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Farbe: 720-380V-7.5KW

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Übersicht

Berichtpunkt

Benötigen Sie Anweisungen, hinterlassen Sie mir eine Nachricht oder WhatsApp 8618211937028
Eingang 220V einphasig, Ausgang 0-240V 3-Phasen
Eingang 380V 3-Phasen, Ausgang 0-380V 3-Phasen

Beschreibung: Dieser Frequenz umrichter besteht aus hochwertigem Schalen material, hitze beständig und flamm hemmend. Human isierter

anzupassen, die Stabilität erheblich verbessert. Durch die Optimierung der PWM-Steuerungstechnologie und der elektromagnetischen Kompatibilität erfüllt es die Anforderungen der Benutzer an geräuscharme, geringe elektro magnetische Störungen. Über Strom, über Spannung, über Hitze, Überlastung, unter Spannung, intelligenter Leistungs moduls chutz. Einfach zu bedienen und Draht. Schnelle Start-und Stopp reaktion, großes Drehmoment bei niedriger Geschwindigkeit. Spezifikation: Anwendungs bereich: Universal-Strom versorgung Phrase: Einzel phrase Nennstrom: 8a Nennspannung: AC220V (einzelne Phrase) Strom versorgungs spannung: Niederspannung geeignete Motor leistung: 1,5 kW geeigneter Motortyp: für 3-Phasen-Motorfilter: keine Gleichstrom versorgung: Strom typ Steuer methode: V/f offene Schleife Ausgangs spannung einstellbare Methode: PWM-Steuerung

2.Technical Index and Specification

2.1 Technical Index and Specification

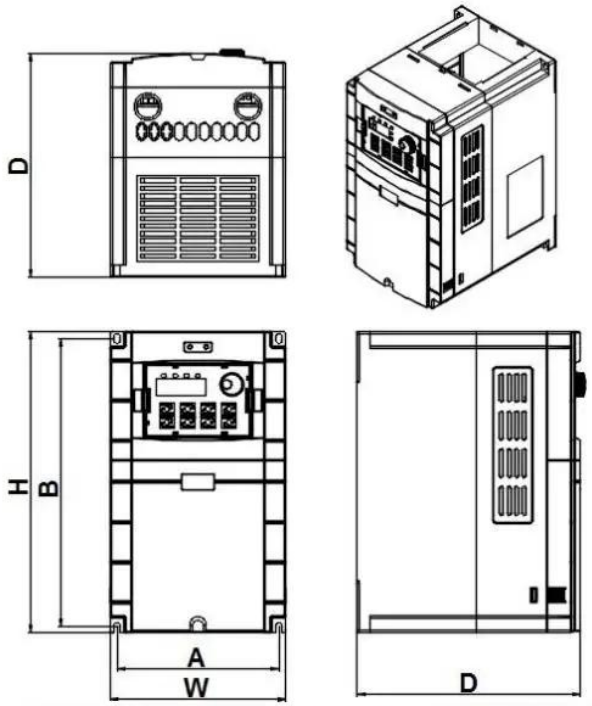
Input	Rated Voltage,	3-phase（4T#sereis）380V;50/60HZ 1-phase（2S#series）220V;50/60HZ	
	Allowed Voltage	3-phase（4T#series）320V～460V 1-phase（2S#series）160V～260V	
Output	Voltage	4T#series; 0～460V 2S#series; 0～260V	
	frequency	Low frequency mode: 0～300HZ ; High frequency mode: 0～3000HZ	
	Overload	G type: 110% for long-term, 150% for 1 min, 180% for 5s P type: 105% for long-term, 120% for 1 min, 150% for 1s	
Control Mode		V/F control, advanced V/F control, V/F separation control, electric current vector	
Control Character	Frequency Setting Resolutio	Analog Input	0.1% of maximum output frequency
		Digital Setting	0.01 Hz
	Frequency	Analog Input	Within 0.2% of maximum output frequency
		Digital Setting	Within 0.01% of set output frequency
	V/F Control	V/F Curve (voltage frequency character)	Reference frequency setting 5~600 Hz, multipoint V/F curve setting, or fixed curve of constant torque, low decreasing torque 1, low decreasing torque 2, square torque
		Torque Compensation	Manual setting: 0.0~30% of rated output Automatic compensation: according to output current and motor parameter
		Automatic Current-limiting and Voltage-limiting	During acceleration, deceleration or steady running, detect automatically the current and voltage of motor stator, and control it within bounds based on unique algorithm, minimize fault-trip chance
	Senseless Vector Control	Voltage Frequency	Adjust pressure/frequency ratio according to motor parameter and unique algorithm
		Torque Character	Starting torque: 3.0 Hz 150% rated torque (VF control) 0.5 Hz 180% rated torque (SVC, FVC) 0.05 Hz 180% rated torque (VC) Operating speed precision in steady state: ≤± 0.5% rated synchronous speed Torque response: ≤50ms VC, SVC, FVC ≤20ms
		Motor Parameter Self-measurement	Being able to detect parameter automatically under static state and dynamic state of motor, thus guarantee an optimum control.
		Current and Voltage Restrain	Current closed-loop control, free from current impact, perfect restrain function of overcurrent and overvoltage
	Undervoltage Restrain during	Specially for users with a low or unsteady voltage power grid: even lower than the allowable voltage range, the system can maintain the longest possible operating time based on its unique algorithm and residual energy allocation	
Typica	Multi-velocity and Traverse	16 segments programmable multi-velocity control, multiple operation mode. Traverse operation: preset frequency and center frequency adjustable, parameter memory and recovery after power cut.	

	PID Control RS485 Communication		Built-in PID controller (able to preset frequency). Standard configuration RS485 communication function, multiple communication protocol for choice, synchronizing control function.	
	Frequency Setting		Analog Input	Direct voltage 0~10V, direct current 0~20mA (optional up limit and lower limit)
			Digital Input	Operation panel setting, RS485 port setting, UP/DW terminal control, or combined with analog input
	Output Signal		Digital Input	2 channel OC output and one channel relay output (TA, TB, TC), up to 16 choices
			Analog Input	2 channel analog signal output, output ranging within 0~20mA or 0~10V with flexibly setting, achievable output of physical quantities like set frequency, output frequency
	Automatic Steady-voltage Operation		Dynamic steady state, static steady state, and unsteady voltage for choices to obtain the steadiest operation	
	Acceleration and		0.1s~3600min continuous setting, S type and linear type mode for choice	
	Time Setting			
	Brake	**Dynamic**	Dynamic braking initial voltage, backlash voltage and dynamic braking continuous adjustable	
		DC Braking	Halt DC braking initial frequency: 0.00~[F0.16] upper limit frequency Braking time: 0.0~100.0s; Braking current: 0.0%~150.0% of rated current	
		Flux Restrai	0~100 0: invalid	
	Low Noise Running		Carrier frequency 1.0kHz~16.0kHz continuous adjustable, minimize motor noise	
	Speed Tracking and Restart		Smooth restart during operation, instantaneous stop and restart	
	Counter		A built-in counter, facilitate system integration	
	Operation Function		Upper limit and lower limit frequency setting, frequency hopping operation, reversal running restraint, slip frequency compensation, RS485 communication, frequency control of progressive increase and decrease, failure recovery	
Display	**Oper a**	**Running State**	Output frequency, output current, output voltage, motor speed, set frequency, module temperature, PID setting, feedback, analog input and output.	

		Alarm	The latest 6 faults record; running parameters record when the latest fault tripping happens including output frequency, set frequency, output current, output voltage, DC voltage4 and module temperature.
Protective Function			Overcurrent, overvoltage, undervoltage, module fault, electric thermal relay, overheat, short circuit, default phase of input and output, motor parameter adjustment abnormality, internal memory fault, etc.
Environment	**Ambient Temperatu**		-10℃~+40℃ (please run the VFD in derated capacity when ambient temperature is 40℃
	Ambien t		5%~95%RH, without condensing drops
	Surroundings		Indoors (without direct sunlight, corrosive or flammable gas, oil fog and dust)
	Altitude		Running in derated capacity above 1000m, derate 10% for every 1000m rise.
Structure	**Protecti on Level**		IP20
	Coolin g		Air cooling with fan control
Installation			Wall-hanging type, cabinet type

2.2 Chassis and keyboard dimensions

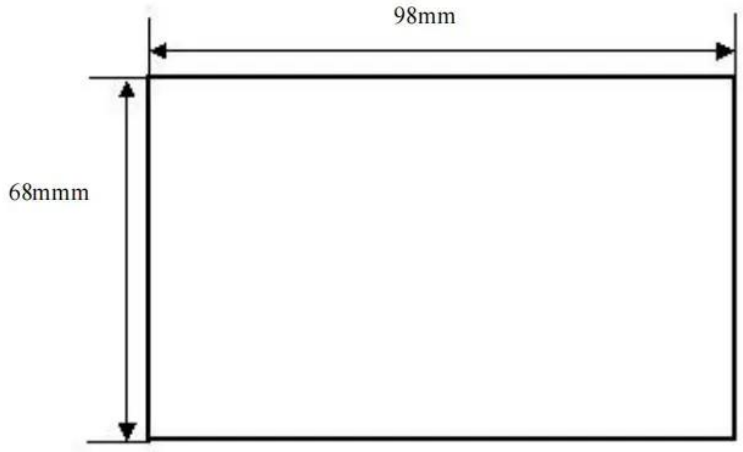
Chassis size:



FigureD-1 Frequency converter 0.75KW~315KWexternal dimensions

Model	A (mm)	B (mm)	H (mm)	W (mm)	D (mm)	Mounting hole (mm)
	Installation size		Peripheral dimension			
0.75KW-2.2KW	89	140	151	100	133	5
4.0KW-7.5KW-11KW	131	229	239	140	177	5
15KW-22KW	189	306	320	205	205	6
30KW-37KW	235	447	463	285	228	8
45KW-55KW	235	485	510	320	248	8
75KW-110KW	240	635.5	655	377	267	8

Keyboard installation dimensions:



External keyboard installation dimensions (open - hole dimensions)

2.3 Rated current output table

Voltage	single - phase	three - phase	
	220V	220V(240V)	380V(415V)
PowerKW)	current A)	current (A)	current (A)
0.4	2.3	2.3	-
0.75	4	4	2.1
1.5	7	7	3.8
2.2	9.6	9.6	5.1
4	17	17	8.5

5.5	25	25	13
7.5	-	-	16
11	-	-	24
15	-	-	32
18.5	-	-	36
22	-	-	44
30	-	-	58
37	-	-	70
45	-	-	90
55	-	-	110
75	-	-	152
93	-	-	172
1 10	-	-	205
132	-	-	253
160	-	-	304
200	-	-	380
220	-	-	426
250	-	-	465
280	-	-	520
315	-	-	585
355	-	-	650
400	-	-	725
450	-	-	820

2.4 Selection of braking resistor

Voltage (V)	Converter power (KW)	Brake resistor specification		braking torque
		W	Ohm	10%ED
Single - phase 220 series	0.4	80	200	125
	0.75	80	150	125
	1.5	100	100	125
	2.2	100	70	125
	4.0	300	50	125
Three - phase 220 series	0.75	150	110	125
	1.5	250	100	125
	2.2	300	65	125
	4	400	45	125
	5.5	800	22	125
	7.5	1000	16	125
Three - phase 380 series	0.75	100	750	125
	1.5	300	400	125
	2.2	300	250	125
	4	400	150	125
	5.5	500	100	125
	7.5	1000	75	125
	11	3000	43	125
	15	3000	32	125
	18.5	3000	25	125
	22	4000	22	125
	30	5000	16	125
	37	6000	13	125
	45	6000	10	125
	55	6000	10	125
	75	7500	6.3	125

Voltage (V)	Converter power (KW)	Brake resistor specification		braking torque
		W	Ohm	10%ED
	93	9000	9.4/2	125
	110	11000	9.4/2	125
	132	13000	6.3/2	125
	160	16000	6.3/2	125
	200	20000	2.5	125
	220	22000	2.5	125
	250	25000	2.5/2	125
	280	28000	2.5/2	125
	315	32000	2.5/2	125
	355	34000	2.5/2	125
	400	42000	2.5/3	125
	450	45000	2.5/3	125

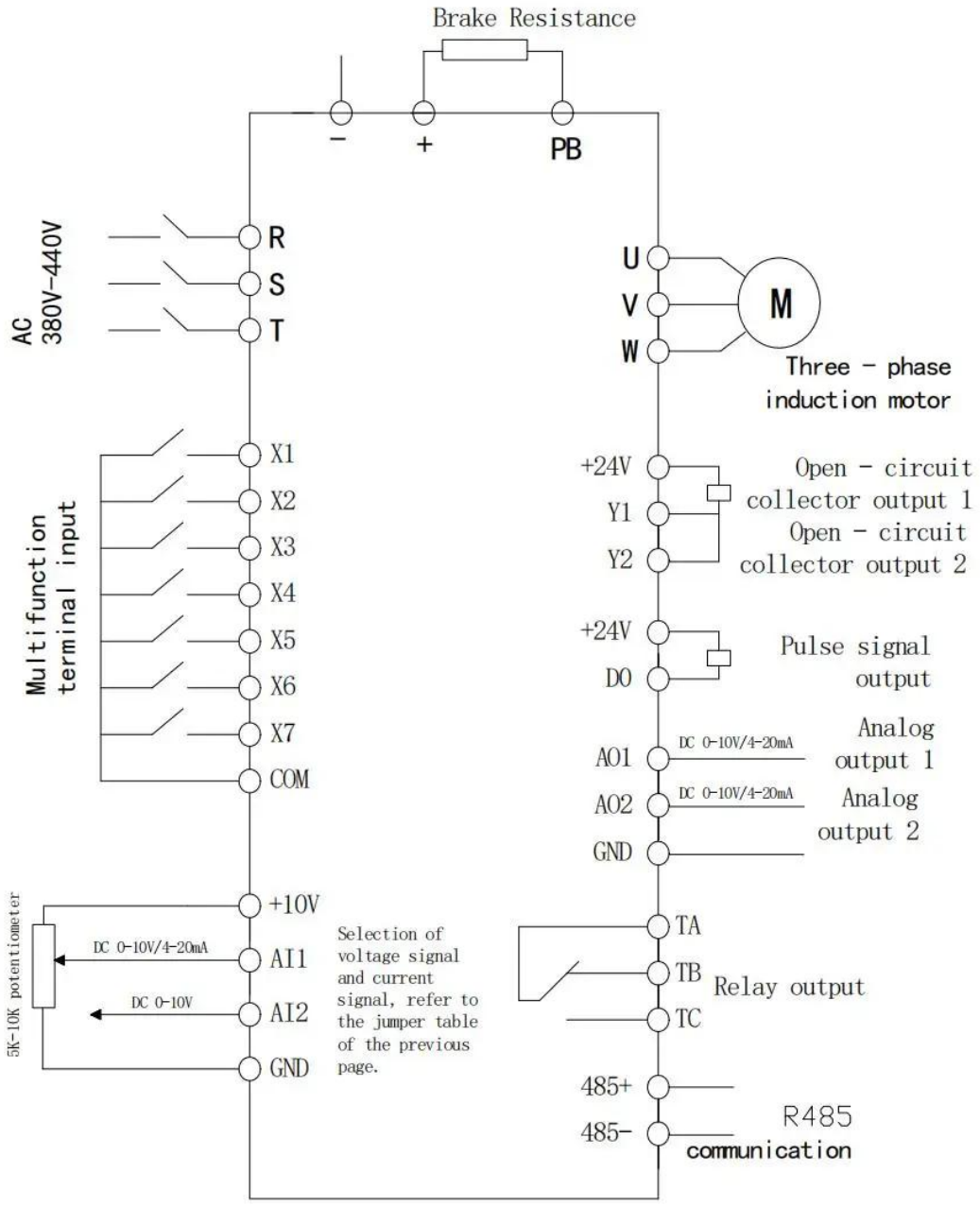
Note:

1. please select the resistance value specified by the company.
2. if the brake resistance provided by the company is used, and causes the frequency converter or other equipment to be damaged, the company shall not bear any responsibility.
3. the installation of brake resistance must consider the safety of the environment, flammability, distance frequency converter at least 100 mm.
4. the parameters in the table are for reference only and not as standard.

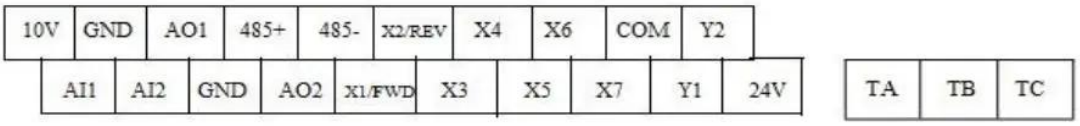
3.Basic Running Wiring

3.1 Basic wiring diagram

The wiring parts of VFD include major loop and control loop. Open the cover of I/O terminals, users can see the major loop terminal and control loop terminal, and must conduct the wiring according to the following diagram.



3.2 Terminal of control loop



3.3 Control Loop Terminal Function Table

Functional Specification of Control Loop Terminal			
Category	Terminal	Functions	Specification
Multi-functional Digital Input Terminal	X1	Effective when short circuit between(X1、X2、X3、 X4、X5、X6、X7、X8)～COM, and the functions are set by parameters F4.00～F4.06 (common port: COM)	INPUT, 0～24V level signal, low level effective, 5mA.
	X2		
	X3		
	X4		
	X5		
	X7		
	X6	X6 can work as one of the multi-functional terminals, also as high-speed pulse input terminal with programming, see F4.06.	
Digital Output Terminal	Y1	Multi-functional programmable collector open circuit output channel 2, can be programmed as DO terminal of various functions (common port: COM)	OUTPUT,maximum load current≤50mA.
	Y2		
Analog Input/Output Terminal	AI1	Can be programmed as impulse output terminal of various functions as many as 13 kinds (common port: COM). See F5.06. AI1 receives voltage/current input. Jumper CN4 (for jumper terminal AI1) can select voltage or current input mode, and voltage input is the default one. For current input, just short the middle and another pin with the jumper cap. AI 2 only receives voltage input. Measuring range setting is function code F4.13～F4.21. (reference ground: GND)	OUTPUT, output frequency range F5.15 ～ F5.18, set maximum frequency as high as 50KHz. INPUT, input voltage range: 0～10V (input impedance: 100KΩ), input current range 0 ～ 20mA (input impedance: 500Ω).
	AI2		
	AO1	AO1 is able to output analog voltage/current (total 13 kinds of signals). Jumper CN3 (for jumper terminal AO1) can select voltage or current ouput mode, and voltage output is the default one. For current output, just short the middle and another pin with the jumper cap. AO2 can only provide analog voltage output. See F5.04, F5.05. (Reference ground: GND)	OUTPUT, 0 ～ 10V DC voltage. Output voltage of AO1, AO2 came from PMW waveform of CPU. Output voltage is in direct proportion to the width of PWM waveform.
	AO2		
	TA1/TA2		TA-TB: normal close; TA-TC:

	TB1/TB2 TC1/TC2		
Power Port	+24V	24V is the common power for circuits of all digital signal input terminals.	Maximum output current 200mA

▲ Control terminal AI1 can input both voltage and current signal, while AI2 can only input voltage signal; users can conduct corresponding jumper on master control board according to signal type.

▲ Connecting week analog signal is easily affected by external disturbance. So wiring should be as short as possible. The external control line should be set with isolating device or shielding line, and should be grounded.

▲ Input order signal line and frequency meter should be wired separately with shielding, and away from major loop wiring.

▲ Control loop wiring should be over 0.75 mm^2, and STP (shielded twisted pair) is recommended. The connecting part of

control loop terminals should be enameled with tin, or process metal joint with cold pressing.

▲ While connecting analog signal output devices, malfunction may occur because of interference from VFD, which can be solved by fixing with capacitor or ferrite bead to the analog signal output device.

3.4 Dial Switch

JP2	
OFF	The resistance of the matching on the 485 communication is not connected
ON	The resistance of the matching on the 485 communication is connected
JP3	
Cin	Represents AI1 input current signal, 4 - 20mA
Vin	Represents AI1 input voltage signal, 0 - 10v
JP4	
Vo1	Represents the AO1 output voltage signal, 0 - 10v
Co1	Represents AO1 output current signal, 4 - 20mA
JP5	
AO2	The AO2 / DO2 AO2 is effective and the output voltage signal is output
DO	The do is valid for the AO2 / DO, and the output pulse signal is output
JP7	
Vo2	The output voltage signal of the AO2 is 0 - 10 v
Co2	Represents the AO2 output current signal, 4 - 20mA

3.5 Wiring Notices

① Cut off the input power of VFD while dismantling and changing the motor.

② Switching of motor or work frequency power supply should only be conducted when the VFD stops output.

③ To reduce the effect of EMI (electromagnetic interference), add a surge absorber when electromagnetic connector and relay are close to VFD.

④ Do not connect AC input power to output terminal U, V, W of VFD.

⑤ Add an isolating device to the external control line or use shield line.

⑥ Input order signal line should be wired separately with shielding, and away from major loop wiring.

⑦ When carrier frequency is less than 4kHz, keep the distance between VFD and motor within 50m; when carrier frequency exceeds 4kHz, make an appropriate reduction of the distance, and better lay the wire in metal tube.

⑧ When adding peripherals (filters, reactors, etc.) to the VFD, check the ground resistance with 1000V tramegger and ensure the value is above 4 MΩ.

⑨ Do not add phase advance capacitor or RC snubber to the U, V, W terminal of VFD.

⑩ If the VFD starts frequently, do not cut off the power, use the COM/RUN of control terminal to conduct start and stop so as not to damage the rectifier bridge.

The earth terminal must be grounded reliably (grounding impedance should be under 100 Ω) to avoid accidents, or there might be electric leakage.

Choose the wire diameter according to national electrical code while conducting major loop wiring.

Spare Circuit

It may cause big downtime loss or other accidental failure during VFD failure or tripping. Adding spare circuit is recommended under this circumstance to ensure safety. Note: confirm and test the operation characteristic of the spare circuit in advance to ensure the working frequency and the phase sequence of converted frequency are agreed.

4.Operation and display

4.1 Operating panel

4.2 Operation Panel Keys

Key	Name	Function Description
PRG	programming /escape key	Enter or escape from programming
ENTER	Enter key	Enter into sub-menu items or confirm data.
▲	Increase key	Data or function code increase (speed up the increasing rate by keeping pressing the key)
▼	Decrease key	Data or function code decrease (speed up the decreasing rate by keeping pressing the key)
▶	shift/monitor key	Choose the bit of the data which is to be set and modified when the VFD is in edit status; switch monitor parameter to be shown when the VFD is in other modes.
RUN	Run key	Enter into run mode under keypad model.
STOP/RESET	stop/reset key	In common run status the VFD will be stopped according to set mode after press this key if run command channel is set as keyboard stop effective mode. The VFD will be reset and resume normal stop status after pressing this key when the VFD is in malfunction status.
MF.K	Function key	According to the setting of function parameter FE.01, jog or reverse run, and frequency clearance is available when pressing this key under keypad mode.

4.3 LED and Indicator Light Description:

Item			Function Description
Display Function	Digital Display		Display current run status parameter and set parameter.
	LED Indicator	Hz, A, V	isplayed physical quantity unit (current A, voltage V, frequency Hz)
		ALM	Alarm indicator light, indicate that the VFD is in over current or over voltage suppressing status or failure alarm status currently.
		FWD	This indicator light turns green when the VFD is in forward running status.
		REV	This indicator light turns red when the VFD is in reverse running status.
		REMOTE	Remote control indicator.
LED Indicator	A		Current displayed parameter is current with unit of A, LED indicator light A
	V		Current displayed parameter is voltage with unit of V, LED indicator light V
	Hz		Current displayed parameter is frequency with unit of Hz, LED indicator light Hz is on
	%		Current displayed parameter is percentage, LED indicator light Hz and V are on
	r/min		Current displayed parameter is rotational speed, LED indicator light Hz and A are on
	m/s		Current displayed parameter is linear velocity, LED indicator light V and A are on
	℃		Current displayed parameter is temperature, LED indicator light V, A and Hz are on

5.Function Code

○—modifiable parameter under any condition
×—not modifiable parameter under run status
◆—the actual detected parameter, not modifiable
◇—factory parameter, only modifiable for factory, not allowed for users modifying

Function Code	Name	Set Range	Factory Default	Modification
F0 Group - Basic Run Parameters				
F0.00	VFD type	0：G type（constant torque load type） 1：P type（fan, water pump load type） Note 1 set as P type, and the VFD parameters will refresh automatically, without modifying any parameter the VFD can be used as inverter of higher grade for application of fan and water pump. Note2：can not be initialized, please modify it manually.	0	×
F0.01	Control mode	0: common V/F control (manually torque boost) 1：advanced V/F control (automatically torque boost) 2：open loop current vector control (SVC) 3：separatd type V/F control Note 1：choose control method 3(closed loop current vector control),input terminal X6 can only be used for ordinary terminal, not for high-speed pulse input. Note2:this parameter can not be initialized, please modify it manually.	Depending on model	×
F0.02	Operation command channel	0：operation panel run command channel 1：terminal run command channel 2：communication run command channel	0	○
F0.03	Main frequency source A	0：digital set 1 (keypad ▲/▼ key,) 1：digital set 2 (terminal UP/DOWN) 2：AI1 analog set (0～10V/20mA) 3：AI2 analog set (0～10V) 4： panel Potentiometer 5：pulse set (0～50KHZ) 6：multistage speed run set 7：easy PLC set 8：PID control set 9：digital set 3 (communication set)	0	○
F0.04	Main frequency source B	0：digital set 1 (keypad ▲/▼ key,) 1：digital set 2 (terminal UP/DOWN) 2：AI1 analog set (0～10V/20mA) 3：AI2 analog set (0～10V) 4： panel Potentiometer 5：pulse set (0～50KHZ) 6：multistage speed run set 7：easy PLC set 8：PID control set 9：digital set 3 (communication set)	2	○

Spezifikationen

ist individuell	Ja	Ausgangs-Frequenz	0-30000HZ

Modellnummer	Variable Frequency Drive	Art	DC/AC Inverter

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Kundenbewertungen (6)

5.0

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4 Sterne	0
3 Sterne	0
2 Sterne	0
1 Sterne	0

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★★★★★ 26 Jan 2024

Color:720-380V-7.5KW Ships From:CHINA s***r

Versand, Lieferung ist schnell, Verpackung ist großartig! Es gibt eine Kontroll stange, 5 *!!! Ich werde die Arbeit einchecken, die ich zusätzlich schreiben werde! Ich brauche noch 11 kW Ich werde bestellen!



Zusätzliches Feedback 26 Jan 2024

Ich überprüfte das aufmerksam, es stellte sich heraus, dass der Verkäufer mir einen Wechsel richter für 103 Dollar schickte und ihn für 142 Dollar senden musste!!!! Natürlich werde ich nicht zurückkehren, aber ich wollte bekommen, was ich bestellt habe! Wird beim Empfang vorsichtiger sein! Hat nicht sofort aufgepasst. Ich war froh, dass ich es bekam. Ich habe dem Verkäufer den Gefallen getan, mal sehen, was er antwortet!

Hilfreich(2)

★★★★★ 27 Dec 2023

Color:720-380V-11KW Ships From:CHINA M***v

Ich habe noch nicht überprüft, aber das Gewicht ist groß, es scheint, dass es wirklich 11 kW ist


Hilfreich(1)

★★★★★ 30 Jan 2024

Color:320-380V-11KW Ships From:brazil T***s

Großer Verkäufer kam schnell in aus gezeichnetem Zustand an, den ich empfehle


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