

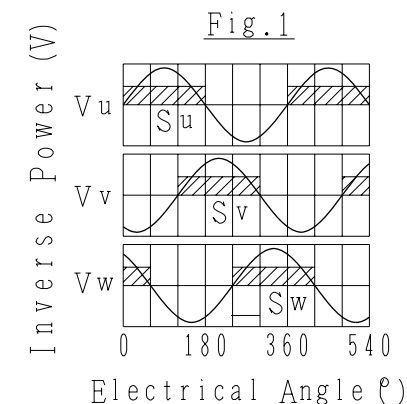
DWG.NO. DP0320604

Pin connector: 17JE-23090-02 (D8C)  
by DDK Ltd.  
The Mating Connector  
Socket connector: 17JE-13090-02 (D8C)  
Stud: 17L-002C or 17L-002C1

Plug: 350779-1 (AMP)  
Pin : 350924-1 or  
770672-1  
The Mating Connector  
Cap : 350780-1  
Socket: 350925-1 or  
770673-1

Motor terminal connection

|   |              |       |
|---|--------------|-------|
| 1 | Phase U      | Red   |
| 2 | Phase V      | White |
| 3 | Phase W      | Blue  |
| 4 | Frame ground | Green |



Hall Sensor Output Signals

When the moving coil moves in the direction indicated by the arrow in the figure, the relationship between the hall sensor output signals  $S_u, S_v, S_w$  and the inverse power of each motor phase  $V_u, V_v, V_w$  becomes as shown in the Fig.1.

Hall effect sensor terminal connection

|   |             |   |   |
|---|-------------|---|---|
| 1 | +5V (Power) | 6 | - |
| 2 | Phase U     | 7 | - |
| 3 | Phase V     | 8 | - |
| 4 | Phase W     | 9 | - |
| 5 | 0V (Power)  |   |   |

2-Screws  
#4-40 UNC

4-M4 Mounting Screws, Depth 5

Cable  
UL20276, AWG26

Cable  
UL2517, AWG25  
Name plate  
for moving coil

2x2-M4 Mounting Screws, Depth 5  
(on Both Sides)

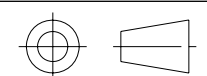
Minimum bending radius=15mm

Minimum bending radius=30mm

| Item No. | Moving Coil Model | Rated Force [N] | Peak force [N] | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8  | L9  | W   | Approx. Mass [kg] |
|----------|-------------------|-----------------|----------------|----|----|----|----|----|----|----|-----|-----|-----|-------------------|
| 1        | 30A050CP          | 12.5            | 40             | 50 | 30 | 5  | 20 | 20 | 10 | 48 | 1   | 1   | 5.9 | 0.14              |
| 2        | 30A080CP          | 25              | 80             | 80 | 50 | 15 | 25 | 30 | 25 | 72 | 4.5 | 3.5 | 5.7 | 0.19              |

Notes

- All dimensions are in mm.
- The moving coil moves in the direction indicated by the arrow when current flows in the order of phase U, V and W.
- Magnetic way could be chosen from DP0320173. Several sets of magnetic way could be connected as needed.



SCALE 1:√2



YASKAWA

株式会社 安川電機

REFERENCE ONLY

TITLE DIMENSIONS OF LINEAR MOTOR

LINEAR Σ SERIES CORELESS-TYPE, MOVING COIL

DWG. NO.

DP0320604

REV.



GROUP RELS USER R3J ID