

Model			SRK50ZS-W		
Item			Indoor unit SRK50ZS-W	Outdoor unit SRC50ZS-W	
Power source			1 Phase, 220 - 240V, 50Hz / 220V, 60Hz		
Operation data	Nominal cooling capacity (range)		kW		5.0 (1.3 (Min.) - 5.5 (Max.))
	Nominal heating capacity (range)		kW		5.8 (1.3 (Min.) - 6.6 (Max.))
	Heating capacity (H2)		kW		—
	Power consumption	Cooling	kW	1.35 (0.29 - 1.80)	
		Heating		1.56 (0.25 - 1.98)	
		Heating (H2)		—	
	Max power consumption				2.68
	Running current	Cooling	A	6.2 / 5.9 / 5.7 (220/ 230/ 240V)	
		Heating		7.2 / 6.9 / 6.6 (220/ 230/ 240V)	
	Inrush current, max current				7.2 / 6.9 / 6.6 (220/ 230/ 240V) Max. 14.5
	Power factor	Cooling	%	99	
		Heating		99	
	EER	Cooling		3.70	
	COP	Heating		3.72	
		Heating (H2)		—	
Sound power level	Cooling	dB(A)	59	61	
	Heating		60	63	
Sound pressure level	Cooling		Hi: 46 Me: 36 Lo: 29 ULo: 22	51	
	Heating		Hi: 46 Me: 37 Lo: 31 ULo: 24	52	
Silent mode sound pressure level				—	Cooling:43 / Heating:45
Exterior dimensions (Height x Width x Depth)		mm	290 x 870 x 230		595 x 780(+62) x 290
Exterior appearance (Equivalent color : Munsell, RAL)			Fine snow (Pure white) (8.0Y 9.3/0.1) , (9003)		Stucco white (4.2Y 7.5/1.1) , (7044)
Net weight		kg	10.0		36.0
Compressor type & Quantity			—		9RS102XDA21(Rotary type) x 1
Compressor motor (Starting method)		kW	—		1.50 (Inverter driven)
Refrigerant oil (Amount, type)		ℓ	—		0.32 (FW50S)
Refrigerant (Type, amount, pre-charge length)		kg	R32 1.05 in outdoor unit (Incl. the amount for the piping of 15m)		
Heat exchanger			Louver fins & inner grooved tubing		M fins & inner grooved tubing
Refrigerant control			Capillary tubes + Electronic expansion valve		
Fan type & Quantity			Tangential fan x 1		Propeller fan x 1
Fan motor (Starting method)		W	42 x1 (Direct drive)		24 x1 (Direct drive)
Air flow	Cooling	m³/min	Hi: 12.1 Me: 9.9 Lo: 7.4 ULo: 5.9		32.8
	Heating		Hi: 13.9 Me: 11.2 Lo: 9.1 ULo: 7.4		32.8
Available external static pressure		Pa	0		0
Outside air intake			Not possible		—
Air filter, Quality / Quantity			Polypropylene net (Washable) x 2		—
Shock & vibration absorber			Rubber sleeve (for fan motor)		Rubber sleeve (for fan motor & compressor)
Electric heater			—		—
Operation control	Remote control		Wireless-remote control		
	Room temperature control		Microcomputer thermostat		
	Operation display		RUN: Green , TIMER: Yellow		
Safety equipments			Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection(High pressure control) , Cooling overload protection		
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ 12.7 (1/2")	
	Connecting method			Flare connection Flare connection	
	Attached length of piping		m	Liquid line : 0.54 / Gas line : 0.47 —	
	Insulation for piping			Necessary (Both sides), independent	
	Refrigerant line (one way) length		m	Max.25	
	Vertical height diff. between O.U. and I.U.		m	Max.15 (Outdoor unit is higher) / Max.15 (Outdoor unit is lower)	
Drain hose			Hose connectable (VP 16)		Hole ϕ20 x 2 pcs
Drain pump, max lift height		mm	—		—
Recommended breaker size		A	20		
L.R.A. (Locked rotor ampere)		A	7.2 / 6.9 / 6.6 (220/ 230/ 240V)		
Interconnecting wires		Size x Core number	1.5mm² x 4 cores (Including earth cable) / Terminal block (Screw fixing type)		
IP number			IPX0		IPX4
Standard accessories			Mounting kit, Clean filter (Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1)		
Option parts			Interface kit (SC-BIKN2-E)		

Notes (1) The data are measured at the following conditions.

The pipe length is 5m.

Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	ISO5151-T1
Heating	20°C	—	7°C	6°C	ISO5151-H1
Heating (H2)	20°C	—	2°C	1°C	ISO5151-H2

(2) This air-conditioner is manufactured and tested in conformity with the ISO.

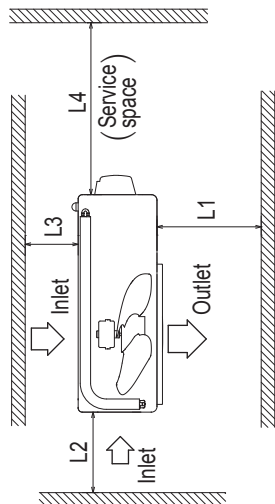
(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

(4) Select the breaker size according to the own national standard.

Model SRC50ZS-W

Notes

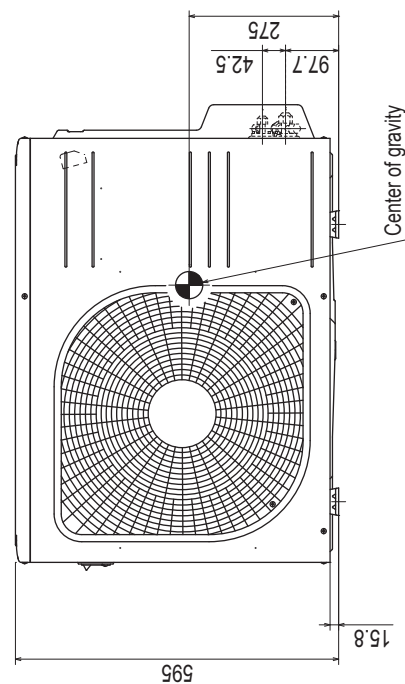
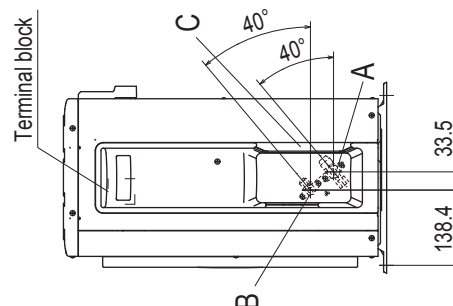
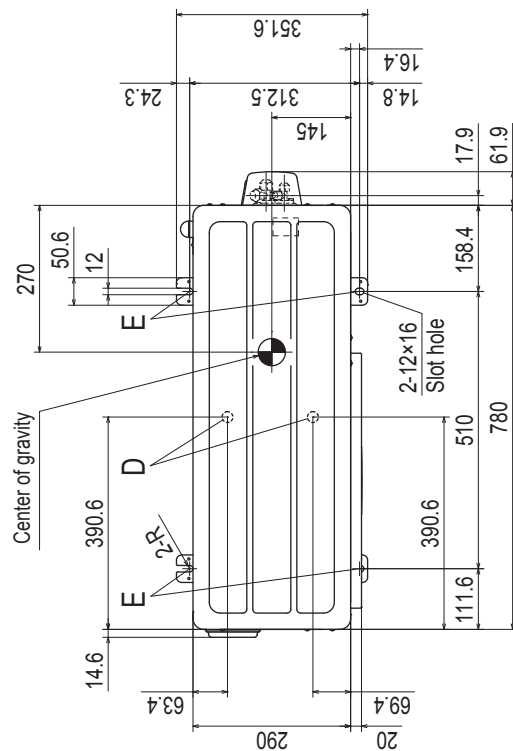
- (1) The unit must not be surrounded by walls on the four sides.
- (2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.
- (3) If the unit is installed in the location where there is a possibility of strong winds, place the unit such that the direction of air from the outlet gets perpendicular to the wind direction.
- (4) Leave 200mm or more space above the unit.
- (5) The wall height on the outlet side should be 1200mm or less.
- (6) The model name label is attached on the right side of the unit.



Installation space	
L1	280 or more
L2	100 or more
L3	80 or more
L4	250 or more

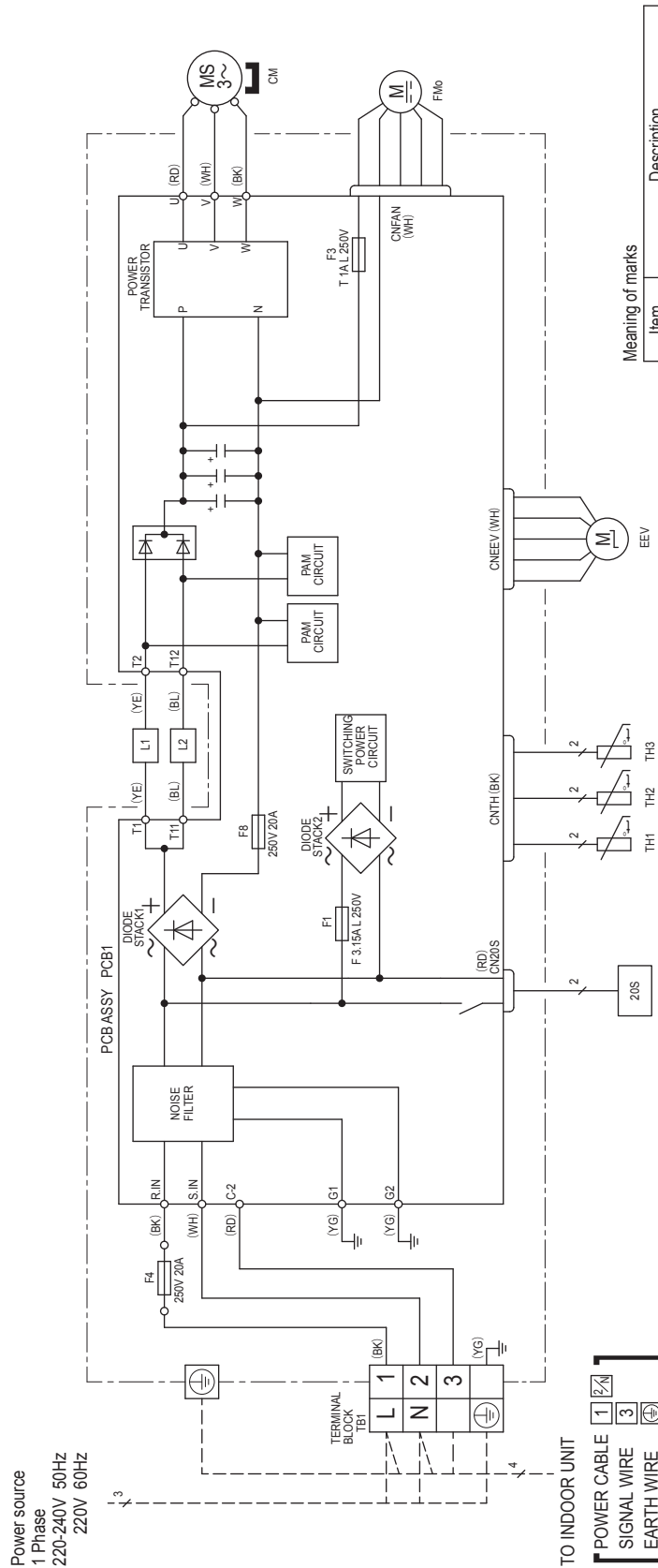
Unit:mm

Symbol	Content
A	Service valve connection (gas side) $\phi 12.7$ (1/2") (Flare)
B	Service valve connection (liquid side) $\phi 6.35$ (1/4") (Flare)
C	Pipe/cable draw-out hole
D	Drain discharge hole
E	Anchor bolt hole



RCV000Z037

Model SRC50ZS-W



Power cable, indoor-outdoor connecting wires

Model name	MAX running current (A)	Power cable wire size x number*	Power cable length (m)	Connecting cable wire size x number*
SRC50ZS-W	14.5	2.0mm ² x 3	14	1.5mm ² x 4

- * The wire numbers include earth wire (Yellow/Green).
- Switchgear or circuit breaker capacity should be chosen according to national or regional electricity regulations.
- The power cable specifications are based on the assumption that a metal or plastic conduit is used with no more than three cables contained in a conduit and a voltage drop is 2%. For an installation falling outside of these conditions, please follow the national or regional electricity regulations.

Color marks

Mark	Color
BK	Black
BL	Blue
RD	Red
WH	White
YE	Yellow
YG	Yellow / Green

Meaning of marks

Item	Description
20S	4-way valve (coil)
CN20S	Connector
CNEEV	Compressor motor
CNFAN	Electric expansion valve (coil)
CNTH	Fan motor
CM	Reactor
EEV	Heat exchanger sensor
Fmo	Outdoor air temp. sensor
L1.2	Discharge pipe temp. sensor
TH1	
TH2	
TH3	

RWC000Z316

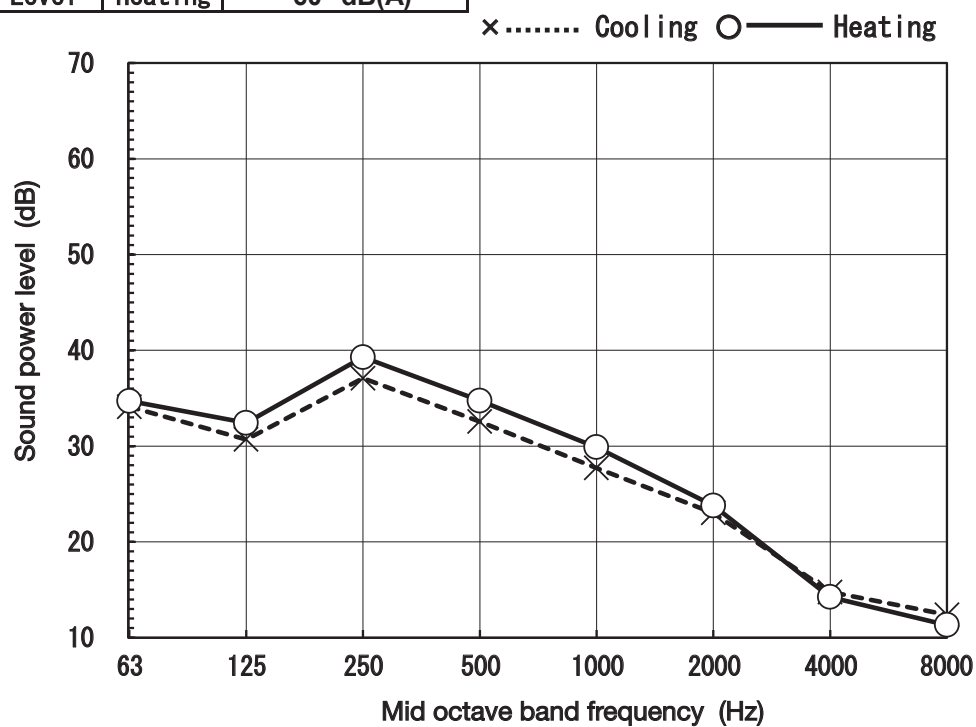
Model SRK50ZS-W, -WB, -WT

(Indoor unit)

Model	SRK50ZS-W, WB, WT	
Noise	Cooling	59 dB(A)
Level	Heating	60 dB(A)

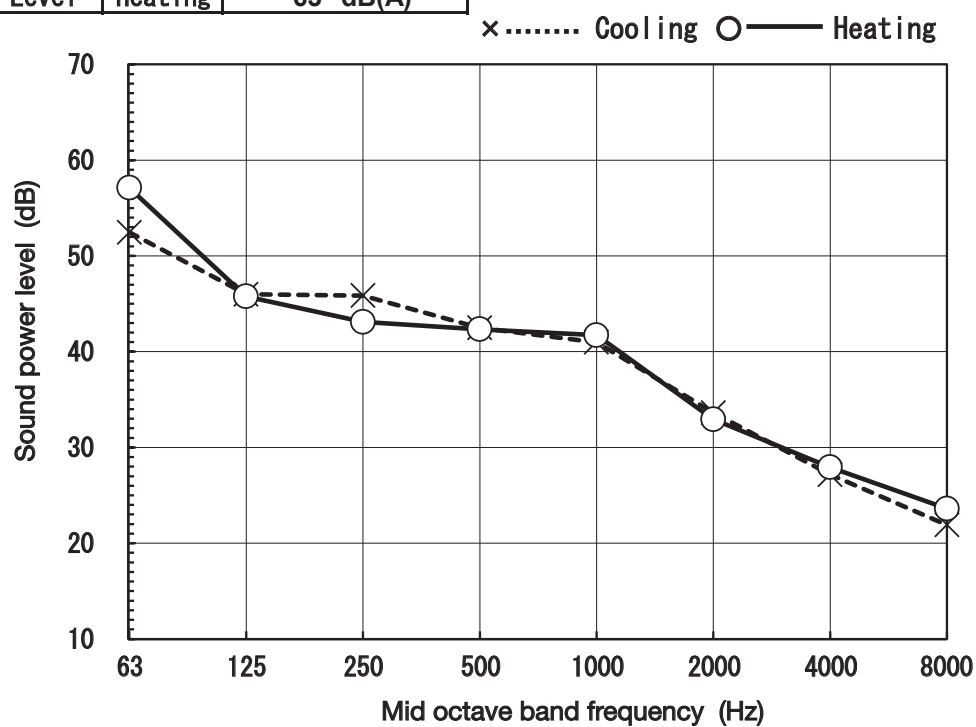
Condition	ISO5151 T1/H1
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MODE	Rated capacity value
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(Outdoor unit)

Model	SRC50ZS-W	
Noise	Cooling	61 dB(A)
Level	Heating	63 dB(A)



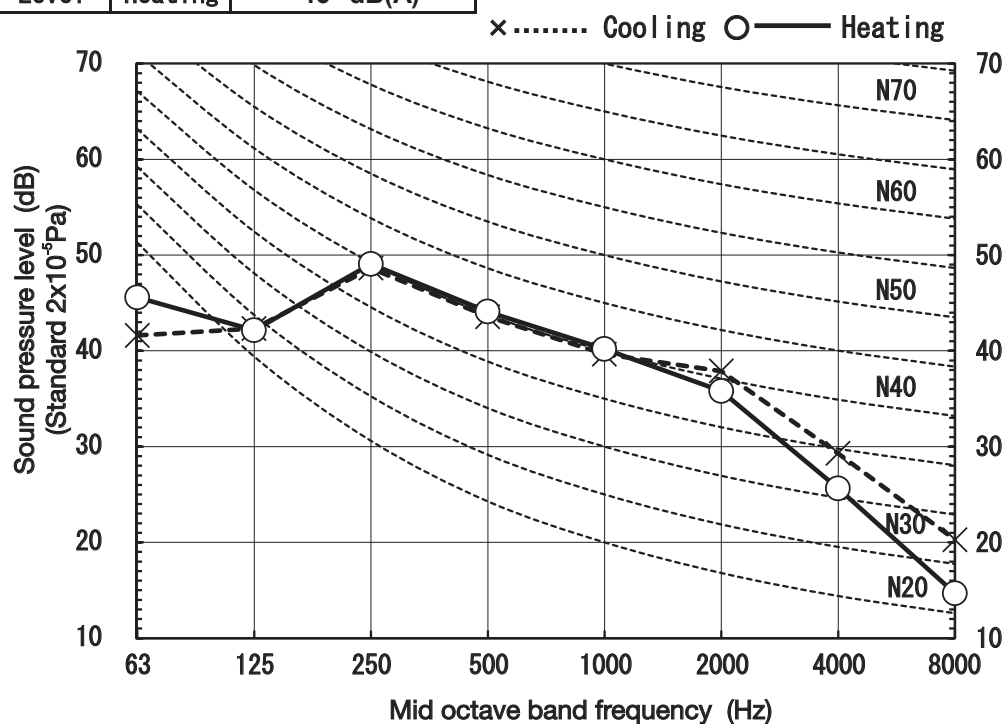
Model SRK50ZS-W, -WB, -WT

Condition	ISO5151 T1/H1
MODE	Rated capacity value

(Indoor unit)

Model	SRK50ZS-W,WB,WT	
Noise	Cooling	46 dB(A)
Level	Heating	46 dB(A)

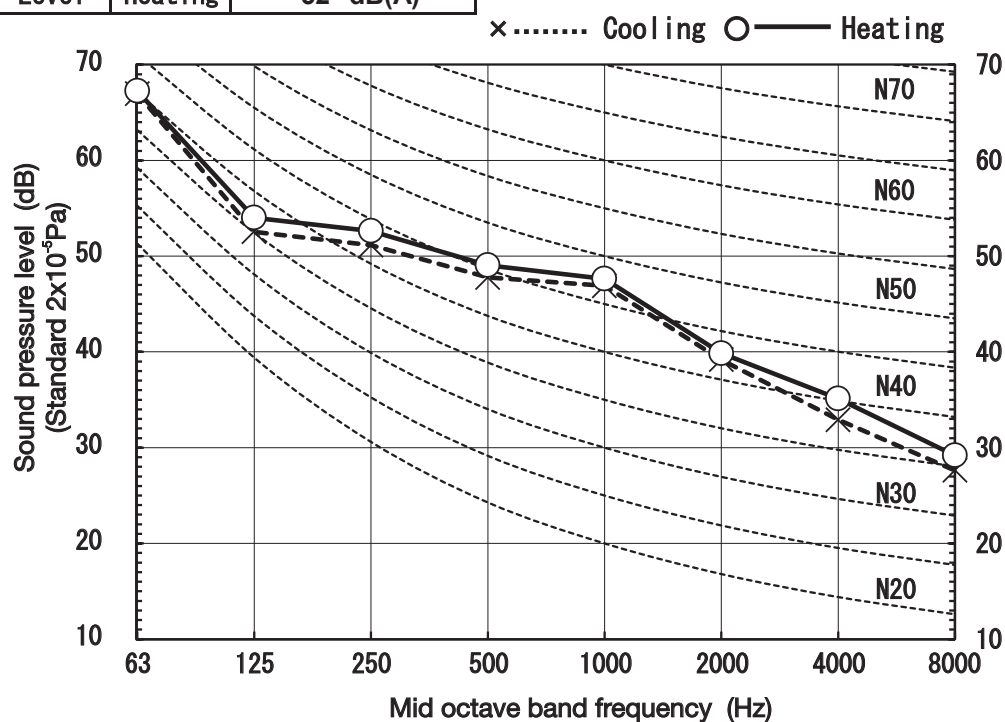
●Mike position



(Outdoor unit)

Model	SRC50ZS-W	
Noise	Cooling	51 dB(A)
Level	Heating	52 dB(A)

●Mike position: at highest noise level in position as mentioned below
Distance from front side 1m



Model SRC50ZS-W

◆ Check point of outdoor unit

⚠ **WARNING – HIGH VOLTAGE**

High voltage is produced in the control box. Don't touch electrical parts in the control box for 5 minutes after the unit is stopped.

Color symbol

Mark	Color
BK	Black
BL	Blue
RD	Red
WH	White
YE	Yellow
Y/G	Yellow/Green

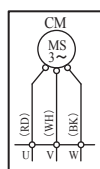
◆ Voltage check in PCB

The normal range is as follows.

Display	Voltage range
① DC280V	DC230V – DC310V
② DC 20V	DC 18V – DC 22V
③ DC 13V	DC 12V – DC 14V
④ DC 15V	DC 14V – DC 16V
⑤ DC 5V	DC 4V – DC 6V
⑥ DC 2.5V	DC 2.3V – DC 2.5V

◆ Inspection power transistor

Remove the faston terminal and test output voltage



◆ Power source and serial signal inspection

- ① to ② : AC 220/230/240V
- ① to ②/N : AC 220/230/240V
- ②/N to ③ : Normal if the voltage oscillates between DC 0 and approx. 20V

