

6. Troubleshooting

Power supply alarm

No.	LED display	Alarm name	CV	CR	Alarm details	Reset
60	0	Instantaneous power failure	●	●	A drop in the 24VDC power was detected.	PR
61	1	Power module overcurrent	●	●	The power module's overcurrent protection function activated.	PR
62	2	Frequency error	●	●	The input power frequency exceeded the specified range.	PR
63	3	Auxiliary regeneration error	●	●	The auxiliary regenerative transistor is still ON.	PR
65	5	Rush relay error	●	●	The rush resistance short-circuit relay does not turn ON.	PR
67	7	Phase failure	●	●	There is a phase failure in the input power.	PR
68	8	Watch dog	●	●	The system is not operating normally.	AR
69	9	Ground fault	●	●	The motor power cable is contacting FG (ground).	PR
6A	A	External contactor melting	●	●	The external contactor's contact has melted.	PR
6B	b	Rush relay melted	●	●	The rush resistance short-circuit relay does not turn OFF.	PR
6C	C	Main circuit error	●	●	An abnormality was detected in the main circuit capacitor's charging operation.	PR
6D	d	Parameter error	●	●	The power supply unit's capacity is not appropriate for the regenerative resistor type set with the parameters.	PR
6E	E	Memory error	●	●	An error was detected in the internal memory.	AR
6F	F	Power supply error	●	●	The power supply is not connected, or an error was detected in the power supply's A/D converter. This is detected simultaneously if another power supply alarm occurs.	AR
71	H	Instantaneous power failure/ external emergency stop	●	●	An instantaneous power failure occurred.	NR
73	J	Over-regeneration	●	●	The over-regeneration detection level exceeded 100%. The regenerative resistor is in the overload state.	PR
74	t	Regenerative resistor overheat	●	●	The temperature protection function in the regenerative resistor activated.	PR
75	L	Overvoltage	●	●	The main circuit PN bus voltage exceeded the tolerable value.	NR
76	n	External emergency stop setting error	●	●	The rotary switch setting for the external emergency stop does not match the parameter setting.	AR
77	n	Power module overheat	●	●	The power module's temperature protection function activated.	AR

(Note 1) If a power supply alarm (60 to 77) occurs, all servos will stop with the dynamic brakes, and all spindles will be stop with the coast to a stop.

(Note 2) "b", "C" and "d" displayed on the power supply unit's LED as a solid light (not flickering) do not indicate an alarm.