

Name	Cause(s)	Error Code
Over Current	When the VFD output current exceeds the rated current by more than approximately 200% during the motor locked or reduced in speed. Protection circuit activates, halting VFD output.	oC
Short Circuit	The VFD output was short-circuited. This condition causes excessive current for the VFD, so the VFD output is turned off.	oC or SC
Motor Overload	When the VFD output current causes the motor to overload, the electronic thermal trip in the VFD cuts off the VFD output.	EtH
VFD Overload	The power IGBT is protected from over heat. The operating time of VFD is 1 minute with 150% load of HD or 120% load of ND. The operating time is changed depending on carrier frequency, load, ambient temperature and power rating.	IoLt
DC link Over Voltage	If regenerative energy from the motor or the main power supply voltage is high, the protective circuit activates to cut off the VFD output when the voltage of DC link exceeds the specification	ov
DC link Under Voltage	When input voltage drops below the low-voltage detection level, the control circuit does not function normally. So when the input voltage is below the specification, the VFD output is cut off.	Lv
EEPROM Error	The VFD output is cut off when EEPROM in the VFD has an error due to external noise, excessive temperature rise, or other factor	E2PE
Communication Error	Communication error between VFD and its operator. If the Reset signal persists for more than 4 seconds, it will occur.	CE
IGBT Over Temperature	When the temperature in the main circuit increases due to cooling fan stop, the VFD output is cut off. (only for the model type with cooling fan)	ot
Input Phase Loss	A function that detects phase loss in the input AC source. Detection is performed using the fluctuation in the main circuit's DC voltage. Also, in the case of degradation of main capacitors it could be occurred.	PF
Ground Fault	When ground fault is detected on running condition, the output is cut off.	GF
Fan Fault	The Fan fault is indicated when the fan is not rotated	FF
OVS control fail	The OVS output frequency is higher than maximum OVS output frequency during the setting time when the OVS function is enabled	ovSF
External Event	When the external equipment or unit has an error, the VFD receives the corresponding signal and cuts off the output.	EE1~EE5
Safety input trip	When the terminal of safety has opened	SAFE
System Overload Detection Fault	The output current of the drive is greater than the detection level set for this feature when it enabled	oLdt
System Underload Detection Fault	The output current of the drive is less than the detection level set for this feature when it enabled	uLdt
Braking Resistor Overload Trip	When DBR exceeds the duty cycle of the braking resistor this fault will occur. The circuit is designed to calculate and protect the braking resistor from thermally overheating	brot
Day of use Limited Trip	Day of use Limited Trip	dL