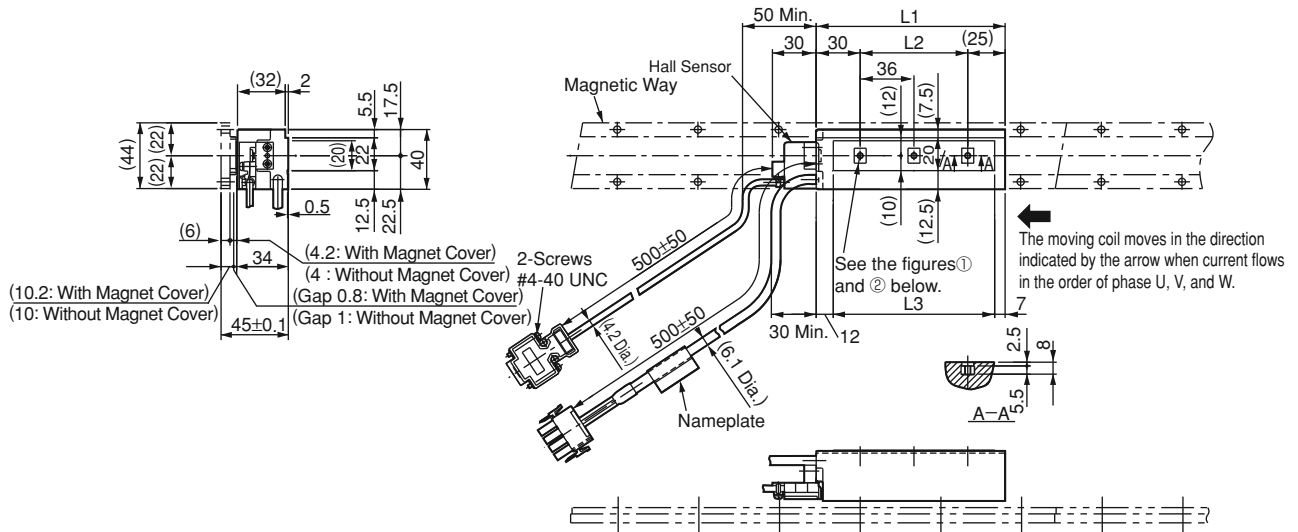


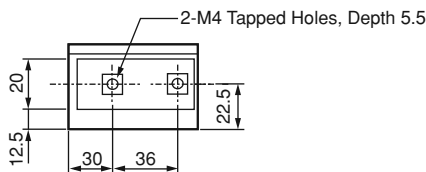
External Dimensions Units: mm

(1) SGLFW-20

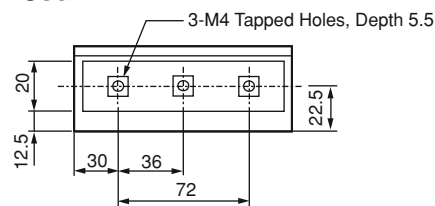
- Moving Coil: SGLFW-20A□□□A□ (With a connector by Tyco Electronics AMP K.K.)



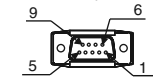
① SGLFW-20A090A□



② SGLFW-20A120A□



Hall Sensor Connector Specifications



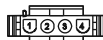
Pin Connector :
17JE-13090-02 (D8C)
by DDK Ltd.

The Mating Connector

Socket Connector:
17JE-13090-02 (D8C)
Stud: 17L-002C or
17L-002C1

Pin No.	Signal
1	+5V (Power supply)
2	Phase U
3	Phase V
4	Phase W
5	0V (Power supply)
6	Not used
7	Not used
8	Not used
9	Not used

Linear Servomotor Connector Specifications



Plug: 350779-1
Pin : 350218-3 or
350547-3 (No. 1 to 3)
350654-1
350669-1 (No. 4)
by Tyco Electronics AMP K.K.

The Mating Connector

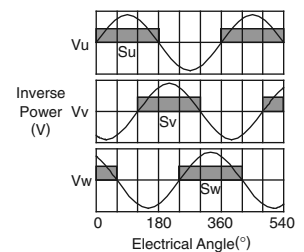
Cap : 350780-1
Socket: 350536-3 or
350550-3

Note: Models compatible with connectors by Interconnectron GmbH are also available.

Pin No.	Signal	Wire Color
1	Phase U	Red
2	Phase V	White
3	Phase W	Black
4	FG	Green

Hall Sensor Output Signals

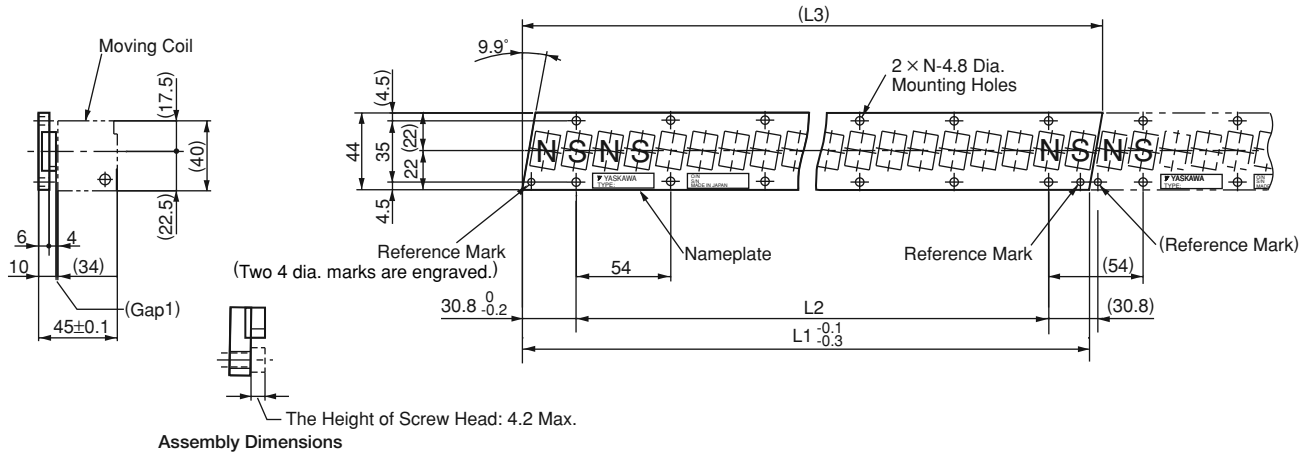
When the moving coil moves in the direction indicated by the arrow in the figure, the relationship between the hall sensor output signals S_u , S_v , S_w and the inverse power of each motor phase V_u , V_v , V_w becomes as shown in the figure below.



Moving Coil Model SGLFW-	L1	L2	L3	Approx. Mass kg
20A090A□	91	36	72	0.7
20A120A□	127	72	108	0.9

External Dimensions Units: mm

- Magnetic Way: SGLFM-20□□□A



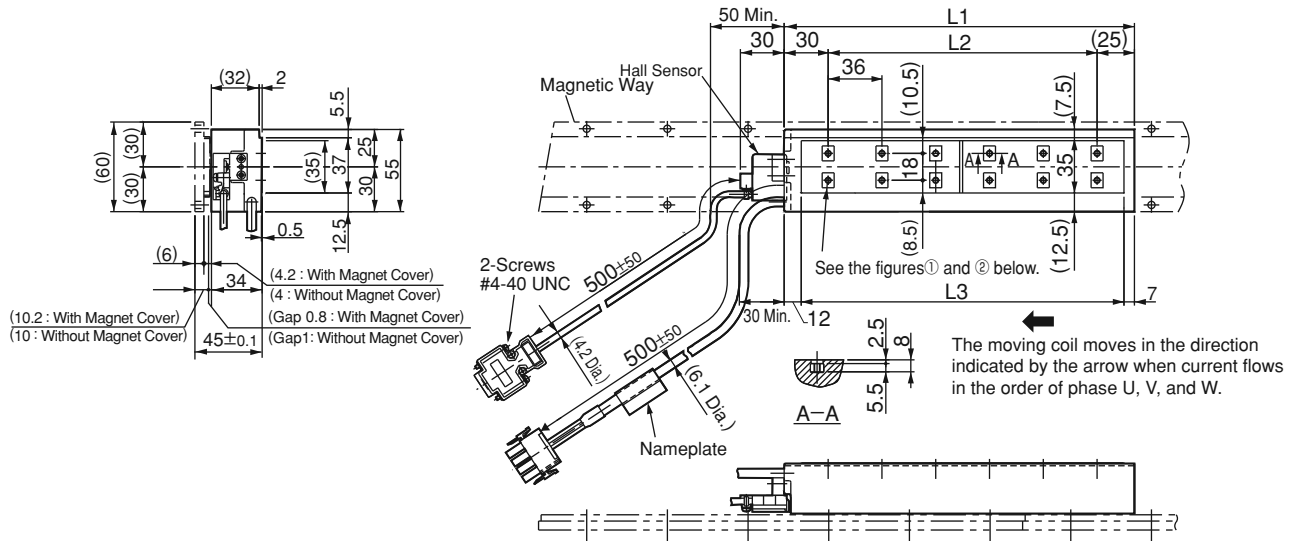
Notes: 1 Multiple SGLFM-20□□□A magnetic ways can be connected. Connect magnetic ways so that the reference marks match one on the other in the same direction as shown in the figure.
 2 If you have a pacemaker or any other electronic medical device, do not go near the magnetic way of the linear servomotor.

Magnetic Way Model SGLFM-	L1 ^{0.1} _{-0.3}	L2	(L3)	N	Approx. Mass kg
20324A	324	270 (54 × 5)	(331.6)	6	0.9
20540A	540	486 (54 × 9)	(547.6)	10	1.4
20756A	756	702 (54 × 13)	(763.6)	14	2

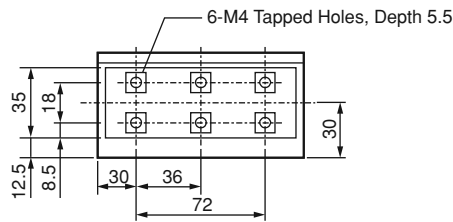
External Dimensions Units: mm

(2) SGLFW-35

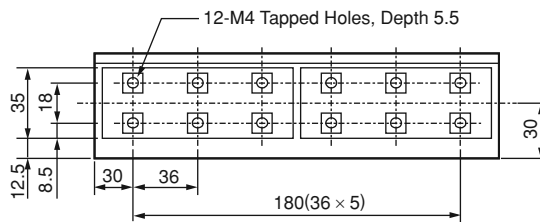
- Moving Coil: SGLFW-35□□□□A□ (With a connector by Tyco Electronics AMP K.K.)



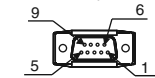
① SGLFW-35□120A□



② SGLFW-35□230A□



Hall Sensor Connector Specifications



Pin Connector
17JE-23090-02 (D8C)
by DDK Ltd.

The Mating Connector

Socket Connector:
17JE-13090-02(D8C)
Stud: 17L-002C or
17L-002C1

Pin No.	Signal
1	+5V (Power supply)
2	Phase U
3	Phase V
4	Phase W
5	0V (Power supply)
6	Not used
7	Not used
8	Not used
9	Not used

Linear Servomotor Connector Specifications

Connector Specifications



Plug: 350779-1
Pin : 350218-3 or
350547-3 (No.1 to 3)
350654-1
350669-1 (No.4)
by Tyco Electronics AMP K.K.

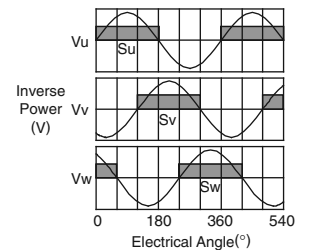
The Mating Connector

Cap : 350780-1
Socket: 350536-3 or
350550-3

Pin No.	Signal	Wire Color
1	Phase U	Red
2	Phase V	White
3	Phase W	Black
4	FG	Green

Hall Sensor Output Signals

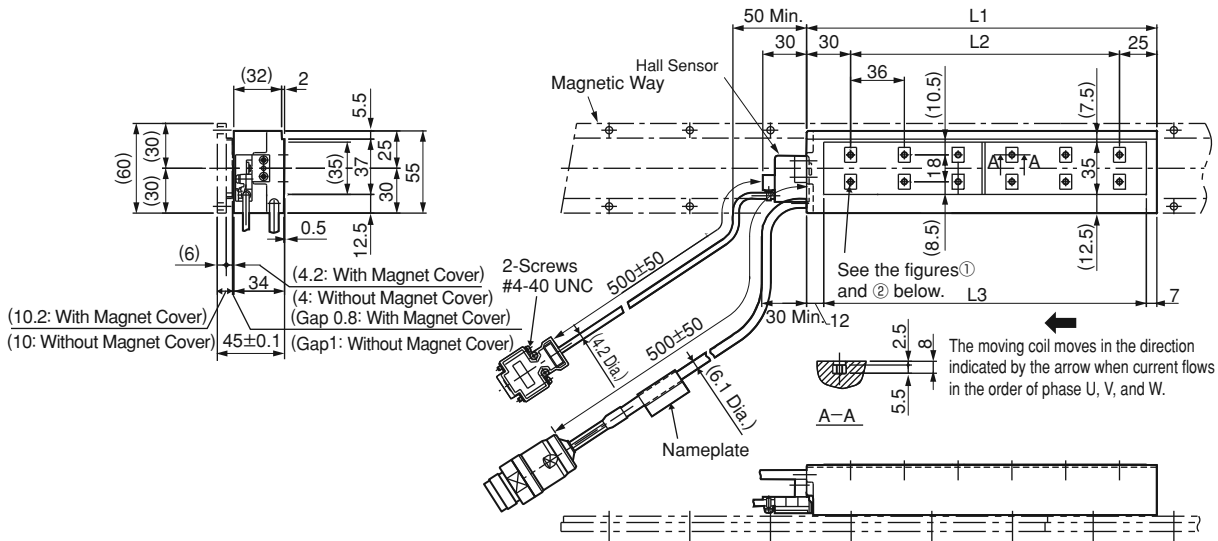
When the moving coil moves in the direction indicated by the arrow in the figure, the relationship between the hall sensor output signals S_u , S_v , and S_w and the inverse power of each motor phase V_u , V_v , V_w becomes as shown in the figure below.



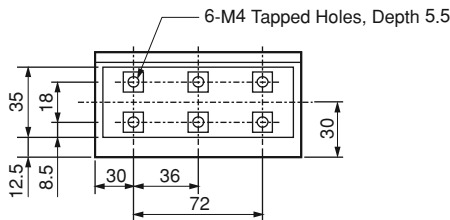
Moving Coil Model SGLFW-	L1	L2	L3	Approx. Mass kg
35□120A□	127	72	108	1.3
35□230A□	235	180	216	2.3

External Dimensions Units: mm

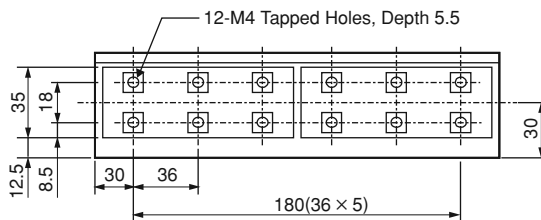
- Moving Coil: SGLFW-35□□□□A□D (With a connector by Interconnectron GmbH)



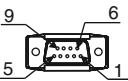
① SGLFW-35□120A□D



② SGLFW-35□230A□D



Hall Sensor Connector Specifications



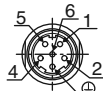
Pin Connector : 17JE-23090-02 (D8C) by DDK Ltd.

The Mating Connector

Socket Connector: 17JE-13090-02 (D8C) Stud: 17L-002C or 17L-002C1

Pin No.	Signal
1	+5V (Power supply)
2	Phase U
3	Phase V
4	Phase W
5	0V (Power supply)
6	Not used
7	Not used
8	Not used
9	Not used

Linear Servomotor Connector Specifications



Extension: ARRA06AMRPN182 Pin : 021.279.1020 by Interconnectron GmbH

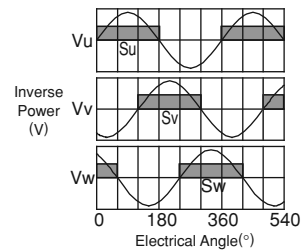
The Mating Connector

Plug : APRA06BFRDN170 Socket: 020.105.1020

Pin No.	Name
1	Phase U
2	Phase V
4	Phase W
5	Not used
6	Not used
⊕	Ground

Hall Sensor Output Signals

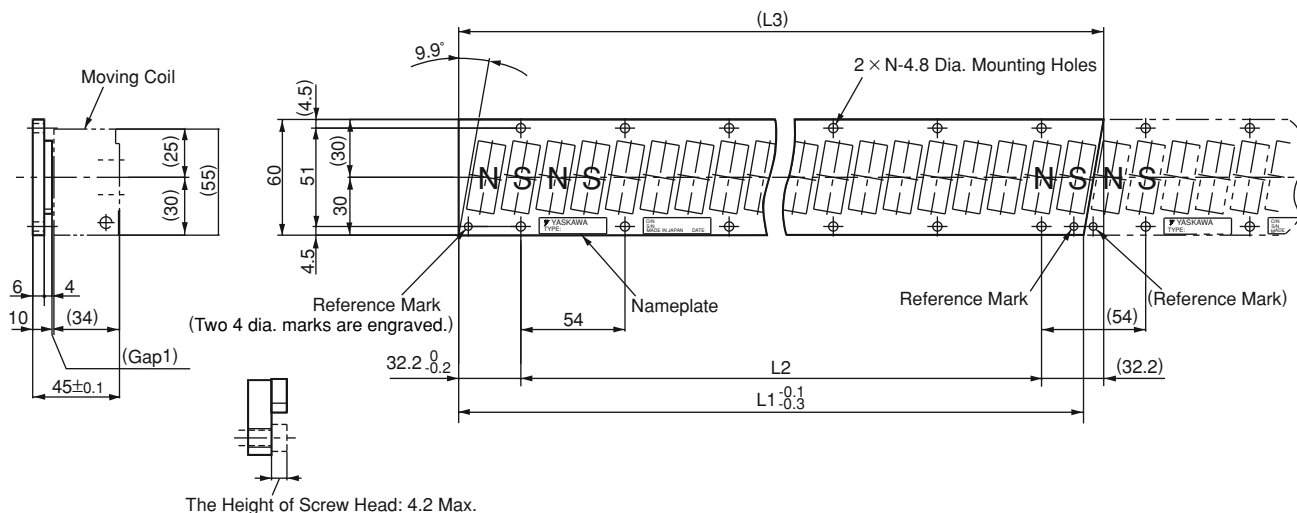
When the moving coil moves in the direction indicated by the arrow in the figure, the relationship between the hall sensor output signals Su, Sv, Sw and the inverse power of each motor phase Vu, Vv, Vw becomes as shown in the figure below.



Moving Coil Model SGLFW-	L1	L2	L3	N	Approx. Mass kg
35□120A□D	127	72	108	6	1.3
35□230A□D	235	180	216	12	2.3

External Dimensions Units: mm

- Magnetic Way: SGLFM-35□□□A



Assembly Dimensions

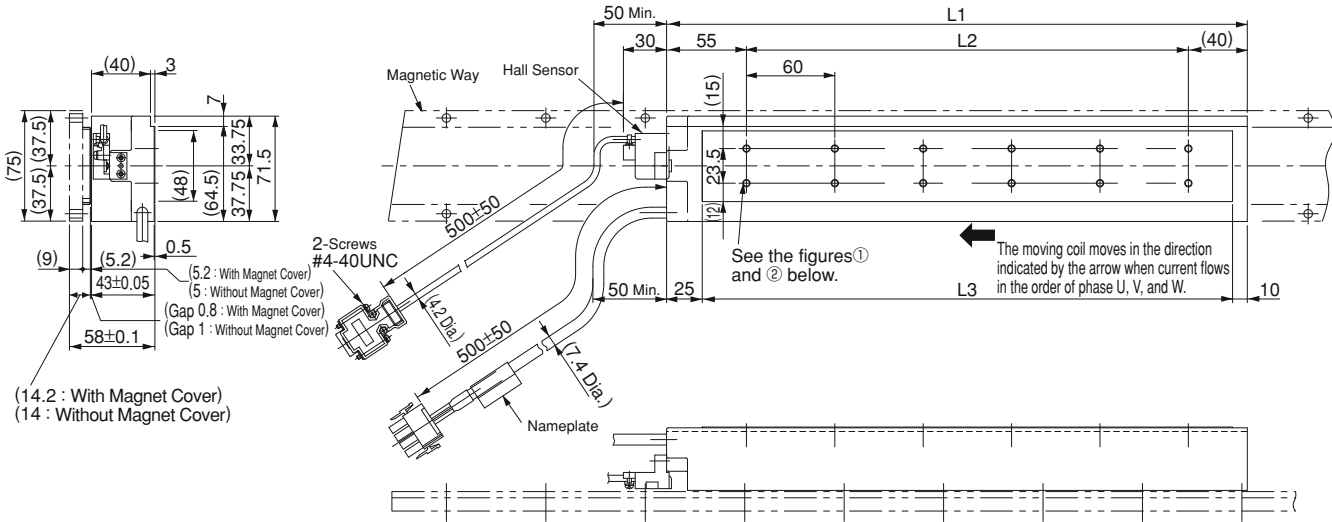
- Notes: 1 Multiple SGLFM-35□□□A magnetic ways can be connected. Connect magnetic ways so that the reference marks match one on the other in the same direction as shown in the figure.
 2 If you have a pacemaker or any other electronic medical device, do not go near the magnetic way of the linear servomotor.

Magnetic Way Model SGLFM-	L1 ^{-0.1} / _{-0.3}	L2	(L3)	N	Approx. Mass kg
35324A	324	270 (54×5)	(334.4)	6	1.2
35540A	540	486 (54×9)	(550.4)	10	2
35756A	756	702 (54×13)	(766.4)	14	2.9

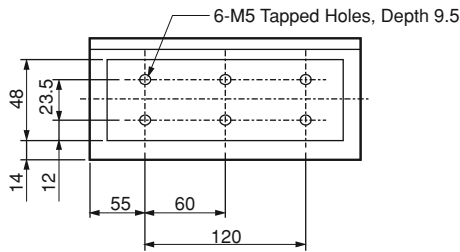
External Dimensions Units: mm

(3) SGLFW-50

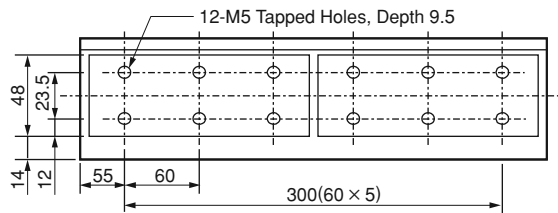
● Moving Coil: SGLFW-50□□□□B□ (With a connector by Tyco Electronics AMP K.K.)



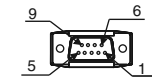
① SGLFW-50□200B□



② SGLFW-50□380B□



Hall Sensor Connector Specifications



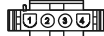
Pin Connector :
17JE-23090-02 (D8C)
by DDK Ltd.

The Mating Connector

Socket Connector:
17JE-13090-02 (D8C)
Stud: 17L-002C or
17L-002C1

Pin No.	Signal
1	+5V (Power supply)
2	Phase U
3	Phase V
4	Phase W
5	0V (Power supply)
6	Not used
7	Not used
8	Not used
9	Not used

Linear Servomotor Connector Specifications



Plug: 350779-1
Pin : 350218-3 or
350547-3 (No. 1 to 3)
350654-1
350669-1 (No. 4)
by Tyco Electronics AMP K.K.

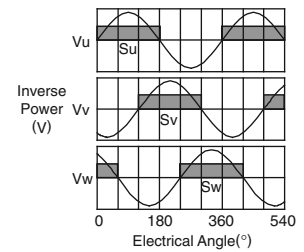
The Mating Connector

Cap : 350780-1
Socket: 350536-3 or
350550-3

Pin No.	Signal	Wire Color
1	Phase U	Red
2	Phase V	White
3	Phase W	Black
4	FG	Green

Hall Sensor Output Signals

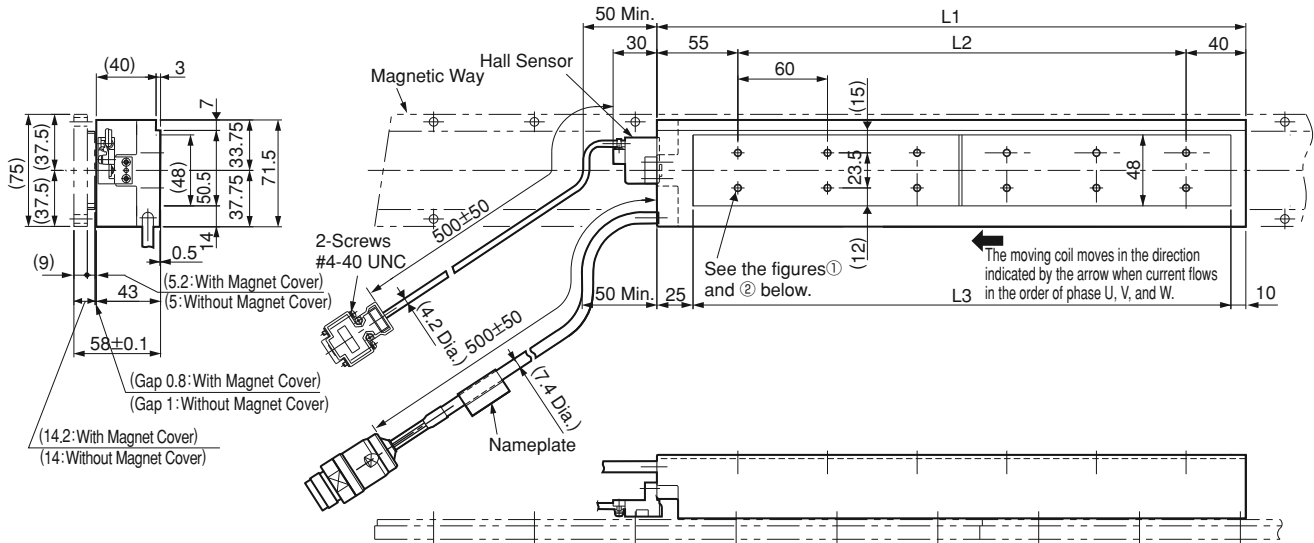
When the moving coil moves in the direction indicated by the arrow in the figure, the relationship between the hall sensor output signals Su, Sv, Sw and the inverse power of each motor phase Vu, Vv, Vw becomes as shown in the figure below.



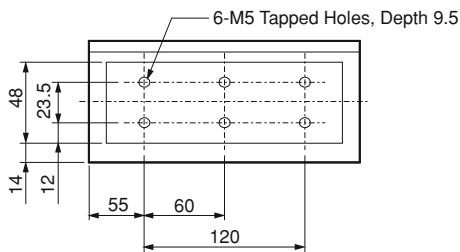
Moving Coil Model SGLFW-	L1	L2	L3	Approx. Mass kg
50□200B□	215	120	180	3.5
50□380B□	395	300	360	6.9

External Dimensions Units: mm

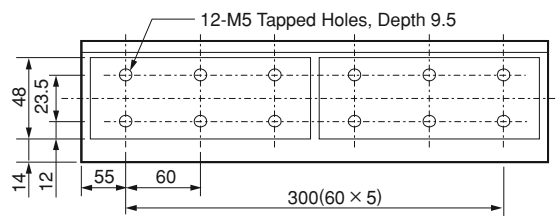
- Moving Coil: SGLFW-50□□□□B□D (With a connector by Interconnectron GmbH)



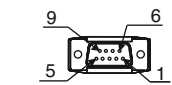
① SGLFW-50□200B□D



② SGLFW-50□380B□D



Hall Sensor Connector Specifications



Pin Connector :
17JE-23090-02 (D8C)
by DDK Ltd.

The Mating Connector

Socket Connector:
17JE-13090-02 (D8C)
Stud: 17L-002C or
17L-002C1

Pin No.	Signal
1	+5V (Power supply)
2	Phase U
3	Phase V
4	Phase W
5	0V (Power supply)
6	Not used
7	Not used
8	Not used
9	Not used

Linear Servomotor Connector Specifications



Extension: ARRA06AMRPN182
Pin : 021.279.1020
by Interconnectron GmbH

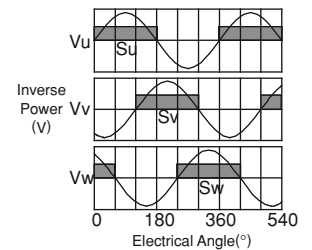
The Mating Connector

Plug : APRA06BFRDN170
Socket: 020.105.1020

Pin No.	Name
1	Phase U
2	Phase V
4	Phase W
5	Not used
6	Not used
⊕	Ground

Hall Sensor Output Signals

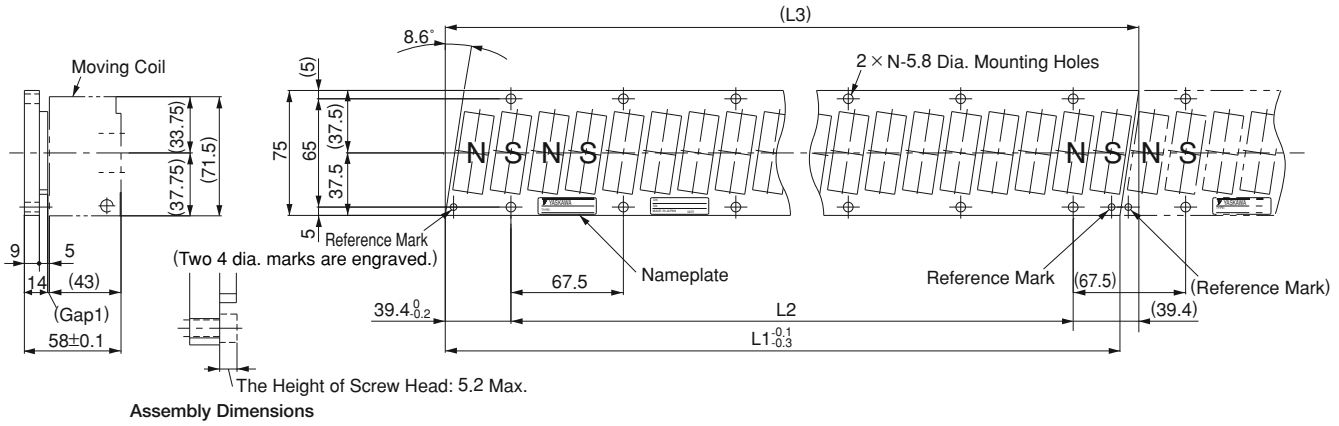
When the moving coil moves in the direction indicated by the arrow in the figure, the relationship between the hall sensor output signals S_u , S_v , S_w and the inverse power of each motor phase V_u , V_v , V_w becomes as shown in the figure below.



Moving Coil Model SGLFW-	L1	L2	L3	N	Approx. Mass kg
50□200B□D	215	120	180	6	3.5
50□380B□D	395	300	360	12	6.9

External Dimensions Units: mm

- Magnetic Way: SGLFM-50□□□A



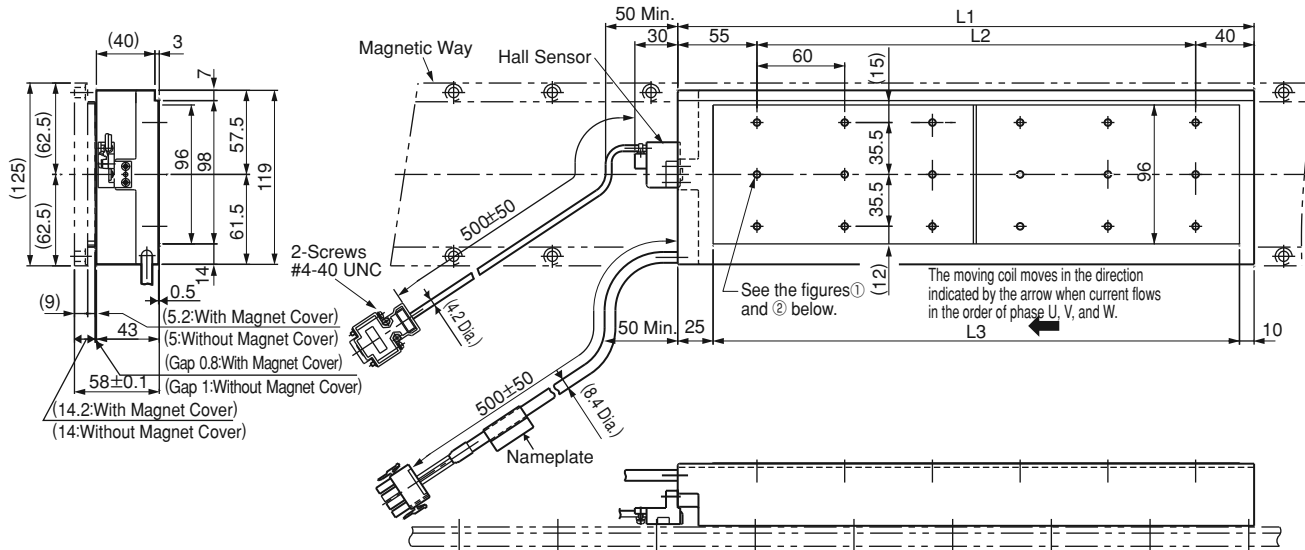
- Notes: 1 Multiple SGLFM-50□□□A magnetic ways can be connected. Connect magnetic ways so that the reference marks match one on the other in the same direction as shown in the figure.
 2 If you have a pacemaker or any other electronic medical device, do not go near the magnetic way of the linear servomotor.

Magnetic Way Model SGLFM-	L1 ^{+0.1} _{-0.3}	L2	(L3)	N	Approx. Mass kg
50405A	405	337.5 (67.5 × 5)	(416.3)	6	2.8
50675A	675	607.5 (67.5 × 9)	(686.3)	10	4.6
50945A	945	877.5 (67.5 × 13)	(956.3)	14	6.5

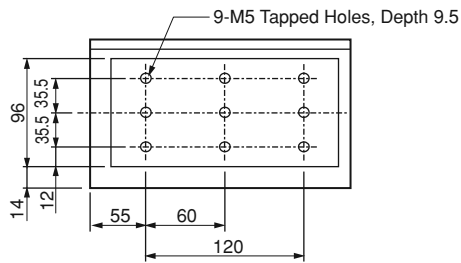
External Dimensions Units: mm

(4) SGLFW-1Z

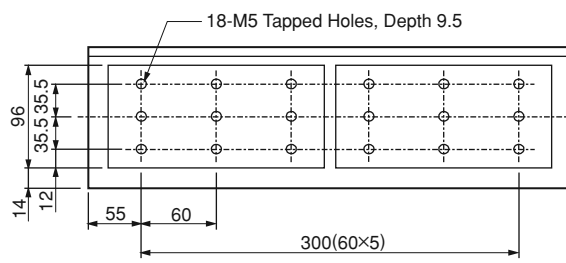
- Moving Coil: SGLFW-1Z□□□□B□ (With a connector by Tyco Electronics AMP K.K.)



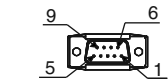
① SGLFW-1Z□200B□



② SGLFW-1Z□380B□



Hall Sensor Connector Specifications



Pin Connector :
17JE-23090-02 (D8C)
by DDK Ltd.

The Mating Connector

Socket Connector:
17JE-13090-02 (D8C)
Stud: 17L-002C or
17L-002C1

Pin No.	Signal
1	+5V (Power supply)
2	Phase U
3	Phase V
4	Phase W
5	0V (Power supply)
6	Not used
7	Not used
8	Not used
9	Not used

Linear Servomotor Connector Specifications



Plug: 350779-1
Pin : 350218-3 or
350547-3 (No.1 to 3)
350654-1
350669-1 (No.4)
by Tyco Electronics AMP K.K.

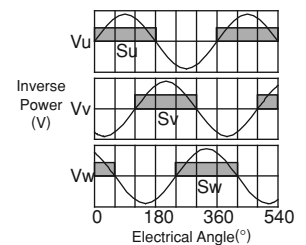
The Mating Connector

Cap : 350780-1
Socket: 350536-3 or
350550-3

Pin No.	Signal	Wire Color
1	Phase U	Red
2	Phase V	White
3	Phase W	Black
4	FG	Green

Hall Sensor Output Signals

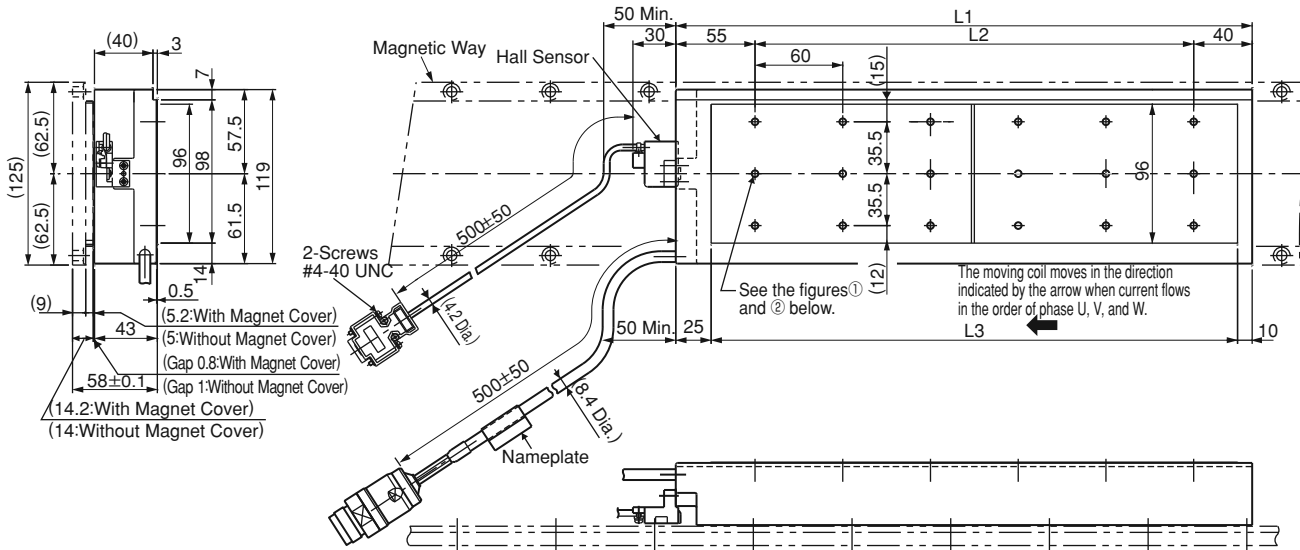
When the moving coil moves in the direction indicated by the arrow in the figure, the relationship between the hall sensor output signals S_u , S_v , S_w and the inverse power of each motor phase V_u , V_v , V_w becomes as shown in the figure below.



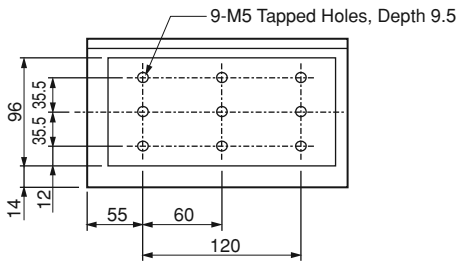
Moving Coil Model SGLFW-	L1	L2	L3	N	Approx. Mass kg
1Z□200B□	215	120	180	9	6.4
1Z□380B□	395	300	360	18	11.5

External Dimensions Units: mm

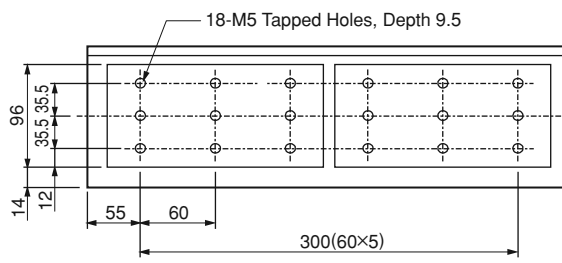
- Moving Coil: SGLFW-1Z□□□□B□D (With a connector by Interconnectron GmbH)



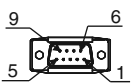
① SGLFW-1Z□□200B□D



② SGLFW-1ZD380B□D



Hall Sensor Connector Specifications



Pin Connector :
17JE-23090-02 (D8C)
by DDK Ltd.

The Mating Connector

Socket Connector:
17JE-13090-02 (D8C)
Stud: 17L-002C or
17L-002C1

Pin No.	Signal
1	+5V (Power supply)
2	Phase U
3	Phase V
4	Phase W
5	0V (Power supply)
6	Not used
7	Not used
8	Not used
9	Not used

Linear Servomotor Connector Specifications



Extension: ARRA06AMRPN182
Pin : 021.279.1020
by Interconnectron GmbH

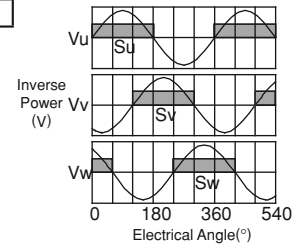
The Mating Connector

Plug : APRA06BFRDN170
Socket: 020.105.1020

Pin No.	Name
1	Phase U
2	Phase V
4	Phase W
5	Not used
6	Not used
⊕	Ground

Hall Sensor Output Signals

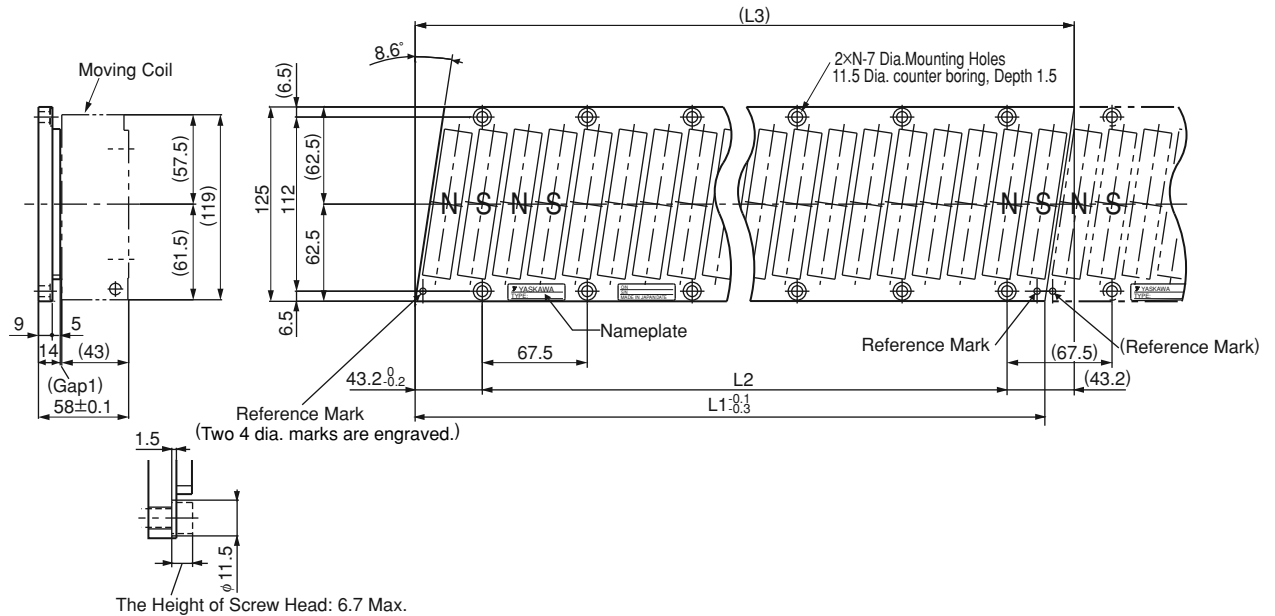
When the moving coil moves in the direction indicated by the arrow in the figure, the relationship between the hall sensor output signals Su, Sv, Sw and the inverse power of each motor phase Vu, Vv, Vw becomes as shown in the figure below.



Moving Coil Model SGLFW-	L1	L2	L3	N	Approx. Mass kg
1Z□□200B□D	215	120	180	9	6.4
1ZD380B□D	395	300	360	18	11.5

External Dimensions Units: mm

- Magnetic Way: SGLFM-1Z□□□A



Assembly Dimensions

- Notes: 1 Multiple SGLFM-1Z□□□A magnetic ways can be connected. Connect magnetic ways so that the reference marks match one on the other in the same direction as shown in the figure.
 2 If you have a pacemaker or any other electronic medical device, do not go near the magnetic way of the linear servomotor.

Magnetic Way Model SGLFM-	L1 ^{-0.1/-0.3}	L2	L3	N	Approx. Mass kg
1Z405A	405	337.5 (67.5 × 5)	(423.9)	6	5
1Z675A	675	607.5 (67.5 × 9)	(693.9)	10	8.3
1Z945A	945	877.5 (67.5 × 13)	(963.9)	14	12