlock (EM Brake Type = 1)	AC-F2-C控制器 AC-F2-C Controller
79	9-3	0x93	编码器 LOS 模式 (Encoder LOS) 故障类型: 1	Encoder LOS Fault Type(s): 1	1. 编码器 3-6 故障或 7-3 故障, 进入 LOS 模式 2. 编码器故障清除 3. 车辆加速 4. 车辆加速	1. encoder 3-6 fault or 7-3 failure, enter LOS mode 2. The motor encoder fails 3. Wrong crimping or wiring 4. vehicle stall	触发: 编码器 3-6 故障或 7-3 故障, 如果参数 LOS Upon Encoder Fault = On, 复位互锁开关后, 进入 LOS 故障模式 (9-3 fault), 允许限制电机输出 清除: 1. 清除 LOS 故障, 如果参数 LOS 已清除, 编码器故障清除后清除, 电机 RPM = 0, Throttle Command = 0	Trigger: Encoder 3-6 Fault or 7-3 fault, if the parameter LOS Upon Encoder Fault = On, after resetting the interlock switch, it enters LOS fault mode (9-3 fault), allowing limiting motor output Clear: Switch KSI or if LOS has been triggered, clear after making sure the encoder is normal, Motor RPM = 0, Throttle Command = 0	AC-F2-C控制器 AC-F2-C Controller
80	9-4	0x94	紧急反向超时 (Emer Rev Timeout) 故障类型: 1	Emer Rev Timeout Fault Type(s): 1	1. 紧急反向触发和结束, 因为紧急反向时间期满 2. 紧急反向输入卡住了	1. Emergency reverse trigger and end because the emergency reverse time expires 2. Emergency reverse input stuck	触发: 触发紧急反向, 运行到时间期满 清除: 关闭紧急反向输入	Trigger: Triggers emergency reverse, and the run expires Clear: Turn off emergency reverse input	AC-F2-C控制器 AC-F2-C Controller
81	9-5	0x95	油泵过流 (Pump Overcurrent) 故障类型: 1 1. 油泵电流传感器接近额定电压 2. 油泵电流传感器接近额定电压 3. 油泵电流传感器检测上限	Pump Overcurrent Fault Type: 1. the value of the oil pump current sensor is close to its supply voltage 2. The value of the oil pump current sensor is close to the sensor ground 3. upper limit of oil pump current overcurrent detection	1. 油泵电机外部短路 2. 控制器故障	1. the oil pump motor external short circuit 2. controller failure	触发: 油泵电流传感器检测上限 清除: 开关 KSI	Trigger: The upper limit of the oil pump current overcurrent detection Clear: Switch KSI	AC-F2-C控制器 AC-F2-C Controller
82	9-6	0x96	油泵电量故障 (PumpBDI) 故障类型: 1	PumpBDI Fault Type: 1. 电量低于电量限制参数设置值 2. BDI 参数设置错误	1. 电量低于电量限制参数设置值 2. BDI 参数设置错误	1. the power is lower than the low battery lock parameter setting value 2. BDI parameter setting is wrong	触发: 当电量低于电量限制参数设置值时, 触发油泵故障 清除: 电池充电	Trigger: When the power level is lower than the set value of the low battery lock parameter, the oil pump action is triggered Clear: Battery Charge	AC-F2-C控制器 AC-F2-C Controller
83	9-7	0x97	油泵硬件故障 (Pump Hardware) 故障类型: 1 1. 占空比一直不变化 2. 油泵的输入与输出占空比不匹配	Pump Hardware Failure Fault Type: 1. the duty cycle has not changed 2. The input and output duty cycle of the oil pump do not match	1. 油泵电机外部短路 2. 控制器故障	1. the oil pump motor external short circuit 2. controller failure	触发: 1. 油泵占空比参数未设置 2. 输入与输出占空比不匹配 清除: 开关 KSI	Trigger: 1. The duty cycle update of the oil pump failed, 2. The input and output duty cycles do not match Clear: Switch KSI	AC-F2-C控制器 AC-F2-C Controller
84	9-9	0x99	参数不匹配 (Parameter Mismatch) 故障类型: 1 1. 编码器模式打开了双驱模式 2. SPMSM 电机反馈选择了编码器 3. AC 感应电机反馈选择了正弦波	Parameter mismatch Fault Type: 1. The dual-wheel drive function is turned on in torque mode 2. SPMSM motor feedback selected encoder 3. AC induction motor feedback selected sine-cosine	1. 不正确的电机反馈选择针对不同的电机技术不适用 2. 编码器模式打开了双驱功能 3. 单轮驱动模式打开了双驱功能	1. Incorrect motor feedback selection for different motor technology applications 2. The dual-wheel drive function is turned on in torque mode 3. Dual drive function is turned on when single controller is applied	触发: 1. 扭矩模式下打开了双驱功能 2. SPMSM 电机反馈选择了编码器 3. AC 感应电机反馈选择了正弦波 清除: 调整参数适当, 复位控制器	Trigger: 1. The dual-wheel drive function is turned on in torque mode 2. The encoder is selected for SPMSM motor feedback 3. The feedback of the AC induction motor is positive Clear: Adjust the parameters to the appropriate value, reset the controller	AC-F2-C控制器 AC-F2-C Controller
85	9-10	0x9A	检测到互锁制动故障 (InterlockBrakingSupervision) 故障类型: 1 1. 电机转速超出电机制动速度限制 2. 检测到, 检测到在设定时间内未检测到 3. 互锁解除, 检测到车未设置制动, 转子位置超出 RPM 位置限制	Monitoring for Interlock Braking Supervision. Fault Type: 1. The motor speed exceeds the speed limit of interlock brake monitoring 2. The interlock is disconnected, and the electromagnetic brake is not set braking within the set time 3. The interlock is disconnected, the electromagnetic brake is not set to brake, and the rotor position exceeds the RPM position limit	1. 互锁制动过程中, 电机转速超出 Interlock Braking Supervision 下设置的参数 2. 查看 Programmer / Application Setup / Interlock Braking / Supervision Enable 3. 查看 Programmer / Application Setup / Interlock Braking / Interlock Braking Supervision / Interlock Braking / Interlock Braking Supervision	1. During interlock braking, the motor speed exceeds the parameters set under Interlock Braking Supervision 2. Check out Programmer / Application Setup / Interlock Braking / Supervision Enable 3. Check Programmer / Application Setup / Interlock Braking / Interlock Braking Supervision	触发: 互锁制动过程中, 电机转速超出 Interlock Braking Supervision 下设置的参数 清除: 复位控制器	Trigger: During interlock braking, the motor speed exceeds the parameters set under Interlock Braking Supervision Clear: resetting the controller	AC-F2-C控制器 AC-F2-C Controller
86	9-11	0x9B	检测到紧急反向故障 (EMR Supervision) 故障类型: 1	EMR Supervision Fault Type(s): 1	1. 紧急反向过程中, 电机转速超出 Emergency Reverse Supervision 下设置的参数 2. 查看 Programmer / Application Setup / Emergency Reverse / Emergency Reverse Supervision	1. During the emergency reverse process, the motor speed exceeds the parameters set under Emergency Reverse Supervision 2. Check out Programmer / Application Setup / Emergency Reverse / Emergency Reverse Supervision	触发: 紧急反向过程中, 电机转速超出 Emergency Reverse Supervision 下设置的参数 清除: 复位控制器	Trigger: During the emergency reverse process, the motor speed exceeds the parameters set under Emergency Reverse Supervision Clear: resetting the controller	AC-F2-C控制器 AC-F2-C Controller
87	10-1	0x9C	驱动 1 故障 (Driver 1 Fault) 故障类型: 1 1. 驱动故障 2. 驱动过流 3. 驱动故障 (检测到, 应该是低) 4. 驱动故障 (检测到, 应该是高) 5. 断线 6. 输出限制无电流 故障类型 3-5 要求打开驱动故障检测	Driver 1 Fault Fault Type: 1. Drive short circuit 2. Drive overcurrent 3. open/short circuit (detected high, should be low) 4. open/short circuit (detected low, should be high) 5. Broken wire 6. The output limit is not current Fault type 3-5 requires drive fault detection to be turned on	1. 驱动负载开路或短路 2. 检测到 pin 脚或接触线短路 3. 检测到 pin 脚或接触线短路 4. 驱动过流, 超出 Driver 1 Overcurrent 设置参数 5. 查看 Programmer / Controller Setup / Outputs / Driver 1 / Driver 1 Overcurrent	1. the drive load is open or shorted 2. The connector pin or contactor coil is dirty 3. The connector is crimped wrong or wired incorrectly 4. Drive overcurrent, exceeding the value of Driver 1 Overcurrent setting parameters 5. Check Programmer / Controller Setup / Outputs / Driver 1 / Driver 1 Overcurrent	触发: 驱动 1 开路或短路或驱动过流, 超出 Driver 1 Overcurrent 设置参数 清除: 修复短路或开路后复位控制器	Trigger: Drive 1 is open or short or drive overcurrent, exceeding the value of the Driver 1 Overcurrent setting parameter Clear: Reset controller after repairing short circuit or open circuit	AC-F2-C控制器 AC-F2-C Controller
88	10-2	0xA2	驱动 2 故障 (Driver 2 Fault) 故障类型: 1 1. 驱动故障 2. 驱动过流 3. 驱动故障 (检测到, 应该是低) 4. 驱动故障 (检测到, 应该是高) 5. 断线 6. 输出限制无电流 故障类型 3-5 要求打开驱动故障检测	Driver 2 Fault Fault Type: 1. Drive short circuit 2. Drive overcurrent 3. open/short circuit (detected high, should be low) 4. open/short circuit (detected low, should be high) 5. Broken wire 6. The output limit is not current Fault type 3-5 requires drive fault detection to be turned on	1. 驱动负载开路或短路 2. 检测到 pin 脚或接触线短路 3. 检测到 pin 脚或接触线短路 4. 驱动过流, 超出 Driver 2 Overcurrent 设置参数 5. 查看 Programmer / Controller Setup / Outputs / Driver 2 / Driver 2 Overcurrent	1. the drive load is open or shorted 2. The connector pin or contactor coil is dirty 3. The connector is crimped wrong or wired incorrectly 4. Drive overcurrent, exceeding the value of Driver 2 Overcurrent setting parameters 5. Check out Programmer / Controller Setup / Outputs / Driver 2 / Driver 2 Overcurrent	触发: 驱动 2 开路或短路或驱动过流, 超出 Driver 2 Overcurrent 设置参数 清除: 修复短路或开路后复位控制器	Trigger: Drive 2 open circuit or short circuit or drive overcurrent, exceeding the value of the Driver 2 Overcurrent setting parameter Clear: Reset controller after repairing short circuit or open circuit	AC-F2-C控制器 AC-F2-C Controller
89	10-3	0xA3	驱动 3 故障 (Driver 3 Fault) 故障类型: 1 1. 驱动故障 2. 驱动过流 3. 驱动故障 (检测到, 应该是低) 4. 驱动故障 (检测到, 应该是高) 5. 断线 6. 输出限制无电流 故障类型 3-5 要求打开驱动故障检测	Driver 3 Fault Fault Type: 1. Drive short circuit 2. Drive overcurrent 3. open/short circuit (detected high, should be low) 4. open/short circuit (detected low, should be high) 5. Broken wire 6. The output limit is not current Fault type 3-5 requires drive fault detection to be turned on	1. 驱动负载开路或短路 2. 检测到 pin 脚或接触线短路 3. 检测到 pin 脚或接触线短路 4. 驱动过流, 超出 Driver 3 Overcurrent 设置参数 5. 查看 Programmer / Controller Setup / Outputs / Driver 3 / Driver 3 Overcurrent	1. the drive load is open or shorted 2. The connector pin or contactor coil is dirty 3. The connector is crimped wrong or wired incorrectly 4. Drive overcurrent, exceeding the value of Driver 3 Overcurrent setting parameters 5. Check out Programmer / Controller Setup / Outputs / Driver 3 / Driver 3 Overcurrent	触发: 驱动 3 开路或短路或驱动过流, 超出 Driver 3 Overcurrent 设置参数 清除: 修复短路或开路后复位控制器	Trigger: Drive open circuit or short circuit or drive overcurrent, exceeding the value of the Driver 3 Overcurrent setting parameter Clear: Reset controller after repairing short circuit or open circuit	AC-F2-C控制器 AC-F2-C Controller
90	10-4	0xA4	驱动 4 故障 (Driver 4 Fault) 故障类型: 1 1. 驱动故障 2. 驱动过流 3. 驱动故障 (检测到, 应该是低) 4. 驱动故障 (检测到, 应该是高) 5. 断线 6. 输出限制无电流 故障类型 3-5 要求打开驱动故障检测	Driver 4 Fault Fault Type: 1. Drive short circuit 2. Drive overcurrent 3. open/short circuit (detected high, should be low) 4. open/short circuit (detected low, should be high) 5. Broken wire 6. The output limit is not current Fault type 3-5 requires drive fault detection to be turned on	1. 驱动负载开路或短路 2. 检测到 pin 脚或接触线短路 3. 检测到 pin 脚或接触线短路 4. 驱动过流, 超出 Driver 4 Overcurrent 设置参数 5. 查看 Programmer / Controller Setup / Outputs / Driver 4 / Driver 4 Overcurrent	1. the drive load is open or shorted 2. The connector pin or contactor coil is dirty 3. The connector is crimped wrong or wired incorrectly 4. Drive overcurrent, exceeding the value of Driver 4 Overcurrent setting parameter value 5. Check out Programmer / Controller Setup / Outputs / Driver 4 / Driver 4 Overcurrent	触发: 驱动 4 开路或短路或驱动过流, 超出 Driver 4 Overcurrent 设置参数 清除: 修复短路或开路后复位控制器	Trigger: Drive 4 open or short circuit or drive overcurrent, exceeding the value of the Driver 4 Overcurrent setting parameter Clear: Reset controller after repairing short circuit or open circuit	AC-F2-C控制器 AC-F2-C Controller
91	10-5	0xA5	驱动 5 故障 (Driver 5 Fault) 故障类型: 1 1. 驱动故障 2. 驱动过流 3. 驱动故障 (检测到, 应该是低) 4. 驱动故障 (检测到, 应该是高) 5. 断线 6. 输出限制无电流 故障类型 3-5 要求打开驱动故障检测	Driver 5 Fault Fault Type: 1. Drive short circuit 2. Drive overcurrent 3. open/short circuit (detected high, should be low) 4. open/short circuit (detected low, should be high) 5. Broken wire 6. The output limit is not current Fault type 3-5 requires drive fault detection to be turned on	1. 驱动负载开路或短路 2. 检测到 pin 脚或接触线短路 3. 检测到 pin 脚或接触线短路 4. 驱动过流, 超出 Driver 5 Overcurrent 设置参数 5. 查看 Programmer / Controller Setup / Outputs / Driver 5 / Driver 5 Overcurrent	1. the drive load is open or shorted 2. The connector pin or contactor coil is dirty 3. The connector is crimped wrong or wired incorrectly 4. Drive overcurrent, exceeding the value of Driver 5 Overcurrent setting parameters 5. Check Programmer / Controller Setup / Outputs / Driver 5 / Driver 5 Overcurrent	触发: 驱动 5 开路或短路或驱动过流, 超出 Driver 5 Overcurrent 设置参数 清除: 修复短路或开路后复位控制器	Trigger: Drive 5 open or short circuit or drive overcurrent, exceeding the value of the Driver 5 Overcurrent setting parameter Clear: Reset controller after repairing short circuit or open circuit	AC-F2-C控制器 AC-F2-C Controller

92	10-6	0uA6	驱动 6 故障 (Driver 6 Fault) 故障类型: 1. 驱动短路 2. 驱动过流 3. 开闭/短流 (检测到高, 应该低) 4. 开闭/短流 (检测到低, 应该高) 5. 断线 6. 输出限制无电流 故障类型: 3-5要求打开驱动故障检测	Driver 6 Fault Fault Type: 1. Drive short circuit 2. Drive overcurrent 3. open/short circuit (detected high, should be low) 4. open/short circuit (detected low, should be high) 5. Broken wire 6. The output limit is no current Fault type 3-5 requires drive fault detection to be turned on	1. 驱动负载开路或短路 2. 接插件 pin 脚或接触线焊接错了 3. 接插件与驱动板接触不良 4. 驱动过流。超出 Driver 6 Overcurrent设置参数值 5. 查看 Programmer / Controller Setup / Outputs / Driver 6 / Driver 6 Overcurrent.	1. the drive load is open or shorted 2. The connector pin or connector coil is dirty 3. The connector is crimped wrong or wired incorrectly 4. The driver overcurrent exceeds the value of the Driver 6 Overcurrent setting parameter 5. Check Programmer / Controller Setup / Outputs / Driver 6 / Driver 6 Overcurrent.	触发: 驱动 6 开闭或短路或驱动过流。超出 Driver 6 Overcurrent 设置参数值 清除: 修复驱动开路或短路后复位控制器	Trigger: Drive 6 open circuit or short circuit or drive overcurrent, exceeding the value of the Driver 6 Overcurrent setting parameter Clear: Reset controller after repairing short circuit or open circuit	AC-F2-C 控制器 AC-F2-C Controller
93	10-7	0uA7	驱动 7 故障 (Driver 7 Fault) 故障类型: 1. 驱动短路 2. 驱动过流 3. 开闭/短流 (检测到高, 应该低) 4. 开闭/短流 (检测到低, 应该高) 5. 断线 6. 输出限制无电流 故障类型: 3-5要求打开驱动故障检测	Driver 7 Fault Fault Type: 1. Drive short circuit 2. Drive overcurrent 3. open/short circuit (detected high, should be low) 4. open/short circuit (detected low, should be high) 5. Broken wire 6. The output limit is no current Fault type 3-5 requires drive fault detection to be turned on	1. 驱动负载开路或短路 2. 接插件 pin 脚或接触线焊接错了 3. 接插件与驱动板接触不良 4. 驱动过流。超出 Driver 7 Overcurrent设置参数值 5. 查看 Programmer / Controller Setup / Outputs / Driver 7 / Driver 7 Overcurrent.	1. the drive load is open or shorted 2. The connector pin or connector coil is dirty 3. The connector is crimped wrong or wired incorrectly 4. drive overcurrent, exceed Driver 7 Override set parameter value 5, view Programmer / Controller Setup / Outputs / Driver 7 / Driver 7 Overcurrent.	触发: 驱动 7 开闭或短路或驱动过流。超出 Driver 7 Overcurrent 设置参数值 清除: 修复驱动开路或短路后复位控制器	Trigger: Drive 7 is open or short or drive overcurrent, exceeding the value of the Driver 7 Overcurrent setting parameter Clear: Reset controller after repairing short circuit or open circuit	AC-F2-C 控制器 AC-F2-C Controller
94	10-8	0uA8	驱动分配故障 (Driver Assignment) 故障类型: 5驱动序号导致故障	Driver Assignment Failure Fault type: 5 The drive sequence number caused the failure	1. 一个驱动操作 2 个或多个功能 2. 查看 Programmer / Controller Setup / IO Assignments / Coil Drivers: 电磁刹车驱动 电磁制动器驱动	1. one drive is used for 2 or more functions Check out Programmer/Controller Setup/IO Assignments/Coil Drivers: Main contactor drive Electromagnetic brake drive Pump contactor drive	触发: 驱动分配冲突 清除: 解决驱动分配冲突后复位控制器	Trigger: Drive allocation conflict Clear: Reset controller after resolving driver assignment conflicts	AC-F2-C 控制器 AC-F2-C Controller
95	10-9	0uA9	线圈电源故障 (Coil Supply Fault) 故障类型: 1. 与 8-短流或硬件故障 2. 驱动内部故障。导致线圈电源被切断 3. 线圈电源启动故障失败 4. 线圈电源启动禁止检测失败	Coil Supply Fault Fault Type: 1. With 8- short circuit or hardware failure 2. The drive is short-circuited internally, causing the coil power supply to be cut off 3. Coil power start detection failure 4. coil power start prohibiting detection failure	1. 驱动负载开路 2. 接插件 pin 脚或接触线焊接错了 3. 接插件与驱动板接触不良 4. 控制线故障	1. the drive load is short-circuited 2. The connector pin or connector coil is dirty 3. The connector is crimped wrong or wired incorrectly 4. controller failure	触发: 驱动负载通过检测检测到故障。检测到驱动部分短路故障。同时检测到驱动部分短路故障。 清除: 输入 KSI	Trigger: A short circuit was detected after the startup check passed. A short circuit was detected in the low-side section of the driver, and a short circuit was detected in the low-side section of the driver after the startup check passed. Clear: Switch KSI	AC-F2-C 控制器 AC-F2-C Controller
96	11-1	0uB1	模拟量输入 1 范围 (Analog 1 Out of Range) 故障类型: 1. 超过上限 2. 低于下限	Analog 1 Out of Range Fault Type: 1. Exceeding the upper limit 2. Low is limited to	1. 模拟量 1 输入电压高于 Analog 1 Low 设置值 2. 查看 Programmer / Controller Setup / Analog Inputs / Analog 1 4. 查看 Programmer / Controller Setup / Analog Inputs / Configure / Analog 1 Low/Analog 1 High	1. the analog 1 input voltage is higher than the Analog 1 High setting 2. The analog 1 input voltage is lower than the Analog 1 Low setting value Check out Programmer/Controller Setup/Analog Inputs/Analog 1 4. View Programmer / Controller Setup / Analog Inputs / Configure / Analog 1 Low / Analog 1 High	触发: 1 输入电压高于参数设置的阈值; 2 输入电压低于参数设置的阈值; 清除: 输入电压回到参数设置范围内。复位控制器	Trigger: 1 The input voltage is higher than the threshold set by the parameter; 2 The input voltage is lower than the threshold set in the parameter; Clear: The input voltage returns to the parameter setting range, reset the controller.	AC-F2-C 控制器 AC-F2-C Controller
97	11-2	0uB2	模拟量输入 2 范围 (Analog 2 Out of Range) 故障类型: 1. 超过上限 2. 低于下限	Analog 2 Out of Range Fault Type: 1. Exceeding the upper limit 2. Low is limited to	1. 模拟量 2 输入电压高于 Analog 2 High 设置值 2. 模拟量 2 输入电压低于 Analog 2 Low 设置值 3. 查看 Programmer / Controller Setup / Analog Inputs / Analog 2 4. 查看 Programmer / Controller Setup / Analog Inputs / Configure / Analog 2 Low/Analog 2 High	1. the analog 2 input voltage is higher than the Analog 2 High setting 2. analog 2 input voltage is lower than the Analog 2 Low setting value Check out Programmer/Controller Setup/Analog Inputs/Analog 2 4. Check Programmer / Controller Setup / Analog Inputs / Configure / Analog 2 Low / Analog 2 High	触发: 1 输入电压高于参数设置的阈值; 2 输入电压低于参数设置的阈值; 清除: 输入电压回到参数设置范围内。复位控制器	Trigger: 1 The input voltage is higher than the threshold set by the parameter; 2 The input voltage is lower than the threshold set in the parameter; Clear: The input voltage returns to the parameter setting range, reset the controller.	AC-F2-C 控制器 AC-F2-C Controller
98	11-3	0uB3	模拟量输入 3 范围 (Analog 3 Out of Range) 故障类型: 1. 超过上限 2. 低于下限	Analog 3 Out of Range Fault Type: 1. Exceeding the upper limit 2. Low is limited to	1. 模拟量 3 输入电压高于 Analog 3 High 设置值 2. 模拟量 3 输入电压低于 Analog 3 Low 设置值 3. 查看 Programmer / Controller Setup / Analog Inputs / Analog 3 4. 查看 Programmer / Controller Setup / Analog Inputs / Configure / Analog 3 Low/Analog 3 High	1. the analog 3 input voltage is higher than the Analog 3 High setting 2. Analog 3 input voltage is lower than the Analog 3 Low setting Check out Programmer/Controller Setup/Analog Inputs/Analog 3 4. Check Programmer / Controller Setup / Analog Inputs / Configure / Analog 3 Low / Analog 3 High	触发: 1 输入电压高于参数设置的阈值; 2 输入电压低于参数设置的阈值; 清除: 输入电压回到参数设置范围内。复位控制器	Trigger: 1 The input voltage is higher than the threshold set by the parameter; 2 The input voltage is lower than the threshold set in the parameter; Clear: The input voltage returns to the parameter setting range, reset the controller.	AC-F2-C 控制器 AC-F2-C Controller
99	11-4	0uB4	模拟量输入 4 范围 (Analog 4 Out of Range) 故障类型: 1. 超过上限 2. 低于下限	Analog 4 Out of Range Fault Type: 1. Exceeding the upper limit 2. Low is limited to	1. 模拟量 4 输入电压高于 Analog 4 High 设置值 2. 模拟量 4 输入电压低于 Analog 4 Low 设置值 3. 查看 Programmer / Controller Setup / Analog Inputs / Analog 4 4. 查看 Programmer / Controller Setup / Analog Inputs / Configure / Analog 4 Low/Analog 4 High	1. the analog 4 input voltage is higher than the Analog 4 High setting 2. the analog 4 input voltage is lower than the Analog 4 Low setting value Check out Programmer/Controller Setup/Analog Inputs/Analog 4 Check Programmer / Controller Setup / Analog Inputs / Configure / Analog 4 Low / Analog 4 High	触发: 1 输入电压高于参数设置的阈值; 2 输入电压低于参数设置的阈值; 清除: 输入电压回到参数设置范围内。复位控制器	Trigger: 1 The input voltage is higher than the threshold set by the parameter; 2 The input voltage is lower than the threshold set in the parameter; Clear: The input voltage returns to the parameter setting range, reset the controller.	AC-F2-C 控制器 AC-F2-C Controller
100	11-5	0uB5	模拟量输入 5 范围 (Analog 5 Out of Range) 故障类型: 1. 超过上限 2. 低于下限	Analog 5 Out of Range Fault Type: 1. Exceeding the upper limit 2. Low is limited to	1. 模拟量 5 输入电压高于 Analog 5 High 设置值 2. 模拟量 5 输入电压低于 Analog 5 Low 设置值 3. 查看 Programmer / Controller Setup / Analog Inputs / Analog 5 4. 查看 Programmer / Controller Setup / Analog Inputs / Configure / Analog 5 Low/Analog 5 High	1. the analog 5 input voltage is higher than the Analog 5 High setting 2. the analog 5 input voltage is lower than the Analog 5 Low setting value Check out Programmer/Controller Setup/Analog Inputs/Analog 5 4. View Programmer / Controller Setup / Analog Inputs / Configure / Analog 5 Low / Analog 5 High	触发: 1 输入电压高于参数设置的阈值; 2 输入电压低于参数设置的阈值; 清除: 输入电压回到参数设置范围内。复位控制器	Trigger: 1 The input voltage is higher than the threshold set by the parameter; 2 The input voltage is lower than the threshold set in the parameter; Clear: The input voltage returns to the parameter setting range, reset the controller.	AC-F2-C 控制器 AC-F2-C Controller
101	11-6	0uB6	模拟量输入 6 范围 (Analog 6 Out of Range) 故障类型: 1. 超过上限 2. 低于下限	Analog 6 Out of Range Fault Type: 1. Exceeding the upper limit 2. Low is limited to	1. 模拟量 6 输入电压高于 Analog 6 High 设置值 2. 模拟量 6 输入电压低于 Analog 6 Low 设置值 3. 查看 Programmer / Controller Setup / Analog Inputs / Analog 6 4. 查看 Programmer / Controller Setup / Analog Inputs / Configure / Analog 6 Low/Analog 6 High	1. the analog 6 input voltage is higher than the Analog 6 High setting 2. the analog 6 input voltage is lower than the Analog 6 Low setting value Check out Programmer/Controller Setup/Analog Inputs/Analog 6 4. Check Programmer / Controller Setup / Analog Inputs / Configure / Analog 6 Low / Analog 6 High	触发: 1 输入电压高于参数设置的阈值; 2 输入电压低于参数设置的阈值; 清除: 输入电压回到参数设置范围内。复位控制器	Trigger: 1 The input voltage is higher than the threshold set by the parameter; 2 The input voltage is lower than the threshold set in the parameter; Clear: The input voltage returns to the parameter setting range, reset the controller.	AC-F2-C 控制器 AC-F2-C Controller
102	11-7	0uB7	模拟量输入 7 范围 (Analog 7 Out of Range) 故障类型: 1. 超过上限 2. 低于下限	Analog 7 Out of Range Fault Type: 1. Exceeding the upper limit 2. Low is limited to	1. 模拟量 7 输入电压高于 Analog 7 High 设置值 2. 模拟量 7 输入电压低于 Analog 7 Low 设置值 3. 查看 Programmer / Controller Setup / Analog Inputs / Analog 7 4. 查看 Programmer / Controller Setup / Analog Inputs / Configure / Analog 7 Low/Analog 7 High	1. analog 7 input voltage is higher than the Analog 7 High setting 2. the analog 7 input voltage is lower than the Analog 7 Low setting value Check out Programmer/Controller Setup/Analog Inputs/Analog 7 Check Programmer / Controller Setup / Analog Inputs / Configure / Analog 7 Low / Analog 7 High	触发: 1 输入电压高于参数设置的阈值; 2 输入电压低于参数设置的阈值; 清除: 输入电压回到参数设置范围内。复位控制器	Trigger: 1 The input voltage is higher than the threshold set by the parameter; 2 The input voltage is lower than the threshold set in the parameter; Clear: The input voltage returns to the parameter setting range, reset the controller.	AC-F2-C 控制器 AC-F2-C Controller
103	11-8	0uB8	模拟量输入 8 范围 (Analog 8 Out of Range) 故障类型: 1. 超过上限 2. 低于下限	Analog 8 Out of Range Fault Type: 1. Exceeding the upper limit 2. Low is limited to	1. 模拟量 8 输入电压高于 Analog 8 High 设置值 2. 模拟量 8 输入电压低于 Analog 8 Low 设置值 3. 查看 Programmer / Controller Setup / Analog Inputs / Analog 8 4. 查看 Programmer / Controller Setup / Analog Inputs / Configure / Analog 8 Low/Analog 8 High	1. the analog 8 input voltage is higher than the Analog 8 High setting 2. the analog 8 input voltage is lower than the Analog 8 Low setting value Check out Programmer/Controller Setup/Analog Inputs/Analog 8 Check Programmer / Controller Setup / Analog Inputs / Configure / Analog 8 Low / Analog 8 High	触发: 1 输入电压高于参数设置的阈值; 2 输入电压低于参数设置的阈值; 清除: 输入电压回到参数设置范围内。复位控制器	Trigger: 1 The input voltage is higher than the threshold set by the parameter; 2 The input voltage is lower than the threshold set in the parameter; Clear: The input voltage returns to the parameter setting range, reset the controller.	AC-F2-C 控制器 AC-F2-C Controller
104	11-9	0uB9	模拟量输入 9 范围 (Analog 9 Out of Range) 故障类型: 1. 超过上限 2. 低于下限	Analog 9 Out of Range Fault Type: 1. Exceeding the upper limit 2. Low is limited to	1. 模拟量 9 输入电压高于 Analog 9 High 设置值 2. 模拟量 9 输入电压低于 Analog 9 Low 设置值 3. 查看 Programmer / Controller Setup / Analog Inputs / Analog 9 4. 查看 Programmer / Controller Setup / Analog Inputs / Configure / Analog 9 Low/Analog 9 High	1. the analog 9 input voltage is higher than the Analog 9 High setting 2. the analog 9 input voltage is lower than the Analog 9 Low setting value Check out Programmer/Controller Setup/Analog Inputs/Analog 9 4. Check Programmer/Controller Setup/Analog Inputs/Configure / Analog 9 Low/Analog 9 High	触发: 1 输入电压高于参数设置的阈值; 2 输入电压低于参数设置的阈值; 清除: 输入电压回到参数设置范围内。复位控制器	Trigger: 1 The input voltage is higher than the threshold set by the parameter; 2 The input voltage is lower than the threshold set in the parameter; Clear: The input voltage returns to the parameter setting range, reset the controller.	AC-F2-C 控制器 AC-F2-C Controller
105	11-11	0uB8	模拟量输入 14 范围 (Analog 14 Out of Range) 故障类型: 1. 超过上限 2. 低于下限	Analog 14 Out of Range Fault Type: 1. Exceeding the upper limit 2. Low is limited to	1. 模拟量 14 输入电压高于 Analog 14 High 设置值 2. 模拟量 14 输入电压低于 Analog 14 Low 设置值 3. 查看 Programmer / Controller Setup / Analog Inputs / Analog 14 4. 查看 Programmer / Controller Setup / Analog Inputs / Configure / Analog 14 Low/Analog 14 High	1. the analog 14 input voltage is higher than the Analog 14 High setting 2. the analog 14 input voltage is lower than the Analog 14 Low setting value Check out Programmer/Controller Setup/Analog Inputs/Analog 14 4. View Programmer / Controller Setup / Analog Inputs / Configure / Analog 14 Low/Analog 14 High	触发: 1 输入电压高于参数设置的阈值; 2 输入电压低于参数设置的阈值; 清除: 输入电压回到参数设置范围内。复位控制器	Trigger: 1 The input voltage is higher than the threshold set by the parameter; 2 The input voltage is lower than the threshold set in the parameter; Clear: The input voltage returns to the parameter setting range, reset the controller.	AC-F2-C 控制器 AC-F2-C Controller
106	11-12	0uBC	模拟量分配故障 (Analog Assignment) 故障类型: 9 模拟量输入导致故障	Analog Assignment Fault Fault type: 9 The analog serial number caused the fault	1. 一个模拟量操作 2 个或多个功能 2. 一个模拟量输入范围 3. 查看 Programmer / Controller Setup / IO Assignments / Controls	1. one analog quantity is used as 2 or more functions 2. an analog input out of range 3. Check Programmer / Controller Setup / IO Assignments / Controls	触发: 一个模拟量操作 2 个或多个功能或输入范围 清除: 解决驱动分配冲突后复位控制器	Trigger: An analog used for 2 or more functions or inputs out of range Clear: Reset controller after resolving drive assignment conflicts	AC-F2-C 控制器 AC-F2-C Controller
107	11-13	0uBD	模拟量输入 18 范围 (Analog 18 Out of Range) 故障类型: 1. 超过上限 2. 低于下限	Analog 18 Out of Range Fault Type: 1. Exceeding the upper limit 2. Low is limited to	1. 模拟量 18 输入电压高于 Analog 18 High 设置值 2. 模拟量 18 输入电压低于 Analog 18 Low 设置值 3. 查看 Programmer / Controller Setup / Analog Inputs / Analog 18 4. 查看 Programmer / Controller Setup / Analog Inputs / Configure / Analog 18 Low/Analog 18 High	1. the analog 18 input voltage is higher than the Analog 18 High setting 2. the analog 18 input voltage is lower than the Analog 18 Low setting value Check out Programmer/Controller Setup/Analog Inputs/Analog 18 4. Check Programmer / Controller Setup / Analog Inputs / Configure / Analog 18 Low/Analog 18 High	触发: 1 输入电压高于参数设置的阈值; 2 输入电压低于参数设置的阈值; 清除: 输入电压回到参数设置范围内。复位控制器	Trigger: 1 The input voltage is higher than the threshold set by the parameter; 2 The input voltage is lower than the threshold set in the parameter; Clear: The input voltage returns to the parameter setting range, reset the controller.	AC-F2-C 控制器 AC-F2-C Controller
108	11-15	0uBF	油泵电流传感器故障 (Pump Current Sensor) 故障类型: 1. 油泵电流传感器接近其电源电压 2. 油泵电流传感器接近其传感器接地	Pump Current Sensor Failure Fault Type: 1. The value of the oil pump current sensor is close to its power supply voltage 2. the value of the oil pump current sensor is close to the sensor ground	1. 油泵电机外部短路 2. 控制线故障	1. the oil pump motor external short circuit 2. controller failure	触发: 油泵电流传感器接近其电源电压传感器故障。没有电流补偿 清除: 开关 KSI	Trigger: After the oil pump current sensor value is close to its power supply voltage, the sensor is grounded without current compensation Clear: Switch KSI	AC-F2-C 控制器 AC-F2-C Controller
109	12-1	0uC1	品牌化错误 (BrandingError) 故障类型: 1	Branding Error Fault Type(s): 1	1. 软件和硬件品牌不匹配 2. 联系当地 Curtiss 技术支持处理故障	1. software and hardware brands do not match 2. Contact local Curtiss technical support to deal with the fault	触发: 软件和硬件不兼容 清除: 作为可用的, 应加载有品牌软件, 或者使用有品牌软件并正确安装的文件和 CIT 工具	Trigger: Software and hardware are incompatible Clear: As available, load branded software, or use branded controllers and configure the correct files and CIT tools.	AC-F2-C 控制器 AC-F2-C Controller
110	12-3	0uC3	硬件兼容性故障 (Hardware Compatibility) 故障类型: 1	Hardware Compatibility 故障类型: 1	OS 和控制器不兼容; 1. 下载的软件和控制器硬件不兼容	1. the oil pump motor external short circuit 2. controller failure	触发: OS 不正确 清除: 下载匹配的 OS	Trigger: The OS is incorrect Clear: Download the matching OS	AC-F2-C 控制器 AC-F2-C Controller
111	12-5	0uCS	提升输入故障 (Lift Input Fault) 故障类型: 1	Lift Input Fault 故障类型: 1	1. 软件输入源关联故障诊断都会触发故障。例如, 提升输入是一个模拟量输入, 那么和模拟量输入有关的所有故障都会触发故障并报告	The fault is triggered by the fault diagnostics associated with the lifting input source. For example, if the input is an analog input, all faults related to the analog input are aggregated into the fault and reported	触发: 提升输入源关联故障诊断都会触发故障 清除: 解决任何分配冲突, 输入后复位控制器	Trigger: The fault diagnosis associated with the lift input source triggers the fault Clear: Resolve any allocation conflicts, or input out of range and then reset the controller	AC-F2-C 控制器 AC-F2-C Controller

112	12-6	OnC6	下降输入故障 (Lower Input Fault) 故障类型: 1	Lower Input Fault 故障类型: 1	和下降输入源关联的故障诊断都会触发该故障。例如, 下降输入源是一个模拟量输入, 那么和该模拟量输入有关的所有故障都会被归入该故障并报告	The fault is triggered by both the fault and the troubleshooting associated with the descending input source. For example, if the falling input source is an analog input, then all faults related to that analog input are aggregated into the fault and reported	触发: 和下降输入源关联的故障诊断都会触发该故障 清除: 解决任何的分配冲突, 或输入超范围, 然后复位控制器	Trigger: The fault diagnosis associated with the drop input source triggers the fault Clear: Resolve any allocation conflicts, or input out of range, and then reset the controller.	AC-F2-C控制器
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