Fault List JM-2xxx (FW-0.09.51)

Fault No.	Name	HT*)	Description	Remedy
0x0000	No Fault	0		
0x0101	IGBT Overtemperature	0	IGBT module too hot.	Check inverter cooling and fan functionality.
0x0102	Ixt Long Time	0	Permissible duration of long-term overload (60s) was exceeded.	If error occurs during acceleration / deceleration processes, reduce ramp gradient; if error occurs during stationary operation, reduce load or speed. Servo amplifier may be dimensioned incorrectly.
0x0103	Ixt Short Time	0	Permissible duration of short-term overload (1s) was exceeded.	If error occurs during acceleration / deceleration processes, reduce ramp gradient; if error occurs during stationary operation, reduce load or speed. Servo amplifier may be dimensioned incorrectly.
0x0104	I2t Monitoring: Motor	0	Thermal motor model has detected motor overload.	
0x0200	Heatsink Overtemperature	0	Heat sink temperature exceeded the permissible limit.	Check ambient conditions and cooling system (refer to permissible temperature range and cooling requirements). Check heatsink fan and if available cabinet fan. If the specified ambient conditions cannot be realized, the switching PWM-frequency may be reduced, otherwise, the output-power must be reduced. Overtemperature faults can only be reset after the temperature has decreased at least 5 °C.
0x0300	Device Overtemperature	0	Inside Temperature has exceeded the permissible limit.	Check cooling and fans. Check permissible operating temperature range, upgrade electrical cabinet cooling system, if necessary. Overtemperature faults can only be reset after the temperature has decreased at least 5 °C.
0x0303	Capacitor Overtemperature	0	DC-Link-Capacitor Temperature has exceeded the permissible limit.	Check temperature range in environment. Enforce cooling system in switching cabinet.
0x0304	PCB Overtemperature	0	PCB Temperature has exceeded the permissible limit.	Check temperature range in environment. Enforce cooling system in switching cabinet.

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0x0400	Motor Overtemperature	0	Thermosensor or PTC monitor has detected too high motor temperature.	Allow motor to cool down, check load / cooling system. Larger motor may be required. The motor temperature is too high or sensor broken: Check thermosensor and parameterization of servo amplifier concerning the thermosensor.
0x0404	Tracking Error	0	The tracking error limit was exceeded.	Check the controller settings of speed controller and position controller or increase the tracking error limit of the position controller.
0x0500	Over Current	15	Output current value too high. (Overload / Motor blocked / Short circuit)	Check motor load and connection and ramps. Check, that the encoder is setup correctly (sense of rotation). Check torque controller settings (no oscillation of current).
0x0503	DC Link Over Current	15	Overcurrent in one phase / earth fault / bridge short circuit	Check motor and wiring.
0x0505	Earth leakage motor side	15	Possible earth leakage detected (unsymmetrical motor current)	
0x0507	SW Over Current	15	Overcurrent in one phase	Check motor load and connection.
0x0520	Current Measurement Offset	0	Error in offset evaluation of current measurement.	Offset evaluation of analog digital converter generated an error. Power off and on again and check whether the error occurs again. If this occurs repeatedly, and no overcurrent is present, contact your Bucher Automation.
0x0525	Min Current Ctrl	15	Minimum Current Control in Advanced Brake Mode	
0x0530	Possibly No Motor Connected	15	High inverter output voltage with very small current.	Check motor connection.
0x0531	Bootstrap Failed	15	No valid current measurement signals after bootstrap state.	Reading of current must be approximately 2048, which corresponds to 0 Ampere.
0x0603	BDM Power Unit Identification Failed	0	Power Unit ID was not properly detected.	Error environment 1 includes a power unit ID detected by the controller. Contact Bucher Automation.
0x0604	BDM Invalid Hardware	0	Revision of detected BDM is invalid.	Contact Bucher Automation.

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0x0605	Device Data Unconfirmed	0	Device Data has been changed. Changes are not yet verified and active.	Restart the inverter
0x0607	Device Data required BDM Data Missing	0	Data essential for the operation of the BDM are missing.	Contact Bucher Automation.
0x0608	Device Data required CBO Data Missing	0	Data essential for the operation of the CBO are missing.	Contact Bucher Automation.
0x0609	Device Data Checksum Failed	0	Device data stored are invalid.	Contact Bucher Automation.
0x060A	CBO Device Data Version	0	Device Data too old.	Contact Bucher Automation.
0x060C	BDM Device Data Version	0	Device Data too old.	Contact Bucher Automation.
0x060D	Device Data Invalid	0	Device Data in BDM are invalid	Contact Bucher Automation.
0x060E	Invalid No Of Axis	0	Device Data does not correspond to the actual device.	Contact Bucher Automation.
0x060F	Commissioning Data Error	0	Loading of commissioning data failed.	Contact Bucher Automation.
0x0610	Invalid Acquisition Retain-Data	0	Stored Acquisition Data invalid	Restart your device. If this happens again, contact Bucher Automation
0x0611	Invalid Peak-Average Retain-Data	0	Stored Peak-Average values invalid.	Restart your device. If this happens again, contact Bucher Automation
0x0612	Invalid I2t Retain-Data	0	Stored I2t Retain Data invalid.	Restart your device. If this happens again, contact Bucher Automation
0x0613	Invalid Fault Acknowledge Retain-Data	0	Stored Fault Acknowledge invalid.	Restart your device. If this happens again, contact Bucher Automation
0x0615	Invalid Order Retain-Data	0	Stored Order Retain Data invalid.	Restart your device. If this happens again, contact Bucher Automation
0x0616	Invalid Zero Point Retain-Data	0	Stored Zero Point Retain Data invalid.	Restart your device. If this happens again, contact Bucher Automation
0x0630	Commissioning Data Restored	0	Commissioning Data has been restored.	Restart your device. If this happens again, contact Bucher Automation
0x0700	DC Link Over Voltage	0	DC link voltage too high (e.g deceleration ramps too steep).	Check break resistor operation and conection. Check motor chopper operation.
0x0701	DC Link Under Voltage	0	DC link voltage too low (e.g. mains undervoltage / overload / phase failure of mains)	Check if all 3 mains voltages are within desired range or if available function of DC-voltage supply.

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0x0703	Mains Phase Loss	0	Mains phase loss has been detected due to high DC link ripple	Check mains power supply
0x0706	Motor Chopper Trigger Voltage too low	0	Parameterized voltage threshold of the motor chopper too low.	Reduce DC link voltage (mains voltage or DC-supply)
0x0801	BDM Supply Under Voltage	0	Possibly external short circuit and/or overload of electronics voltage	Remove all external connections (control terminals) and check if error still exists.
0x0802	BDM Supply Over Voltage	0	Supply Voltage of BDM Controller exceeded permitted limit.	Contact Bucher Automation.
0x0803	External 24V Over Voltage	0	External Supply Voltage exceeded permitted limit.	Remove all external connections (AC-Bus) and check if error still exists.
0x0804	Internal 24V Under Voltage	0	Possibly external short circuit and/or overload of electronics voltage	Remove all external connections (control terminals, ...) and check if error still exists.
0x0805	Internal 24V Over Voltage	0	Internal Supply Voltage exceeded permitted limit.	Remove all external connections (signal terminals etc.) and check if the fault remains.
0x0806	External 24V Under Voltage	0	Defective power unit	Remove all external connections (Bus terminals) and check if the fault remains. If the fault remains contact Bucher Automation
0x0910	Pre Charge Relais Open In Operation	0	The precharge contactor was opened in operation.	If occuring repeatedly, please contact Bucher Automation
0x0A00	CBO EEPROM	0	EEPROM cannot be detected.	Contact Bucher Automation.
0x0A07	Fault Protocol Error	0	Error during Fault Protocol write.	Contact Bucher Automation.
0x0A08	Event Log Error	0	Error during Event Log write.	Contact Bucher Automation.
0x0B00	Trap	0	e.g. Electromagnetic interference	If errors can be reproduced and EMC problems can be excluded: new software version.
0x0B09	Unexpected Reset	0	Controller has performed a reset operation. Possible reason: EMC.	Check EMC and wiring of control inputs and outputs. If this can be excluded, check the fan(s). Contact Bucher Automation
0x0B35	Internal Error	0	An internal error has occured.	Contact Bucher Automation.
0x0B36	FPGA Error	0	Encoder Module update failed.	Contact Bucher Automation.
0x0BF0	Missing Interrupt	0	Internal software error	Contact Bucher Automation.
0x0C00	Reset Required	0	A restart of the device is necessary to continue operation	Restart your device. If this happens again, Contact Bucher Automation

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0x0C02	Device Data Updated	0	New controller board installed or new device data uploaded.	Load default values.
0x0C03	Missing Capability	0	Necessary capability is missing	
0x0C04	Error Init Objects	0	Error in EEPROM Structure. Mostly appears after software update.	Set Default Values
0x0C05	Object Value Error	0	Values of one or more parameters in EEPROM are outside of permissible range.	Change value / set default values. In order to ensure a safe function of the unit, the defective parameter in RAM is set to its default value when a parameter error occurs. For this reason, the default value is always displayed when the parameter is polled.
0x0C06	User Management Invalid	0	User Management is invalid.	Restart your device. If this happens again, Contact Bucher Automation
0x0C10	Task List Overflow	0	Computing time overflow of processor. Possible reason: EMC.	Improve EMC or reduce switching frequency.
0x0C11	CPU Load	0	CPU Load too high.	Contact Bucher Automation.
0x0C41	Assert Occurred	0	Internal Software Fault	Contact Bucher Automation.
0x0C50	RTOS Fault	0	Error in operation of RTOS detected.	Contact Bucher Automation.
0x0C51	Permanent Reset	0	Inverter has performed several resets. Possible Software Fault.	Contact Bucher Automation.
0x0C52	Stack Overflow	0	Internal Software Fault.	Contact Bucher Automation.
0x0D03	Dataset Change Fault	0	Datasets with different motors must not be changed during operation.	Contact Bucher Automation.
0x0D04	Auto Setup Error	0	Setup during auto setup	Check Obj 209B:01 (INT32) for error description
0x0D05	Safety Board No Comm	0	Safety Module is missing	Check your device for missing Safety Moduel
0x0D06	Resolver Init Failed	0	Resolver initialisation failed.	
0x0D09	Resolver Signal Lost	0	Resolver signal was lost.	
0x0D0A	Resolver Signal Degradation	0	Resolver signal degradation.	
0x0D0B	Resolver Angle Error	0	Error in Resolver Angle calculation.	
0x0D0C	Safety Frame Corrupt	0	Error in communication with Safety Module	Contact Bucher Automation.
0x0D0D	Safety Init Error	0	Initialisation of Safety Module failed.	Contact Bucher Automation.
0x0D10	Invalid Module	0	Invalid Extension Module detected.	Contact Bucher Automation.
0x0D11	Safety Module Changed	0	Safety Module has been exchanged.	Contact Bucher Automation.

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0x0D12	Resolver Invalid Gain	0	Resolver initialisation failed.	Contact Bucher Automation.
0x0D13	No Safety Module	0	Mandatory Safetly Module is missing.	Contact Bucher Automation.
0x0D14	Invalid Safety Module	0	Invalid Safety Module detected.	Contact Bucher Automation.
0x0D15	Invalid Hardware Configuration	0	Hardware Configuration (used Modules) is not permitted.	Contact Bucher Automation.
0x0D16	FSoE Enable Mismatch	0	FSoE Enable is inconsistent between Inverter and Safety Module	Please check 'Fieldbus' (3E28:0) and 'Safety Enabled' (3904:15)
0x1000	Operation Enabled impossible	0	Inverter cannot be enabled (e. g. STO / Untervoltage / Encoder)	Check Obj. 0x4002:2 (INT32) for more information
0x1001	Autostart Timeout	0	Autostart Timeout has expired	heck Obj. 0x4002:2 (INT32) for more information Contact Bucher Automation.
0x1002	SBC request active	0	Enable not possible as brake cannot be opened	deacktivate SBC and try enable again
0x1010	Brake Resistor	0	Current in brake chopper too high. BC resistance too low. Short circuit	Check brake chopper connection / resistance.
0x1011	Brake Resistor Detection	0	Brake resistor detection failed.	
0x1012	Brake Resistor Overload	0	Brake resistor energy exceeds dissipation capacity	Reduce brake energy. Use external brake resistor
0x1100	OverSpeed	0	Maximum speed has been exceeded	
0x1101	Global Maximum Frequency	0	Inverter maximum frequency (599 Hz) was exceeded.	
0x1102	Maximum Speed Difference	0	Speed error in speed controller is greater than Speed Differnece Window	
0x1200	General Safety Fault	0	A safety fault has occured.	
0x1201	SS1 Error Reaction Triggered	0	SS1 as error reaction has been carried out	
0x1205	Discrepancy Monitoring STO Inputs	0	Channel A/B of STO input have been unequal for more than 500 ms	
0x1209	SS1-t Supervison	0	Internal fault of SS1-t function	
0x1210	Discrepancy Monitoring SBC Inputs	0	Channel A/B of SBC input have been unequal for more than 500 ms	
0x1211	Discrepancy Monitoring Safe Digital Input 1	0	Channel A/B of safe digital input 1 have been unequal for more than 500 ms	

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0x1212	Discrepancy Monitoring Safe Digital Input 2	0	Channel A/B of safe digital input 2 have been unequal for more than 500 ms	
0x1213	Discrepancy Monitoring Safe Digital Input 3	0	Channel A/B of safe digital input 3 have been unequal for more than (500 ms	
0x1214	Discrepancy Monitoring Safe Digital Input 4	0	Channel A/B of safe digital input 4 have been unequal for more than 500 ms	
0x1220	Error Monitoring SS1	0	Limits were exceeded during SS1 stop	
0x1221	Error Monitoring SS2	0	Limits were exceeded during SS2 stop	
0x1222	SOS Tolerance Limit Exceeded	0	Limits were exceeded while holding the position	
0x1223	SLP: No Homing	0	Perform homing before activating SLP	
0x1224	SDI: Negative Direction Detected	0	Motion detected in blocked direction	
0x1225	SDI: Positive Direction Detected	0	Motion detected in blocked direction	
0x1226	Homing Timed Out	0	Homing took too long (see obj. 2647:0)	
0x1227	SLP: Min. Position	0	SLP: min position undershot	
0x1228	SLP: Max. Position	0	SLP: max position exceeded	
0x1230	Error Acknowledge without Error	0	Not allowed to request err. ack without pending error!	
0x1231	SLS1 Speed Limit Exceeded	0	SLS1 speed limit exceeded	
0x1232	SLS2 Speed Limit Exceeded	0	SLS2 speed limit exceeded	
0x1233	SLS3 Speed Limit Exceeded	0	SLS3 speed limit exceeded	
0x1234	SLS4 Speed Limit Exceeded	0	SLS4 speed limit exceeded	
0x123F	SLS-SL Speed Limit Exceeded	0	SLS sliding limits: speed limit exceeded	
0x1241	Encoder Voltage Limit Exceeded	0	Encoder voltage not within given range	
0x1250	HDSL Encoder Sync Error	0	No sync for HDSL encoder	
0x1251	HDSL Encoder Status Monitoring	0	HDSL encoder reports an error	
0x1252	HDSL Encoder Position Monitoring Error	0	Position compare of HDSL encoder faulty	

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0x1253	HDSL Cycle Time Error	0		
0x1254	HDSL CRC Error	0	Multiple CRC errors during communication to encoder	
0x1255	HDSL Startup-Error	0	HDSL encoder could not be initialized by safety module	Check voltage range, parameters and safety qualification of HDSL encoder
0x1256	HDSL Position Error	0	HDSL encoder reports an position error	
0x1257	HDSL Connection Lost	0	Connection to HDSL encoder was lost due to an unkown reason.	Check cable.
0x1258	HDSL Velocity Crosscheck failed	0	Internal error calculating the velocity.	
0x1269	Maximum Velocity Exceeded	0	Velocity too high to be safely evaluated.	Sensorless operation: check switching frequency.
0x1270	Diagnostic Error Safe Digital Output 1	0	Error for SDO 1 detected.	Check cables for short circuit or cross circuit.
0x1271	Diagnostic Error Safe Digital Output 2	0	Error for SDO 2 detected.	Check cables for short circuit or cross circuit.
0x1272	Diagnostic Error Safe Digital Input 1	0	Internal error of safe digital input 1 detected.	
0x1273	Diagnostic Error Safe Digital Input 2	0	Internal error of safe digital input 2 detected.	
0x1274	Diagnostic Error Safe Digital Input 3	0	Internal error of safe digital input 3 detected.	
0x1275	Diagnostic Error Safe Digital Input 4	0	Internal error of safe digital input 4 detected.	
0x1280	FSoE Watchdog Error	0	FSoE communication watchdog: comm. time limit exceeded.	
0x1281	FSoE Control Flow Monitoring	0	Internal error during FSoE communication.	
0x1282	FSoE Input Image Discrepance	0	Internal error during FSoE communication.	
0x1283	FSoE CRC Error Safety Related Application Parameters	0	The SRA CRC does not match the SRA parameters.	
0x1284	FSoE Output Image Discrepance	0	Internal error during FSoE communication.	

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0x1285	FSoE Non Critical Error	0	FSoE: unexpected communication behaviour.	
0x1286	FSoE Softerror Detection	0	Internal error during FSoE communication.	
0x1287	FSoE Invalid F-Address	0	F-Address settings do not match the expectation.	Check CBO address setting.
0x1288	FSoE Error Initialising	0	Internal safety-module FSoE error.	
0x1289	Output Image Deviation	0	Output image deviation of channel A and B (crosscheck failed).	
0x128A	Diagnostic Error F-Address Switch	0	F-Address DIP-switch diagnostics reports an error (stuck-at).	
0x128B	Parity Error F-Address Switch	0	Wrong parity setting for F-Address DIP-switch.	
0x128C	FSoE Data State Broken	0	FSoE: Data state intentionally broken by FSoE master.	
0x128D	FSoE Critical Error	0	Critical error of FSoE communication due to an unknown reason.	
0x12A0	Undertemprature Safety Module	0	Temperature too low for operation, exceeds product specification.	
0x12A1	Overtemprature Safety Module	0	Temperature too high for operation, exceeds product specification.	
0x12A3	3V3 Supply Exceeds Limits	0	Internal power supply error.	
0x12A4	External 24V Supply Exceeds Limits	0	External 24V supply exceeds limits or is not connected at all.	
0x12A5	5V Supply Outside Permissible Range	0	Internal power supply error.	
0x12A6	24V Supply Outside Permissible Range	0	External 24V supply exceeds limits or is not connected at all.	
0x12A7	Internal Cross-Communication Error	0	Internal safety module error.	
0x12A8	Unknown Hardware-Id	0	Error reading the HW-id of the safety module (HW fault).	
0x12A9	Error Testing FailSafe Circuit	0	Error testing failsafe power-supply switch.	Check capacity on safe outputs.
0x12AA	Unsupported Safety Board Version	0	Firmware does not support the hardware-version of the safety-module.	

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0x12AF	3V Supply Exceeds Limits	0	Internal power supply error.	
0x12B0	Diagnostic Error 24V Supply	0	Internal error of 24V power-supply crosscheck.	
0x12B1	Diagnostic Error 5V Supply	0	Internal error of 5V power-supply crosscheck.	
0x12B2	Diagnostic Error Encoder Voltage	0	Internal error of encoder-power-supply crosscheck.	
0x12B3	Diagnostic Error Temprature Monitoring	0	Internal error of temprature crosscheck.	
0x12B4	Control Flow Error	0	Internal error of safety module firmware.	
0x12B5	Cycle Time Monitoring Error	0	Internal error of safety module firmware.	
0x12C0	Invalid Parameter-Set	0	No valid parameter-set available.	Please set a valid parameterization
0x12C1	Default Password	0	Default-password is set.	Please change the password of the safety module, do not use the default value.
0x12C2	Softerror Detection Parameter-Set	0	Softerror detection of parameter-set.	
0x12C4	Safe State during Write Access	0	Ongoing or completed safety module parameterization.	Please acknowledge.
0x12C5	Safe File Deviation	0	Internal error of safe parameterization.	
0x12C6	Invalid Serial Number	0	Safety-Module: missing or invalid serial number.	
0x12C7	Firmware Deviation Channel A/B	0	Internal error of safe firmware crosscheck.	
0x12C8	CRC Error Safe Application	0	Internal error of safe firmware.	
0x12C9	Safety Application Out of Date	0	Safety-Module firmware is outdatet.	Do not use old firmware.
0x12D0	STO Diagnostic Error	0	Internal error of STO function detected.	
0x12D1	SBC Diagnostic Error	0	Diagnostic error of SBC output.	Possibly no brake connected.
0x12D2	24V Sensor Supply Diagnostic Error	0	Error on X841.9 / X841.10 detected.	Check cables for short circuit or cross circuit.
0x12D3	Sensorless Speed Diagnostic Error	0	Internal HW error of sensorless speed evaluation.	
0x12D4	Wrong Switching Frequency Detected	0	Wrong switching frequency for sensorless speed evaluation. Check obj. 2n4D:0.	

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0x12D5	Sensorless Speed Plausibility Check Failed	0	Internal error of sensorless speed evaluation.	
0x12D6	Unsupported Safety Function Activated	0	A selected safety-function is not supported by speed or fieldbus settings.	
0x12D7	Regenerative Operation	0	Motor rotates faster than indicated by stator frequency.	Check also number of pole pairs, 2n4E:0.
0x12D8	Overcurrent Detection 24V	0	Overcurrent on safe digital outputs detected.	Check for short circuit or maximum load.
0x12E0	CPU-Error: Lockstep	0	Internal HW error of safety module.	Contact Bucher Automation.
0x12E1	CPU-Error: Peripherals	0	Internal HW error of safety module.	Contact Bucher Automation.
0x12E2	CPU-Error: ECC/EDC Flash Memory	0	Internal HW error of safety module.	Contact Bucher Automation.
0x12E3	CPU-Error: ECC/EDC RAM Memory	0	Internal HW error of safety module.	Contact Bucher Automation.
0x12E4	CPU-Error: ECC Logic	0	Internal HW error of safety module.	Contact Bucher Automation.
0x12E5	CPU-Error: Clock	0	Internal HW error of safety module.	Contact Bucher Automation.
0x12E6	CPU-Error: Voltage Monitor	0	Internal HW error of safety module.	Contact Bucher Automation.
0x12E7	CPU-Error: Watchdog	0	Internal HW error of safety module.	Contact Bucher Automation.
0x12E8	CPU-Error: Undertemperature	0	Undertemperature of safety cpu detected.	Contact Bucher Automation.
0x12E9	CPU-Error: Overtemperature	0	Overtemperature of safety cpu detected.	Contact Bucher Automation.
0x12EA	CPU-Error: Register Protection	0	Internal HW error of safety module.	Contact Bucher Automation.
0x12EB	CPU-Error: Register Redundancy	0	Internal HW error of safety module.	Contact Bucher Automation.
0x12EC	CPU-Error: Failsafe Switchoff	0	Internal HW error of safety module.	Contact Bucher Automation.
0x12ED	CPU-Error: ADC	0	Internal HW error of safety module.	Contact Bucher Automation.
0x12EE	CPU-Error: RAM-Test	0	Internal HW error of safety module.	Contact Bucher Automation.
0x12EF	CPU-Error: Unexpected Reset	0	Internal HW error of safety module.	Contact Bucher Automation.
0x12F0	Stack Overflow / Stack Underflow	0	Internal error of safety module.	Contact Bucher Automation.
0x12F1	Register Protection	0	Internal HW error of safety module.	Contact Bucher Automation.
0x12FD	Unexpeced Initializing Request	0	Internal error of safety module.	Contact Bucher Automation.

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0x12FE	Asynchronous Channels	0	Internal error of safety module.	Check for EMC Contact Bucher Automation.
0x12FF	Unknown Safety Fault	0	Unknown Safety Fault occured or panic error on safety module.	Contact Bucher Automation.
0x140A	Analogoutput 1 Overcurrent	0	Overload of digital output 1 detected.	
0x140B	Analogoutput 1 External Voltage	0	External voltage at analog output 1 detected.	
0x1410	Digital Out 1 Overload	15	Overload of digital output 1 detected.	
0x1411	Digital Out 2 Overload	15	Overload of digital output 2 detected.	
0x1412	24V Output Overload	15	Overload of 24V detected.	
0x1430	Division Marks Fault	0	The number of division marks configured does not match.	
0x1445	Both Hardware Limit Switch	0	The positive and negative limit switch was triggered at the same time.	Check HW limit switches and their wiring.
0x1446	Hardware Limit Switch Wrong Connection	0	The pos./neg. HLS was triggered while the motor rotated in neg./pos. direction	Check HW limit switches and their wiring.
0x1447	Pos Hardware Limit Switch	0	The positive hardware limit switch was triggered	Check if the target position is correct.
0x1448	Neg Hardware Limit Switch	0	The negative hardware limit switch was triggered	Check if the target position is correct.
0x1451	Quickstop not allowed	0	Quickstop is not allowed in current mode of operation.	
0x1484	Encoder Supply Overvoltage	0	Encoder supply voltage exceeded permitted limit.	Check servo amplifier encoder connection.
0x1485	Encoder Supply Undervoltage	0	Encoder supply voltage below permitted limit.	Check servo amplifier encoder connection and 24VDC voltage supply.
0x1486	Encoder Over Current	0	Encoder supply current exceeded permitted limit.	Check servo amplifier encoder connection.
0x1487	Sense Cable Missing	0	An operation mode with sense-wire was selected, but not connected.	Check wiring for breakage. Connect sense wires. Choose a supply voltage mode without sense.
0x1488	Sin/Cos: Error Correction Track A/B	0	Correction of offset or ampl. fault of the A/B track exceeded the allowed value.	Check encoder and wiring.

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0x1490	Sin/Cos: Error Correction Track C/D	0	Correction of offset or ampl. fault of the C/D track exceeded the allowed value.	Check encoder and wiring.
0x1491	Z-Track Missing	0	Z-Track was not detected.	Check object "Division marks", "Encoder type" and wiring
0x1493	Sin/Cos: Connection Fault	0	Check encoder wiring.	
0x1495	Position Supervision	0	Deviation between digital and analog track position detected.	Check objects "Encoder type", "Division marks", "Bits Singleturn" and "Bits Multiturn". Check wiring and EMC. Check if the fault also occurs at low speed.
0x14B0	Brake X12: Ext. 24V Supply	0	Brake output overload.	
0x1702	Dig. Enc.: Signal Amplitude	0	The signal amplitude of the encoder used for the position calculation lies outside the valid range.	
0x1703	Dig. Enc.: Position Value	0	The digital position value is faulty.	
0x1716	Dig. Enc.: Unknown Fault	0		
0x1717	Dig. Enc.: Init Fault	0	The encoder couldn’t be initialized.	Fault environment contains the code of the fault occurring during the initialization.
0x1718	Dig. Enc.: DeInit Fault	0	Inside the encoder a watchdog reset was triggered.	
0x1719	Dig. Enc.: Protocol Fault	0	An error while communicating with the encoder occurred.	Fault environment contains the code of the fault that occurred.
0x1720	Dig. Enc.: Elec. Name Plate	0	An error while communicating with the electronic typeplate occurred.	The electronic typeplate is faulty or not existent. Fault environment contains the code of the fault that occurred.
0x1721	Dig. Enc.: Overspeed	0	The encoder detected an overspeed.	
0x1722	Dig. Enc.: Sender Current	0	The transmitter current is within a critical range.	
0x1723	Dig. Enc.: Overtemperature	0	The encoder temperature is within a critical range.	
0x172A	SSI Error-Bits (Low)	0	Error bit of SSI encoder according to SSI: Error-/Extra-Bits (Low) 1269 is set.	Check objects "SSI: Error-/Extra-Bits (low)". Check encoder and wiring.
0x172B	SSI Error-Bits (High)	0	Error bit of SSI encoder according to SSI: Error-/Extra-Bits (High) 1270 is set.	Check objects "SSI: Error-/Extra-Bits (high)". Check encoder and wiring.

*)Holding Time in [s]: Time to be wait until fault can be acknoledged

Fault List JM-2xxx (FW-0.09.51)

0x2004	BDM Driver Frame Corrupt	0	Disturbed internal communication.	Check your EMC installation.
0x2005	BDM Initialisation	0	Error while initialisating BDM.	
0x2006	BDM EEPROM	0	Error in BDM EEPROM detected.	
0x2007	BDM Unexpected Reset	0	Unexpected Reset occured on BDM	
0x2008	BDM No Application	0	No BDM application found.	
0x200C	BDM Restart Required	0	A restart of the BDM is required.	
0x2100	Systembus Slave Err	0	Systembus slave is in fault state.	
0x2200	Systembus SyncTO	0	The SYNC telegram was not received in the expected time.	
0x2201	Systembus PdoTO1	0	The RxPDO1 telegram was not received in the expected time.	
0x2202	Systembus PdoTO2	0	The RxPDO2 telegram was not received in the expected time.	
0x2203	Systembus PdoTO3	0	The RxPDO3 telegram was not received in the expected time.	
0x2714	Communication Loss PLC	0	Communication to fieldbus master was lost.	
0x2730	OS_Sync Lost	0	Synchronisation to communication module was lost.	
0x2731	OS_PdoTO	0	PDO was not received in the configured cycle time.	
0x2732	OS_Communication Watchdog	0	command word was not written in the speicified time	
0x2740	Fieldbus Operational Left	0	The fieldbus left the operational state.	Check if the Fieldbus Master was stopped.
0x2741	Comm CM/IO Fault	0	Error while communicating with communication module.	
0x2742	Comm CM/IO Exception	0	Communication module reached exception state. Inverter reset is required.	
0x2745	CM Update Running	0	Update of communication module is running. Please wait.	
0x2746	CM Update Error	0	Update of communication module failed.	
0x2750	Comm CM/IO Frame Corrupt	0	Communication between CBO and communication module is disturbed.	

*)Holding Time in [s]: Time to be wait until fault can be acknoledged

0x2798	OEM Data Handling	0	Problems while handling encoder data storage	

*)Holding Time in [s]: Time to be wait until fault can be acknoledged