Error Codes

For DC 24 kW

Code Hexa	Designation	Standard (1)	Description
0x00	NOERROR	All	No error, normal state.
0x01	Power_Supervisor_Failure	CB/CH/GB	Internal charger problem in power supervision
0x02	EXT_Emergency_Stop 0x03	CB/CH/GB	Emergency Stop Button pushed
0x03	PSU_Emergency_Stop	CB/CH/GB	Emergency Stop requested by internal anomaly detection
0x04	Abnormal_output_Voltage_at_start	CB/CH/GB	Abnormal output voltage detected on charger power up
0x05	Output_Power_Switch_Failure	CB/CH/GB	Output relay failure detected during start self-check
0x06	Can_Data_invalid	CH	Value incoherency in CAN frame
0x07	Can_Frame_absent	CH/GB	CAN communication stopped
0x08	Overcurrent	CB/CH/GB	Output Overcurrent detected
0x09	OverVoltage	CB/CH/GB	Output voltage above limit
0x0A	ChargerOverHeating	CB/CH/GB	Charger is over heating
0x0B	OverLimitI	CH	EV request more current than allowed
0x0C	PSU_ABSENT	CB/CH/GB	Charger Power Supervisor is not responding
0x0D	PSU_TimeoutModeChange	CB/CH/GB	Charger Power Supervisor stuck
0x0E	PSU_BadState	CB/CH/GB	Charger Power Supervisor in incoherent state
0x0F	Abnormal_internal_Voltage_at_start	CB/CH/GB	Abnormal voltage presence inside the charger
0x10	Connector_Lock	CH/GB	Problem while locking connector
0x11	BatteryIncompatibility	CH	Battery characteristics incompatibles with charger
0x12	VehicleMalfunction	CH	Battery incoherency or doesn't respond
0x13	ChargingStopCtl	CH	Charging sequence stop requested by external user
0x14	VehicleShiftPosition	CH	CAN fault flag, see CHAdeMO protocol
0x15	VehicleOtherFaults	CH	CAN fault flag, see CHAdeMO protocol
0x16	BatteryOverVoltage	CH	CAN fault flag, see CHAdeMO protocol
0x17	BatteryUnderVoltage	CB/CH/GB	CAN fault flag, see CHAdeMO protocol
0x18	BatteryCurrentDifferential	CH	CAN fault flag, see CHAdeMO protocol
0x19	HighBatteryTemperature	CH	CAN fault flag, see CHAdeMO protocol
0x1A	VoltageDifferential	CH	CAN fault flag, see CHAdeMO protocol
0x1B	InsulationFailure	CB/CH/GB	Insulation test failure
0x1C	ChargerMalfunction	CH	Charger internal problem
0x1D	VoltageLimit	CH	VoltageLimit was reached
0x1E	User_Charge_Interrupt	CB/CH/GB	Charge ended by user operation
0x1F	VehicleBadPilotState	CB	PEV incoherent pilot state

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Code Hexa	Designation	Standard (1)	Description
0x20	Abnormal_discharging time	CH/GB	Charger internal voltage takes more than 2min to decrease under minimum voltage
0x20	ERR_Status_ready	n.a.	Not used
0x22	ERR_Status_LOCK	n.a.	Not used
0x23	Pilot_Bad_State_ch	CB/CH/GB	PEV incoherent pilot state during charge
0x24	ERR_Can_Data_OE	n.a.	Not used
0x25	EV_Not_ready	CB	PEV not ready to charge
0x26	ERR_EV_Bulk_charge_complete	n.a.	Not used
0x27	ERR_EV_Full_charge_complete	n.a.	Not used
0x28	No_power_module	CB/CH/GB	No power module in active state
0x29	CAN_wakeup	CH	No can frame receive from the vehicle
0x30	ERR_EV_NO_ERROR	n.a.	Not used
0x31	EV_RESSTemperatureInhibit	CB	Battery Temperature Inhibit, Battery too hot/ cold to accept charge
0x32	EV_ShiftPosition	CB	Vehicle Shift Position, Vehicle is not in Park
0x33	EV_ChargerConnectorLockFault	CB	Charger Connector Lock Fault, Vehicle has not detected the Charge cord connector locked into the inlet or failure where connector cannot be unlocked from the charging inlet.
0x34	EV_EVRESSMalfunction	CB	Vehicle RESS Malfunction, Any non-recoverable fault or error condition of the Vehicle RESS.
0x35	EV_ChargingCurrentdifferential	CB	Charging Current Differential, Indication that vehicle has stopped the Communication Session after detecting that the charging Station is not able to maintain an output current that fulfils the current request.
0x36	EV_ChargingVoltageOutOf-Range	CB	Charging voltage out of range, Indication that vehicle has stopped the Communication Session after detecting that the RESS is either under or above normal operating voltage range.
0x37	MessageTimeout	CB	PEV didn’t send any more data
0x38	SessionSetupTimeout	CB	PEV didn’t respond to Session Setup
0x39	ReadyToChargeTimeout	CB	PEV not going in ready to charge state
0x3A	EV_ChargingSystemIncompatibility	CB	Charging System Incompatibility, if the vehicle determines that the charging Station is incompatible.
0x3B	EVNoData	CB	Connection lost
0x3C	SLACTimeout	CB	SLAC procedure failed
0x3D	ETHNegoFailure	CB/CH/GB	Ethernet Negotiation failure
0x3E	ETHLink_Failure	CB/CH/GB	Ethernet Link failure
0x3F	PLCNoLink	CB	PLC Link lost
0x40	CHAdeMOProtocol	CH	CHAdeMO Protocol version not supported
0x44	V2GSequence_Error	CB	EV communication not respected
0x44		CB	EV communication not respected

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Code Hexa	Designation	Standard (1)	Description
0x45	V2GRequest_Error	CB	Data value not correct in EV Request
0x46	IHM_timeout	CB/CH/GB	Keep alive frame not received
0x47	Charging_Time_ended	CH	CHAdeMO charge has ended due to time limit reach
0x48	ERR_Charge_enable_sig	CH	CHAdeMO EV has set the Charge enable physical signal value to 0 during charge
0x49	ERR_Charge_enable_flag	CH	CHAdeMO EV has set the Charge enable value to 0 during charge
0x50	Connector_OverHeating	CB/GB	CCS1/2 connector temperature is too high
0x51	CAN_Frame_Timeout	GB	CAN frame not received
0x52	ProxyInvalid	CB	CCS1 button pressed during charge or Proxy disconnected
0x53	EV_Wrong_Parameter	CB	EV send wrong/understandable parameter
0x54	V2G_FrameError	CB	EV send V2G frame without the right format
0x55	Connector Failure	CG/GB	Temperature sensor is not connected
0x56	Voltage Difference	CB	Voltage between in/out of the output relay too important
0x57	PLC Chipset issue	CB	PLC Chipset does not work properly
0x60	RelayJFailure	CB/CH	Error of Dual junction relay
0x60	EV_GB_charge_stop	GB	Informative code – Charge stopped by EV
0x61	EV_SOC_Reached	GB	Informative code - SOC target value reached
0x62	EV_Voltage_reached	GB	Informative code - total voltage setting value reached
0x63	EV_Cell_voltage	GB	Informative code - Cell voltage setting value reached
0x64	EV_insulation_fault	GB	Insulation fault detected
0x65	EV_connector_overheat	GB	Output connector overheated
0x66	EV_overheat	GB	BMS element, output connector overheated
0x67	EV_Connector_fault	GB	Charger connection fault
0x68	EV_Battery_temp	GB	Battery pack temperature too high
0x69	EV_Fault	GB	Other faults
0x6A	EV_Current_error	GB	Current exceeds the required value
0x6B	EV_Voltage_error	GB	Voltage is abnormal
0x6C	BRO_EV_not_ready	GB	EV not ready to charge
0x70	BHM_timed_out	GB	BHM frame not received or timed-out
0x71	BRM_timed_out	GB	BRM frame not received or timed-out
0x72	BCP_timed_out	GB	BCP frame not received or timed-out
0x73	BRO_timed_out	GB	BRO frame not received or timed-out
0x74	BCL_timed_out	GB	BCL frame not received or timed-out
0x75	BCS_not_received	GB	BCS not received
0x76	BCS_timed_out	GB	BCS timed-out
0x77	ERR_EV_HV_Relay_fault	GB	High voltage relay fault
0x78	ERR_BCS timeout out	GB	GB communication timeout
0x79	ERR_EV_HV_Relay_Fault	GB	Error sent by vehicle

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Code Hexa	Designation	Standard (1)	Description
0x7A	ERR_EV_Batt_Cell_Volt_too_high	GB	Voltage of single power storage battery is overhigh
0x7B	ERR_EV_Batt_Cell_Volt_too_low	GB	Voltage of single power storage battery is overlow
0x7C	ERR_EV_Battery_SOC_too_high	GB	State-of-charge SOC of power storage battery for complete vehicle is over-high
0x7D	ERR_EV_Battery_SOC_too_low	GB	State-of-charge SOC of power storage battery for complete vehicle is over-low
0x7E	ERR_EV_Battery_OVC	GB	Charging overcurrent of power storage battery
0x7F	ERR_EV_Battery_OVT	GB	Excess temperature of power storage battery
0x80	Power_supervisor_Unknow	CB/CH/GB	Unknown failure from power supervisor
0x81	PSU_EmergencyStop	CB/CH/GB	Emergency stop detected by power supervisor
0x82	ModulesCommunication	CB/CH/GB	Communication failure with power modules
0x83	CCU_Communication	CB/CH/GB	Communication failure between CCU and Power Supervisor
0x84	NoModule	CB/CH/GB	No power module available
0x85	OverVoltage	CB/CH/GB	Over Voltage detected
0x86	OverHeating	CB/CH/GB	Charger Over Heating
0x87	Coherency	CB/CH/GB	Data coherency failure
0x88	Insulation failure	CB/CH/GB	Insulation test failed
0x89	LimitVmax	CB/CH/GB	Output voltage limit
0x8A	ShortCircuit	CB/CH/GB	Short circuit detected at output
0x8B	limitVred	CB/CH/GB	Vred is out of limit (min or max)
0x8C	Ins_Controller_FAILED	CB/CH/GB	Insulation controller malfunction
0x8D	DVred	CB/CH/GB	Rectified voltage variation too quick
0x8E	HW Incompatibility	CB/CH/GB	Power board incompliant
0x90	Nothing detected or waiting mode not possible	CB/CH/GB	
0xA0	FL_PSU_Fault	CB/CH/GB	Error during PSU or power modules reprogramming
0xB0	NO_Application	CB/CH/GB	Stuck in bootloader because no valid application into flash
0xB1	INVALID_APPLICATION	CB/CH/GB	Cannot boot application into flash, need reprogram
0xC0	AutoCheck0: control Pilot Error	CB/CH/GB	Negative voltage on control pilot generator is failed.
0xC1	AutoCheck1: internal precharge failed	CB/CH/GB	The supervision doesn’t measure the voltage target during auto-check
0xC2	AutoCheck2: output pre-charge failed	CB/CH/GB	The output voltage doesn’t reach the target voltage of auto-check during the output precharge.

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Code Hexa	Designation	Standard (1)	Description
0xC3	AutoCheck3: output connection error	CB/CH/GB	After precharging the output and after the connection of the output (output relay closed), the output voltage is not at the target voltage.
0xC4	AutoCheck4: insulation error	CB/CH/GB	The auto-check function detects an insulation error during output pre-charge or after output connection.
0xC5	AutoCheck5: Module(s) detected but not active	CB/CH/GB	During auto-check, at least one module is not active.
0xC6	AutoCheck Module1: Voltage error	CB/CH/GB	Module 1 output voltage is not at the target
0xC7	AutoCheck Module2: Voltage error	CB/CH/GB	Module 2 output voltage is not at the target
0xC8	AutoCheck Module3: Voltage error	CB/CH/GB	Module 3 output voltage is not at the target
0xC9	AutoCheck Module4: Voltage error	CB/CH/GB	Module 4 output voltage is not at the target
0xCA	AutoCheck Module5: Voltage error	CB/CH/GB	Module 5 output voltage is not at the target
0xCB	AutoCheck Module6: Voltage error	CB/CH/GB	Module 6 output voltage is not at the target
0XCC	AutoCheck7: residual output tension	CB/CH/GB	The power module are stopped, the output and the pre-charge are disconnected, but the output voltage stay high.
0xCD	AutoCheck8: output not disconnected	CB/CH/GB	During input pre-charge, the supervision detect a voltage on the output with output relay opened and pre-charge relay opened.
0xCE	AutoCheck9: output not disconnected	CB/CH/GB	No power modules are present during init phase
0xCF	AutoCheck10: output not disconnected	CB/CH/GB	Power modules are present but all in failed state
0xD0	Autocheck11: plc chipset absent	CB	Plc chipset is not detected or absent, CCS mode is unavailable
0xE0	OSBX Absent or failed	CB/CH	OSB3X is not connected or failed
0xE1	OSBX_Abnormal_Voltage	CB/CH	Voltage detected on both OSBX Output
0xE2	OSBX_Abnormal_Temperature	CB/CH	OSBX Temperature too high
0xE3	OSBX_Fan_Issue	CB/CH	OSBX Fan does not work properly
0xE4	OSBX_Abnormal_Voltage_ Difference	CB/CH	Voltage between OSBX input and OSBX output higher than XX V
0xE5	Err_OSBX_CHA_Insulation_Failure	CH	Insulation failure detected by OSBX
0xFF	UNDEFINED	CB/CH/GB	Unknown error

(1) GB, CB (COMBO) or CH (CHAdeMO)

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Code Hexa	Designation	Standard (1)	Description
0x2	Power meter	AC	Internal error, please contact your after sales service
0x4	Over temperature	AC	Internal error, please contact your after sales service
0x8	Over voltage	AC	Internal error, please contact your after sales service
0x10	Over current	AC	Internal error, please contact your after sales service
0x20	Connector	AC	Internal error, please contact your after sales service
0x40	Emergency stop	AC	Internal error, please contact your after sales service
0x80	Mother board	AC	Internal error, please contact your after sales service
0x400	Lock	AC	Internal error, please contact your after sales service
0x800	Low voltage	AC	Internal error, please contact your after sales service
0X2000	Communication	AC	Internal error, please contact your after sales service
0x4000	Contactor	AC	Internal error, please contact your after sales service
0x8000	EV diode	AC	Internal error, please contact your after sales service
0x10000	DX	AC	Internal error, please contact your after sales service

(1) The AC error codes can be a combination of the different AC codes together

Schneider Electric Industries SAS
35, rue Joseph Monier
CS 30323
92506 Rueil Mailmaison Cedex
France
www.se.com

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