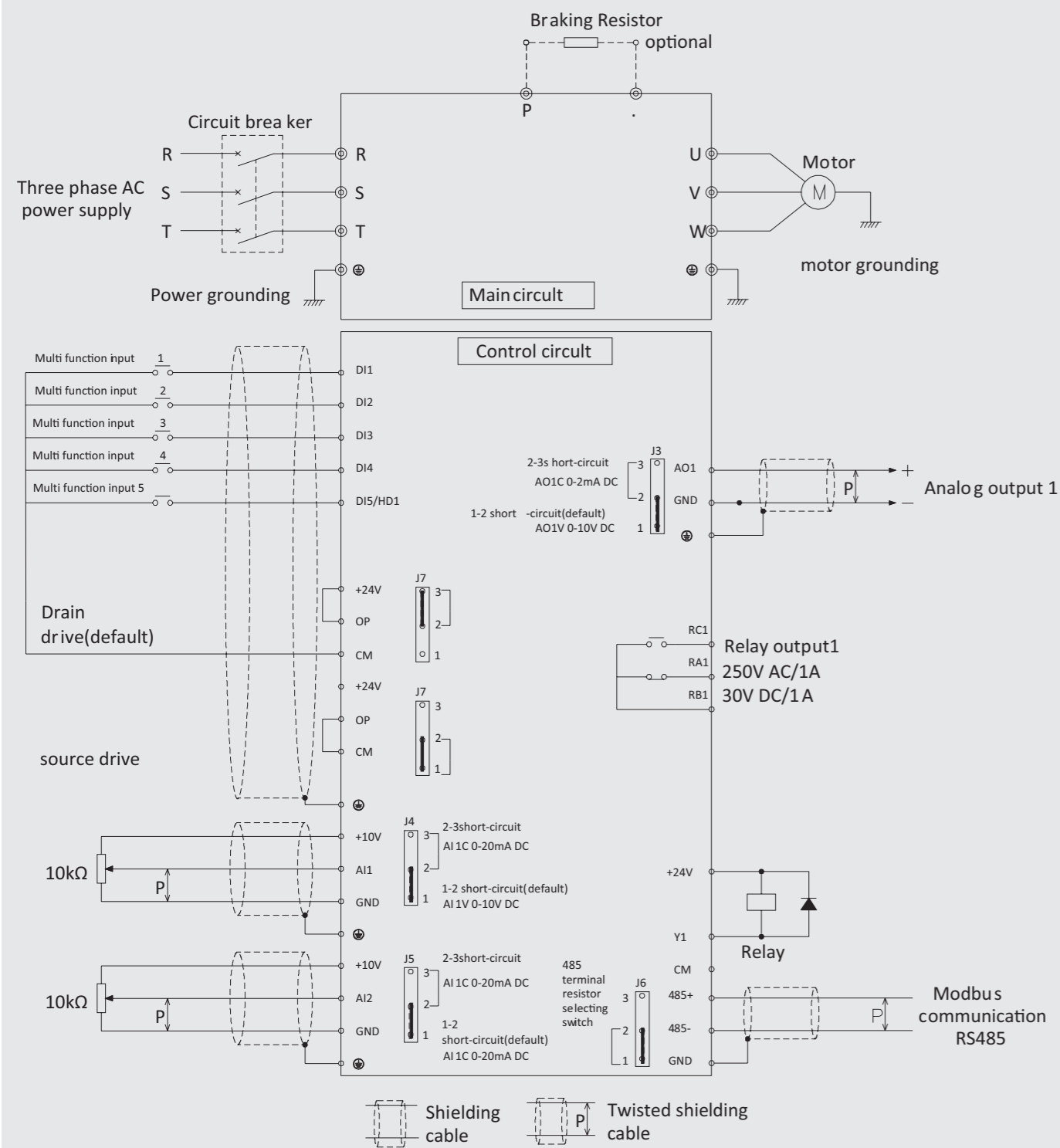


CONNECTION DIAGRAM



SINUS MINI Inverter



SINUS MINI Inverter

SANTERNO

مشخصات فنی

Item	Specifications	
Power	Voltage frequency	single-phase 220V, 50/60Hz, three-phase 380V 50/60Hz
	Allowable fluctuation	voltage : ± 15%, frequency : ± 5%
	Frequency range	0-600Hz
Control performance	Output frequency precision	The maximum frequency value ±0.1%
	Output frequency resolution	Operate keyboard top and bottom keys : 0.01Hz Potentiometer analog input: 0.2Hz
	Run command given mode	The keyboard is given; the external terminal is given; the serial port is given by the host computer
	carrier frequency	2.0-12.0KHz
	Torque boost	0~20.0% adjustable, optional v/f curve optional
	Overload capacity	150% rated output current 1 minute, 180% rated output current 2 second
	Acceleration and deceleration time	0.1~3600 second
	Rated output voltage	Using the power supply voltage compensation function, the motor rated voltage is 100%, which can be set in the range of 50-100% (the output can not exceed the input voltage)
	AVR adjustment function	When the network voltage fluctuates, the output voltage fluctuation is very small and almost constant V/F
	Standard feature	PID control, acceleration and deceleration time is adjustable, variable deceleration mode, carrier frequency, torque, current limiting, power off, restart, jump frequency control, lower frequency running, multi speed, swing frequency, RS485, analog output, fault slip compensation, automatic reset
Braking	Energy consumption braking, DC braking	
Frequency setting input	Keyboard digital setting, external terminal AI1 (0-10V/0-20mA switchable), AI2 (0-10V/0-20mA switchable), RS485 and signal combination and terminal selection	
Signal feedback input	External terminal AI1 (0-10V/0-20mA switchable), AI2 (0-10V/0-20mA switchable), RS485	
Input instruction signal	Start, stop, reverse, inching, multi segment speed, free parking, reset, acceleration and deceleration time selection, frequency setting, channel selection, external fault alarm, etc.	
External output signal	Relay output, collector output, 0-10V output, 4-20mA output	
Protective function	Overvoltage, undervoltage, overcurrent, current limit, overload, overheating, electronic thermal overload relay, overvoltage stall, data protection, etc.	

SINUS MINI Inverter

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Item	Specifications	
Display	Four digit display (LED)	15 kinds of parameters, such as frequency setting, output frequency, output voltage, output current, motor speed, output torque, digital value terminals, program menu parameters and 33 kinds of Fault codes
	indicator lamp (LED)	Run/stop status, etc.
Operating environment	Environment	Inside, low than 1000m, free from dust, corrosive gas and direct sunlight
	Ambient temperature	-10°C~+40°C (bare machine -10°C~+50°C), 20%~90%RH(no condensing)
	Vibration	less than 0.5g
	Storage temperature	-25°C~+65°C
Installation	Wall mounted or surface mounted inside a cabinet	
Protection class	IP20	
Cooling	forced air cooling	

SINUS MINI 0001 2S

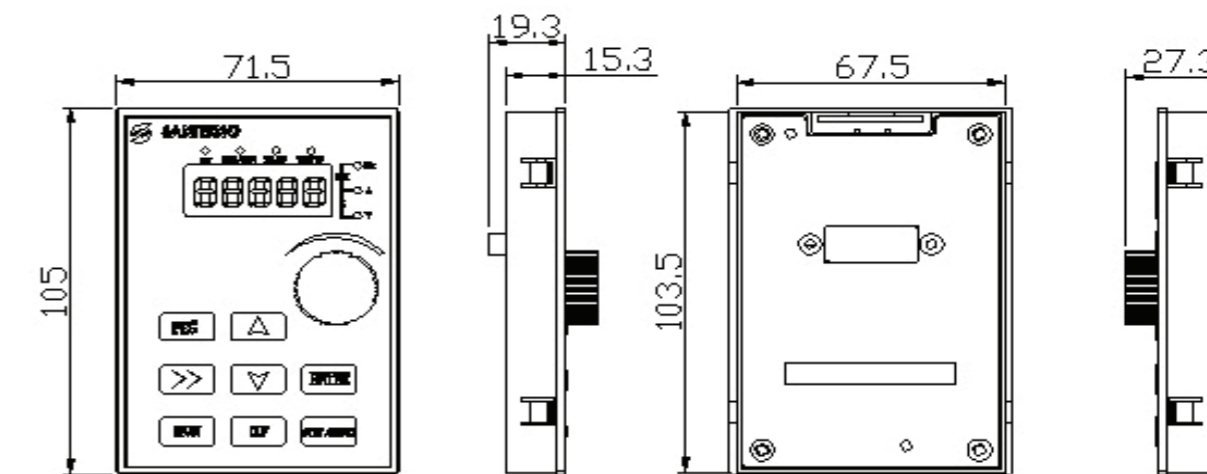
Inverter Series		Code	Inverter Type
Code	Motor	2S	Single phase 220V
0001	0.4KW	2T	Three-phase 220V
		4T	Three-phase 380V



SINUS MINI Inverter

SANTERNO

The shape and mounting dimensions of the operating panel (unit: mm)



Keyboard SINUS MINI

Rear View of Keyboard

Voltage Level	Inverter model	outline construction and installation dimension (mm)						Weight (kg)
		W	H	D	W1	H1	Mounting hole d	
Single phase 220v	SINUS-0001 2S	78	188	126	55	178	4	1.5
	SINUS-0002 2S	96	225	137	65	215	4	2
	SINUS-0003 2S	78	188	126	55	178	4	1.5
Three -phase 220v	SINUS-0001 2T	78	188	126	55	178	4	1.5
	SINUS-0002 2T	96	225	137	65	215	4	2
	SINUS-0003 2T	78	188	126	55	178	4	1.5
Three -phase 380V	SINUS-0001 4T	78	188	126	55	178	4	1.5
	SINUS-0002 4T	96	225	137	65	215	4	2
	SINUS-0003 4T	78	188	126	55	178	4	1.5
Three -phase 460V	SINUS-0004 4T	96	225	137	65	215	4	2
	SINUS-0005 4T	78	188	126	55	178	4	1.5
	SINUS-0006 4T	96	225	137	65	215	4	2
Three -phase 5T	SINUS-0002 5T	78	188	126	55	178	4	1.5
	SINUS-0003 5T	96	225	137	65	215	4	2
	SINUS-0004 5T	78	188	126	55	178	4	1.5
	SINUS-0005 5T	96	225	137	65	215	4	2
	SINUS-0006 5T	78	188	126	55	178	4	1.5