



Function code	Functional Description	Setting range	Factory value	Change
F7-09	Cumulative running time	0h~65535h	-	٠
F7-10	Product Number	-	-	•
F7-11	Software version number	-	-	•
F7-12	Load speed display decimal point number	0: 0 decimal places 1: 1 decimal place 2: 2 decimal places 3: 3 decimal places		Å
F7-13	Cumulative power-on time	0h~65535h	-	٠
F7-14	Cumulative power consumption	0 to 65535 degrees	-	•
F7-15	Function code modification properties	0: Editable 1: Unmodifiable	0	\$
	F8 G	roup Auxiliary function parameter group		
F8-00	Jog operation frequency	0.00Hz~Maximum frequency	2.00Hz	\$
F8-01	Jog acceleration time	0.0s~6500.0s	20.0s	\$
F8-02	Jog deceleration time	0.0s~6500.0s	20.0s	\$
F8-03	Acceleration time 2	0.0s~6500.0s	Model confirmation	\$
F8-04	Deceleration time 2	0.0s~6500.0s	Model confirmation	\$
F8-05	Acceleration time 3	0.0s~6500.0s	Model confirmation	
F8-06	Deceleration time 3	0.0s~6500.0s	Model confirmation	
F8-07	Acceleration time 4	0.0s~6500.0s	Model confirmation	
F8-08	Deceleration time 4	0.0s~6500.0s	00.0s Model confirmation	
F8-09	Hop frequency 1	0.00Hz~Maximum frequency	0.00Hz	
F8-10	Hop frequency 2	0.00Hz~Maximum frequency	0.00Hz	☆
F8-11	Jump frequency amplitude	0.00Hz~Maximum frequency	0.01Hz	\$
F8-12	Forward and reverse dead time	0.0s~3000.0s	0.0s	\$
F8-13	Reverse control enable	0: Allow 1: Prohibited	0	\$
F8-14	The set frequency is lower than the lower limit frequency Operation Mode	0: Run at the lower frequency limit 1: Shutdown 2: Zero speed operation	0	
F8-15	Droop control	0.00Hz~10.00Hz	0.00Hz	☆
F8-16	Set the cumulative power-on arrival time	0h~65000h	0h	\$

Function code	Functional Description	Setting range	Factory value	Change
F8-43	Scheduled running time selection	0: F8-44 setting 1: VI Analog input range corresponds to F8-44	0	\$
F8-44	Scheduled running time	0.0Min~6500.0Min	0.0Min	\$
F8-45	VI input voltage protection value lower limit	0.00V~F8-46	3.10V	\$
F8-46	VI input voltage protection value upper limit	F8-45~10.00V	6.80V	\$
F8-47	Module temperature reaches	0°C~100°C	75°C	\$
F8-48	Cooling fan control	0: Fan runs during operation 1: The fan is always running	0	ф.
F8-49	Wake-up frequency	Sleep frequency (F8-51) ~ maximum frequency (F0- 10)	0.00Hz	Å
F8-50	Wake-up delay time	0.0s~6500.0s	0.0s	\$
F8-51	Sleep frequency	0.00Hz~Wake-up frequency (F8-49)	0.00Hz	\$
F8-52	Sleep delay time	0.0s~6500.0s	0.0s	\$
F8-53	The arrival time of this operation is set Certainly	0.0Min~6500.0Min	0.0Min	Å
	I	F9 Group PID Parameters	1	
F9-00	PID given source	0: F9-01 setting 1: VI 5: Communication setting 6: Multi-segment instruction setting	0	4
F9-01	PID value given	0.0%~100.0%	50.0%	4
F9-02	PID feedback source	0: VI 5: Communication setting	0	Å
F9-03	PID action direction	0: Positive effect 1: Counteraction	0	\$
F9-04	PID given feedback range	0~65535	1000	Å
F9-05	Proportional gain Kp1	0.0~100.0	20.0	\$
F9-06	Integration time Ti1	0.01s~10.00s	2.00s	\$
F9-07	Derivative time Td1	0.000s~10.000s	0.000s	☆
		f frequency 0.00~Maximum frequency		

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Function code         Functional Description         Setting range         Factory value         Change           F9-28         PID shutdown calculation         0: Stop and do not operate 1: Operation during shutdown         1         ±           FA Group         Protection and Fault Parameter Group         FA Group         For protection and Fault Parameter Group         ±	Function code     Functional Description     Setting range     Factory value     Change       FD group multi-speed and simple PLC parameter group       FD-00     Multi-segment instruction 0     -100.0%~100.0%     0.0%     :	Function code     Functional Description     Setting range     Factory value     Change       FD-52     Multi-segment instruction 3 setting mode     0: Function code FD-03 given     1: VI     3: Planel potentiometer setting     0     :       FD-52     Multi-segment instruction 3 setting mode     5: PIID     0     :     :	Fault Generation         Fault type         Troubleshooting           1         The Ignature cateral circulate is short-circulated         1. Eliminate peripheral faults	Fault Generation         Fault type         Troubleshooting         Troubleshooting measures           Err18         Current detection barrier         1. Check if the Hall device is abnormal         1. Replace the Hall device           Err19         Motor tuning failure barrier         1. The motor parameters are not set according to the nameplate         1. Set the motor parameters correctly according to the nameplate           Err19         Motor tuning failure barrier         1. The motor parameters are not set according to the nameplate         1. Set the motor parameters correctly according to the nameplate

Function code	Functional Description	Setting range	Factory value	Change	Function cod	e
		0: Stop and do not operate				
F9-28	PID shutdown calculation	1: Operation during shutdown	1	\$		
	FA Gro	up Protection and Fault Parameter Group			FD-00	
		0: Disable		-	FD-01	
FA-00	Motor overload protection selection	1: Allow	1	*	FD-02	
FA-01	Motor overload protection gain	0.20~10.00	1.00	*	FD-03	-
FA-02	Motor overload warning factor	50%~100%	80%	*	ED 04	-
FA-03	Overvoltage stall gain	0~100	20	<u>4</u>	10-04	_
FA-04	Overvoltage stall protection voltage	120%~150%	135%	<u>4</u>	FD-05	
FA-05	Overcurrent stall gain	0~100	20	÷	FD-06	
FA-06	Over-current stall protection current	100%~~200%	170%	*	FD-07	
14.00		0: Invalid	17070	^	FD-08	
FA-07	Power-on short-circuit protection selection	1: Valid	1	\$	FD-09	-
54.00	Quarturrant sunnression enable	0: Disable			ED 10	-
FA-08		1: Allow	0	X	PD-10	_
FA-09	Fault automatic reset times	0~20	0	\$	FD-11	
FA-10	Fault during automatic fault reset	0: No action	0	<u>Å</u>	FD-12	
	MO action selection	1: Action			FD-13	
FA-11	Fault automatic reset interval	0.1s~100.0s	1.0s	\$	FD-14	-
FA-13	Output phase loss protection selection	0: Disable 1: Allow	1	\$	ED-15	-
FA-14	First failure type		_	•		-
FA-15	Second failure type	See fault code table	_	•	FD-16	
FA-16	The third (most recent) failure		-	•	1010	
	The third (most recent) failure			$\left  \right $		-
FA-17	Time frequency	-	_	•		
FA-18	The third (most recent) failure	_	_	•	FD-17	
	Current The third (most recent) failure					
FA-19	Bus voltage	-	_	•		
FA-20	The third (most recent) failure	_	_		50.10	_
	Input terminal status				FD-18	_
FA-21	Output terminal status	-	-	•	FD-19	
	The third (most recent) failure			$\left  \right $	FD-20	-
FA-22	Inverter status	-	-	•		_
EA 22	The third (most recent) failure				FD-21	
rA-23	Power-on time	-	_	•	FD-22	-
FA-24	The third (most recent) failure	_	_			_

Function code	Functional Description	Setting range	Factory value	Change
	FD group multi-speed a	nd simple PLC parameter group		
FD-00	Multi-segment instruction 0	-100.0%~100.0%	0.0%	☆
FD-01	Multi-segment instruction 1	-100.0%~100.0%	0.0%	\$
FD-02	Multi-segment instruction 2	-100.0%~100.0%	0.0%	☆
FD-03	Multi-segment instruction 3	-100.0%~100.0%	0.0%	효
FD-04	Multi-segment instruction 4	-100.0%~100.0%	0.0%	☆
FD-05	Multi-segment instruction 5	-100.0%~100.0%	0.0%	☆
FD-06	Multi-segment instruction 6	-100.0%~100.0%	0.0%	☆
FD-07	Multi-segment instruction 7	-100.0%~100.0%	0.0%	☆
FD-08	Multi-segment instruction 8	-100.0%~100.0%	0.0%	\$
FD-09	Multi-segment instruction 9	-100.0%~100.0%	0.0%	☆
FD-10	Multi-segment instruction 10	-100.0%~100.0%	0.0%	\$
FD-11	Multi-segment instruction 11	-100.0%~100.0%	0.0%	☆
FD-12	Multi-segment instruction 12	-100.0%~100.0%	0.0%	☆
FD-13	Multi-segment instruction 13	-100.0%~100.0%	0.0%	☆
FD-14	Multi-segment instruction 14	-100.0%~100.0%	0.0%	☆
FD-15	Multi-segment instruction 15	-100.0%~100.0%	0.0%	☆
FD-16	Simple PLC operation mode	0: Stop after a single run 1: Keep the final value after a single run 2: Keep looping	0	ά
FD-17	Simple PLC power-off memory selection	Units: Power-off memory selection 0: No memory after power failure 1: Power-off memory Tens: Stop memory selection 0: No memory when stopping 1: Shutdown memory	00	Å
FD-18	Simple PLC 0th stage running time	0.0s(h)~6500.0s(h)	0.0s(h)	\$
FD-19	Simple PLC 0th stage acceleration and deceleration time selection select	0~3	0	Å
FD-20	Simple PLC first stage running time	0.0s(h)~6500.0s(h)	0.0s(h)	☆
FD-21	Simple PLC first stage acceleration and deceleration time selection select	0~3	0	Å
FD-22	Simple PLC second stage running time	0.0s(h)~6500.0s(h)	0.0s(h)	☆
FD-23	Simple PLC second stage acceleration and deceleration time selection select	0~3	0	\$

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Function code	Functional Description	Setting range	Factory value	Chan
FD-52	Multi-segment instruction 3 setting mode	0: Function code FD-03 given 1: VI 3: Panel potentiometer setting 5: PID 6: Preset frequency (F0-08) Fixed, UP/DOWN can be modified	0	☆
FD-53	Multi-segment instruction 6 setting mode	0: Function code FD-06 given 1: VI 3: Panel potentiometer setting 5: PID 6: Preset frequency (F0-08) given , UP/DOWN can be modified	0	<u>ż</u>
FD-54 Multi-segment instruction 9 setting mode 5: PID 6: Preset Fixed, UP/T		0: Function code FD-09 given 1: VI 3: Panel potentiometer setting 5: PID 6: Preset frequency (F0-08) Fixed, UP/DOWN can be modified	0	Ŕ
FD-55	Multi-segment instruction 12 setting mode	0: Function code FD-12 given 1: VI 3: Panel potentiometer setting 5: PID 6: Preset frequency (F0-08) Fixed, UP/DOWN can be modified	0	\$
	FE group torque contr group	ol and optimization parameter	•	
FE-15	DPWM switching upper limit frequency	0.00Hz~15.00Hz	12.00Hz	Ŕ
FE-16	PWM modulation method	0: Asynchronous modulation 1: Synchronous modulation	0	☆
FE-17	Dead zone compensation mode selection	0: No compensation 1: Compensation mode 1 2: Compensation mode 2		\$
FE-18	Random PWM Depth 0: Random PWM is invalid 1–10: PWM carrier frequency random depth		0	\$
FE-19	Fast current limit enable	0: Disable 1: Enable	1	☆
FE-20	Current Sense Compensation	0~100	5	\$
FE-22	Undervoltage point setting	60.0%~140.0%	80.0%	\$
	FF group fa	ctory parameter group		

Fault Generation	Fault type	Troubleshooting	Troubleshooting measures
Err01	Inverter unit protection Protection	The inverter output circuit is short-circuited     The inverter output circuit is short-circuited     Should overheating     A. The internal wiring of the inverter is loose     Shain control bard abnormality     Chrier board abnormality     T. Inverter module abnormality	Eliminate peripheral faults     Install a reactor or output filter     Install a reactor or output filter     Scheck whether the air duct is blocked and the fan is     check whether is working properly and eliminate any     problems     Seek technical support     Seek technical support     Seek technical support
Err02	Accelerating overcurrent	The inverter output circuit is grounded or shart Circuit     The acceleration time is too short     S. Manual torque boost or V/F     Curve No suitable     Subtract the rotating motor     S. Start the rotating motor     The inverter is too small	Eliminate peripheral faults     Increase the acceleration time     Adjust manual lifting torque or V/F song Wire     Adjust the voltage to the normal range     Select speed tracking start or wait for the motor Stop and restart     C. Cancel sudden load     Choose a frequency converter with a higher power rating
Err03	Deceleration overcurrent	The inverter output circuit is grounded or Shot Circuit     The decleration time is too short     Shot Datage     Sudden load during deceleration     S. No brake unit and brake motor installed     Nestance	Eliminate peripheral faults     Increase the deceleration time     Adjust the voltage to the normal range     Cancel sudden load     S. Install brake unit and resistor
Err04	Constant speed overcurre	The inverter output circuit is grounded or Short Circuit     Z. Low voltage     J. Si there any sudden load during operation?     4. The inverter is too small	Eliminate peripheral faults     Adjust the voltage to the normal range     Cancel sudden load     Choose a frequency converter with a higher power     rating
Err05	Accelerating overvoltage	Input voltage is too high     Input voltage is too high     There is an external force dragging the motor during     Acceleration.     Machine operation     Acceleration time is too short     4. No brake unit and brake motor installed     Restance	Adjust the voltage to the normal range     C. Cancel the additional power or add brake power     Restance     A. Increase acceleration time     4. Install brake unit and resistor

Fault Generation	Fault type	Troubleshooting	Troubleshooting measures
	Current detection	1. Check if the Hall device is abnormal	1. Replace the Hall device
Err18	barrier	2. Driver board abnormality	2. Replace the driver board
Err19	Motor tuning failure barrier	The motor parameters are not set according to the nameplate     Parameter identification process timeout	1. Set the motor parameters correctly according to the nameplate 2. Check the leads from the inverter to the motor
Err21	EEPROM Read and write failure	1. EEPROM chip is damaged	1. Replace the main control board
	Inverter Hardware	1. Overvoltage exists	1. Overvoltage fault handling
Err22	Fault	2. Overcurrent	2. Handle according to overcurrent fault
Err23	Short circuit to ground barrier	1. The motor is short-circuited to ground	1. Replace the cable or motor
Err26	Cumulative running time Arrival Failure	1. The cumulative running time reaches the set value	1. Use the parameter initialization function to clear the memory Recording Information
Err29	Cumulative power-on tin Arrival Failure	e 1. The cumulative power-on time reaches the set value	<ol> <li>Use the parameter initialization function to clear the memory Recording Information</li> </ol>
Err30	Load drop fault	1. The inverter operating current is less than FA-64	1. Check if the load is detached or FA-64. FA-65 Whether the parameter setting is in accordance with t actual Operating conditions
	Runtime PID		1. Check PID feedback signal or settings
Err31	Feedback loss	1.PID Feedback is less than the setting value of	F9-26
	barrier	1310	For a suitable value
Err40	Wave-by-wave current limi	1. Is the load too large or is the motor blocked? ting change	1. Reduce the load and check the motor and machine Condition
		2. The inverter is too small	2. Choose a frequency converter with a higher power rating
F==41	Runtime switch	1. During the operation of the inverter,	1. Switch off the motor after the inverter stops.
EIT41	Motor failure	Change the current motor selection	Change operation