

## 2. System Configuration and Wiring

### Specifications of Motor connector

- When the motors of <MSME (750W (400V), 1.0 kW to 5.0 kW), MDME, MFME, MGME, MHME> are used, they are connected as shown below.

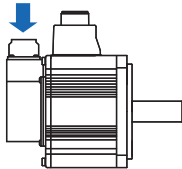
Connector: Made by Japan Aviation Electronics Industry, Ltd. (The figures below show connectors for the motor.)

#### Connector for encoder

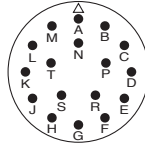
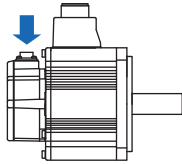
<IP65 Encoder connector for motor>

<IP67 Encoder connector for motor>

##### IP65 motor Connector for encoder (Large type)



##### IP67 motor Connector for encoder (Small type)



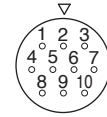
N/MS3102A20-29P

20-bit Incremental

PIN No.	Application
A	NC
B	NC
C	NC
D	NC
E	NC
F	NC
G	E0V
H	E5V
J	FG(SHIELD)
K	PS
L	PS
M	NC
N	NC
P	NC
R	NC
S	NC
T	NC

17-bit Absolute

PIN No.	Application
A	NC
B	NC
C	NC
D	NC
E	NC
F	NC
G	E0V
H	E5V
J	FG(SHIELD)
K	PS
L	PS
M	NC
N	NC
P	NC
R	NC
S	BAT-
T	BAT+



JN2AS10ML3-R

20-bit Incremental

PIN No.	Application
1	E0V
2	NC
3	PS
4	E5V
5	NC
6	NC
7	PS
8	NC
9	FG(SHIELD)
10	NC

17-bit Absolute

PIN No.	Application
1	E0V
2	NC
3	PS
4	E5V
5	BAT-
6	BAT+
7	PS
8	NC
9	FG(SHIELD)
10	NC

#### Remarks

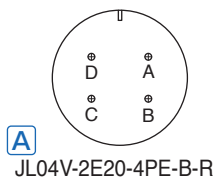
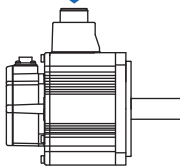
Do not connect anything to NC.

#### Connector for motor/brake

Table of Connector for motor and Connector for brake

Motor model	Motor capacity	200V		400V		Motor model	Motor capacity	200V		400V	
		with Brake	without Brake	with Brake	without Brake			with Brake	without Brake	with Brake	without Brake
MSME	750W	—	—	D	A	MFME	1.5kW	C	C	D	D
	1.0kW to 2.0kW	C	A	D	A		2.5kW, 4.5kW	D	D	D	D
	3.0kW to 5.0kW	D	B	D	B		0.9kW	C	A	D	A
MDME	400W, 600W	—	—	D	A	MGME	2.0kW to 4.5kW	D	B	D	B
	1.0kW to 2.0kW	C	A	D	A		6.0kW	E, F	E	E, F	E
	3.0kW to 5.0kW	D	B	D	B		MHME	1.0kW to 1.5kW	C	A	D
	7.5kW to 15.0kW	E, F	E	E, F	E	2.0kW to 5.0kW		D	B	D	B
						7.5kW	E, F	E	E, F	E	

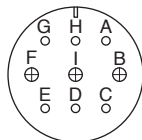
#### Connector for motor



JL04V-2E20-4PE-B-R

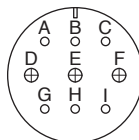
JL04HV-2E22-22PE-B-R

PIN No.	Application
A	U-phase
B	V-phase
C	W-phase
D	Ground



JL04V-2E20-18PE-B-R

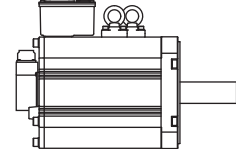
PIN No.	Application
G	with Brake: Brake without Brake: NC
H	with Brake: Brake without Brake: NC
A	NC
F	U-phase
I	V-phase
B	W-phase
E	Ground
D	Ground
C	NC



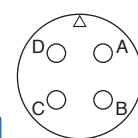
JL04V-2E24-11PE-B-R

PIN No.	Application
A	with Brake: Brake without Brake: NC
B	with Brake: Brake without Brake: NC
C	NC
D	U-phase
E	V-phase
F	W-phase
G	Ground
H	Ground
I	NC

#### Connector for motor Connector for brake



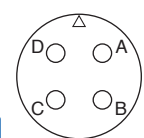
<Motor>



JL04V-2E32-17PE-B-R

PIN No.	Application
A	U-phase
B	V-phase
C	W-phase
D	Ground

<Brake>



N/MS3102A 14S-2P

PIN No.	Application
A	Brake
B	Brake
C	NC
D	NC

#### Remarks

Do not connect anything to NC.