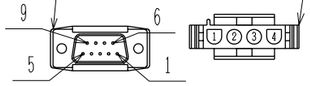
DWG.NO. DP0320610

Hall effect sensor terminal connection

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

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



Motor terminal connection

Plug: 350779-1 (AMP)
Pin: 350561-3 or
350690-3 (No.1~3)
350654-1 or
350669-1 (No.4)
The Mating Connector
Cap : 350780-1
Socket: 350570-3 or
350689-3

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 Su, Sv, Sw and the inverse power of each motor phase Vu, Vv, Vw becomes as shown in the Fig.1.

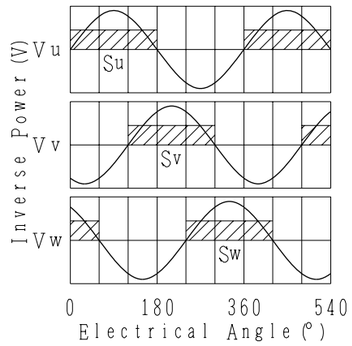


Fig.1

Item No.	Moving Coil Model SGLGW-	Rated Force [N]	Peak force [N]	Approx.Mass [kg]	L1	L2	L3	L4	L5	L6	N1	N2	Ratings and specifications
1	60A140CP	70	220	0.48	140	125	90	30	52.5	45	3	4	DP0492187
2	60A253CP	140	440	0.82	252.5	237.5	180	37.5	60	135	5	8	
3	60A365CP	210	660	1.16	365	350	315	30	52.5	270	8	14	

Notes
1. All dimensions are in mm.
2. The moving coil moves in the direction indicated by the arrow when current flows in the order of phase U, V and W.
3. Magnetic way could be chosen from DP0320524 or DP0320525. 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. DP0320610

REV. ◇

GROUP | RELS | USER | R3K | ID