SGLF (Models with F-Type Iron Cores)

Model Designations

Moving Coil

S G L F W2 - 30 D 070 A S 1 E

Sigma-7 Series Linear Servomotors:	1st	2nd	3rd + 4th	5th	6th - 8th	9th	10th	11th	12th	digit

1st digit - Servomotor Type

Code	Specification
F	With F-type iron core

2nd digit - Moving Coil/Magnetic Way

Code	Specification
W2	Moving Coil

3rd + 4th digit - Magnet Height

Code	Specification
30	30 mm
45	45 mm
90	90 mm
1D	135 mm

5th digit - Power Supply Voltage

Code	Specification
D	400 VAC

6th ... 8th digit - Length of Moving Coil

Code	Specification
070	70 mm
120	125 mm
200	205 mm
230	230 mm
380	384 mm

9th digit - Design Revision Order

Code	Specification
A	Standard Model

10th digit - Sensor Specification

Code	Specification
T	Without polarity sensor, with thermal protector
S	With polarity sensor and thermal protector

11th digit - Options

Code	Cooling Method
1	Self-cooled
L	Water-cooled*

12th digit - Options

Code	Connection
E	Metal round connector (Phoenix)

* Contact your YASKAWA representative for information on water-cooled model.

Magnetic Way

S G L F M2 - 30 270 A

Sigma-7 Series Linear Servomotors:	1st	2nd	3rd + 4th	5th - 7th	8th	digit

1st digit - Servomotor Type

Code	Specification
F	With F-type iron core

2nd digit - Moving Coil/Magnetic Way

Code	Specification
M2	Magnetic Way

3rd + 4th digit - Magnet Height

Code	Specification
30	30 mm
45	45 mm
90	90 mm
1D	135 mm

5th ... 7th digit - Length of Magnetic Way

Code	Specification
270	270 mm
306	306 mm
450	450 mm
510	510 mm
630	630 mm
714	714 mm

8th digit - Design Revision Order

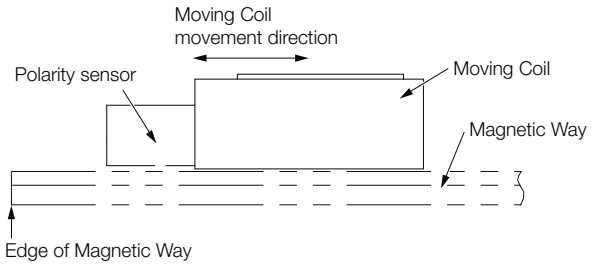
Code	Specification
A	Standard Model

Note: This information is provided to explain model numbers. It is not meant to imply that models are available for all combinations of codes.

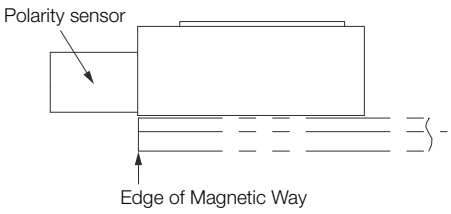
Precautions on Moving Coils with Polarity Sensors

Note:
When you use a Moving Coil with a Polarity Sensor, the Magnetic Way must cover the bottom of the polarity sensor. Refer to the example that shows the correct installation.
When determining the length of the Moving Coil's stroke or the length of the Magnetic Way, consider the total length (L) of the Moving Coil and the polarity sensor. Refer to the following table.

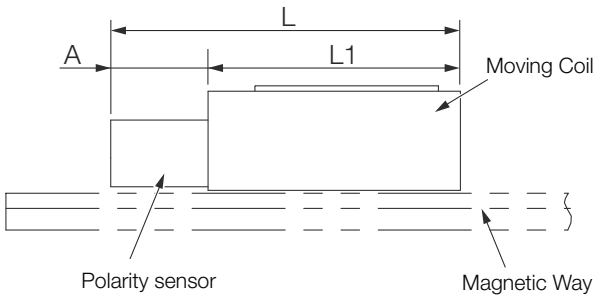
Correct Installation



Incorrect Installation



Total Length of Moving Coil with Polarity Sensor



Moving Coil Model SGLFW2-	Length of Moving Coil, L1 (mm)	Length of Polarity Sensor, A (mm)	Total Length, L (mm)
30D070AS	70	27	97
30D120AS	125		152
30D230AS	230		257
45D200AS	205	32	237
45D380AS	384		416
90D200AS	205		237
90D380AS	384		416

Ratings and Specifications: SGLFW2 Models

Specifications

Linear Servomotor Moving Coil		30D			45D		90D			1DD	
Model SGLFW2-		030A□	120A□	230A□	200A□	380A□	200A□	380A□	560A□	380A□	560A□
Time Rating		Continuous									
Thermal Class		B									
Insulation Resistance		500 VDC, 10 MΩ min.									
Withstand Voltage		1,800 VAC for 1 minute									
Excitation		Permanent magnet									
Cooling Method		Self-cooled or water-cooled*									
Protective Structure		IP00									
Environmental Conditions	Ambient Temperature	0°C to 40°C (without freezing)									
	Ambient Humidity	20% to 80% relative humidity (without condensation)									
	Installation Site	• Must be indoors and free of corrosive and explosive gases. • Must be well-ventilated and free of dust and moisture. • Must facilitate inspection and cleaning. • Must have an altitude of 1,000 m or less. • Must be free of strong magnetic fields.									
Shock Resistance	Impact Acceleration Rate	196 m/s^2									
	Number of Impacts	2 times									
Vibration Resistance	Vibration Acceleration Rate	49 m/s^2 (the vibration resistance in three directions, vertical, side-to-side, and front-to-back)									

* Contact your YASKAWA representative for information on water-cooled models.

Ratings

Linear Servomotor Moving Coil		30D			45D		
Model SGLFW2-		070A□	120A□	230A□	200A□	380A□	
Rated Motor Speed (Reference Speed during Speed Control)*1	m/s	4.0	4.0	4.0	4.0	4.0	
Maximum Speed*1	m/s	5.0	5.0	5.0	4.5	4.5	
Rated Force*1, *2	N	45	90	180	280	560	
Maximum Force*1	N	135	270	540	840	1500	1680
Rated Current*1	A	1.4	1.5	1.5	2.2	4.3	
Maximum Current*1	A	5.3	5.2	5.1	8.1	13.6	16.2
Moving Coil Mass	kg	0.50	0.90	1.7	2.9	5.4	
Force Constant	N/A	33.3	64.5	129.0	137.0	136.7	
BEMF Constant	Vrms / (m/s) / phase	11.1	21.5	43.0	45.6	45.6	
Motor Constant	$N/\sqrt{W}$	11.3	17.3	24.4	37.6	53.2	
Electrical Time Constant	ms	7.6	7.3	7.3	20	19.6	
Mechanical Time Constant	ms	3.9	3.0	2.9	2.1	1.9	
Thermal Resistance (with Heat Sink)	K/W	2.62	1.17	0.79	0.60	0.44	
Thermal Resistance (without Heat Sink)	K/W	11.3	4.43	2.55	2.64	1.49	
Magnetic Attraction	N	200	630	1260	2120	4240	
Combined Magnetic Way, SGLFM2-			30□□□A			45□□□A	
Combined Serial Converter Unit, JZDP-□□□□-		651	652	653	654	655	
Applicable SERVOPACKs	SGD7S- SGD7W-	1R9D 2R6D	1R9D 2R6D	1R9D 2R6D	3R5D 2R6D	5R4D 5R4D	8R4D -

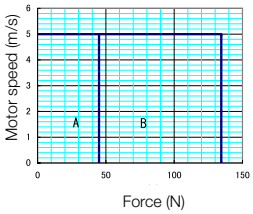
*1. These values are for operation in combination with a SERVOPACK when the temperature of the armature winding is 100°C. The values for other items are at 20°C. These are typical values.

*2. The rated forces are the continuous allowable force values at a ambient temperature of 40°C with an aluminum heat sink of the dimensions given in the following table.
Heat Sink Dimensions:
- 150 mm × 100 mm × 10 mm: SGLFW2-30D070A
- 254 mm × 254 mm × 25 mm: SGLFW2-30D120A and -30D230A
- 400 mm × 500 mm × 40 mm: SGLFW2-45D200A and -45D380A

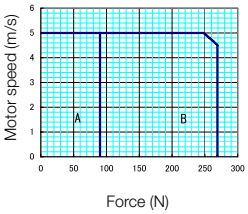
Force-Motor Speed Characteristics

A : Continuous duty zone ——— With three-phase 400-V input
B : Intermittent duty zone - - - - - - - - With three-phase 400-V input

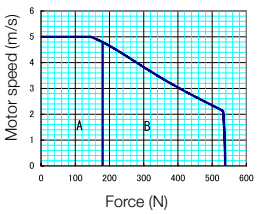
SGLFW2-30D070A



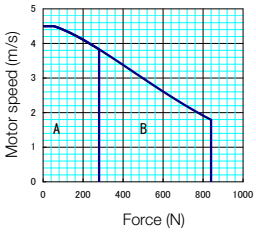
SGLFW2-30D120A



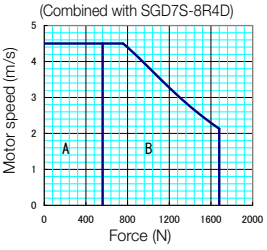
SGLFW2-30D230A



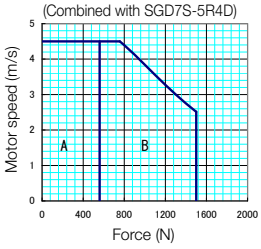
SGLFW2-45D200A



SGLFW2-45D380A
(Combined with SGD7S-8R4D)



SGLFW2-45D380A
(Combined with SGD7S-5R4D)



Notes:

1. These values are for operation in combination with a SERVOPACK when the temperature of the armature winding is 100°C. These are typical values.
2. The characteristics in the intermittent duty zone depend on the power supply voltage.
3. If the effective force is within the allowable range for the rated force, the Servomotor can be used within the intermittent duty zone.
4. If you use a Servomotor Main Circuit Cable that exceeds 20 m, the intermittent duty zone in the torque-motor speed characteristics will become smaller because the voltage drop increases.

Ratings

Linear Servomotor Moving Coil		90D			1DD	
Model SGLFW2-		200A□	380A□	560A□	380A□	560A□
Rated Motor Speed (Reference Speed during Speed Control)*1	m/s	4.0	4.0	4.0	3.5	3.5
Maximum Speed*1	m/s	4.0	4.0	4.0	3.5	3.5
Rated Force*1, *2	N	560	1120	1680	1680	2520
Maximum Force*1	N	1680	3360	5040	5040	7560
Rated Current*1	A	3.8	7.7	11.5	10.9	16.3
Maximum Current*1	A	14.0	28.0	42.0	39.7	59.6
Moving Coil Mass	kg	5.3	10.1	14.9	14.6	21.5
Force Constant	N/A	154.0	154.0	154.0	163.0	163.0
BEMF Constant	Vrms / (m/s) / phase	51.3	51.3	51.3	54.3	54.3
Motor Constant	$N/\sqrt{W}$	59.2	83.7	102	103	126
Electrical Time Constant	ms	24	24	24	25	25
Mechanical Time Constant	ms	1.5	1.4	1.4	1.4	1.3
Thermal Resistance (with Heat Sink)	K/W	0.45	0.21	0.18	0.18	0.12
Thermal Resistance (without Heat Sink)	K/W	1.81	1.03	0.72	0.79	0.55
Magnetic Attraction	N	4240	8480	12700	12700	19100
Combined Magnetic Way, SGLFM2-			90□□□A		1D□□□A	
Combined Serial Converter Unit, JZDP-□□□□-		657	658	659	660	661
Applicable SERVOPACKs	SGD7S-	5R4D	120D	170D	170D	260D*3

*1. These values are for operation in combination with a SERVOPACK when the temperature of the armature winding is 100°C. The values for other items are at 20°C. These are typical values.

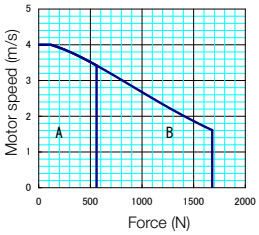
*2. The rated forces are the continuous allowable force values at a ambient air temperature of 40°C with an aluminum heat sink of the dimensions given in the following table.
Heat Sink Dimensions:
- 400 mm × 500 mm × 25 mm: SGLFW2-90D200A
- 609 mm × 762 mm × 40 mm: SGLFW2-90D380A
- 900 mm × 762 mm × 40 mm: SGLFW2-90D560A and -1DD380A
- 1400 mm x 900 mm x 40 mm: SGLFW2-1DD560A

*3. Contact your YASKAWA representative for information on these servopack models.

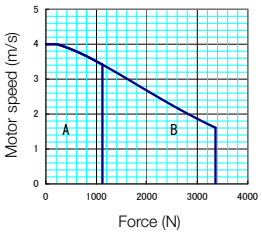
Force-Motor Speed Characteristics

A : Continuous duty zone ———— With three-phase 400-V input
B : Intermittent duty zone - - - - - - - - With three-phase 400-V input

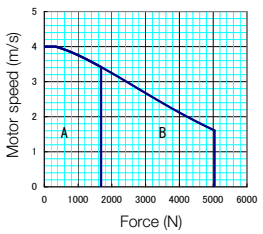
SGLFW2-90D200A



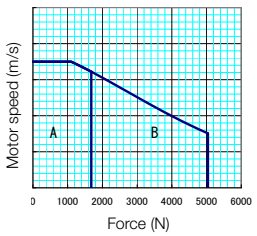
SGLFW2-90D380A



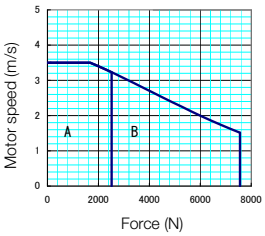
SGLFW2-90D560A



SGLFW2-1DD380A



SGLFW2-1DD560A



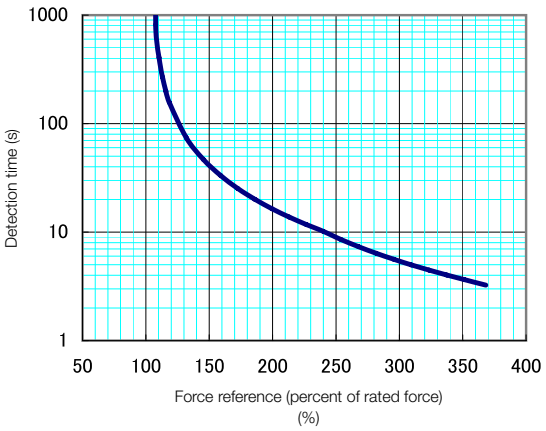
Notes:

1. These values are for operation in combination with a SERVOPACK when the temperature of the armature winding is 100°C. These are typical values.
2. The characteristics in the intermittent duty zone depend on the power supply voltage.
3. If the effective force is within the allowable range for the rated force, the Servomotor can be used within the intermittent duty zone.
4. If you use a Servomotor Main Circuit Cable that exceeds 20 m, the intermittent duty zone in the torque-motor speed characteristics will become smaller because the voltage drop increases.

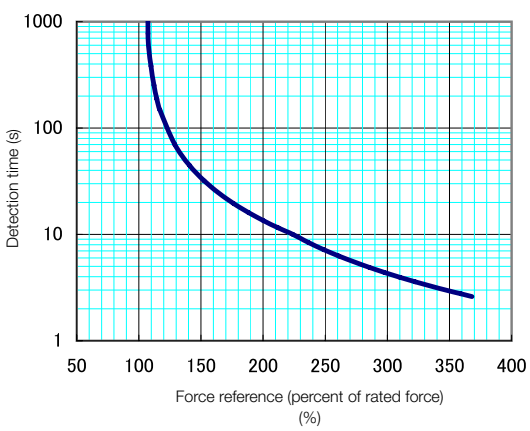
Servomotor Overload Protection Characteristics

The overload detection level is set for hot start conditions with a Servomotor ambient air temperature of 40°C.

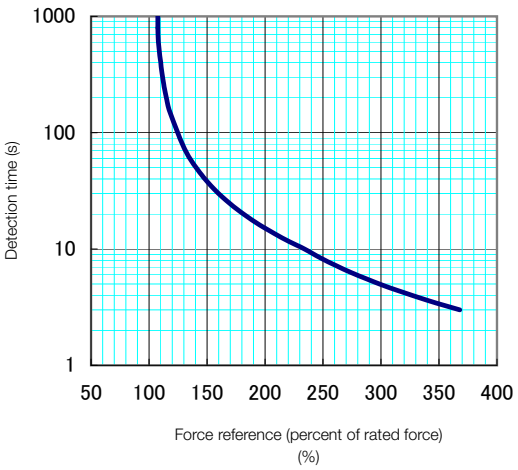
SGLFW2-30D070A



SGLFW2-30D120A and -230A



SGLFW2-45D, -90D, and -1DD

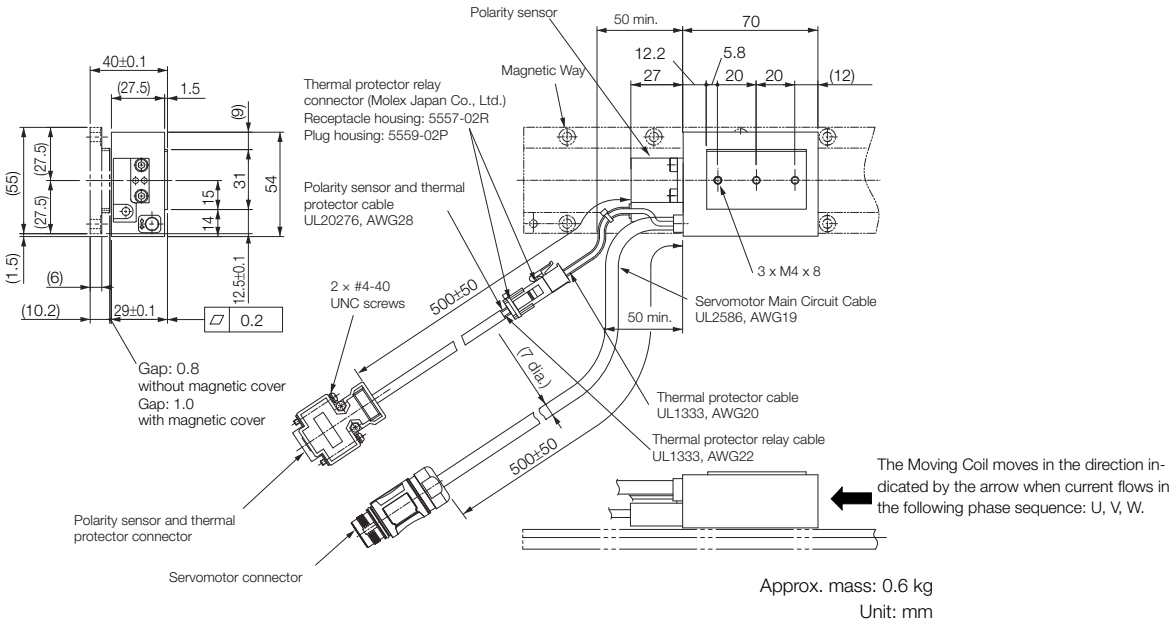


Notes:
The above overload protection characteristics do not mean that you can perform continuous duty operation with an output of 100% or higher. Use the Servomotor so that the effective force remains within the continuous duty zone given in Force-Motor Speed Characteristics.

External Dimensions

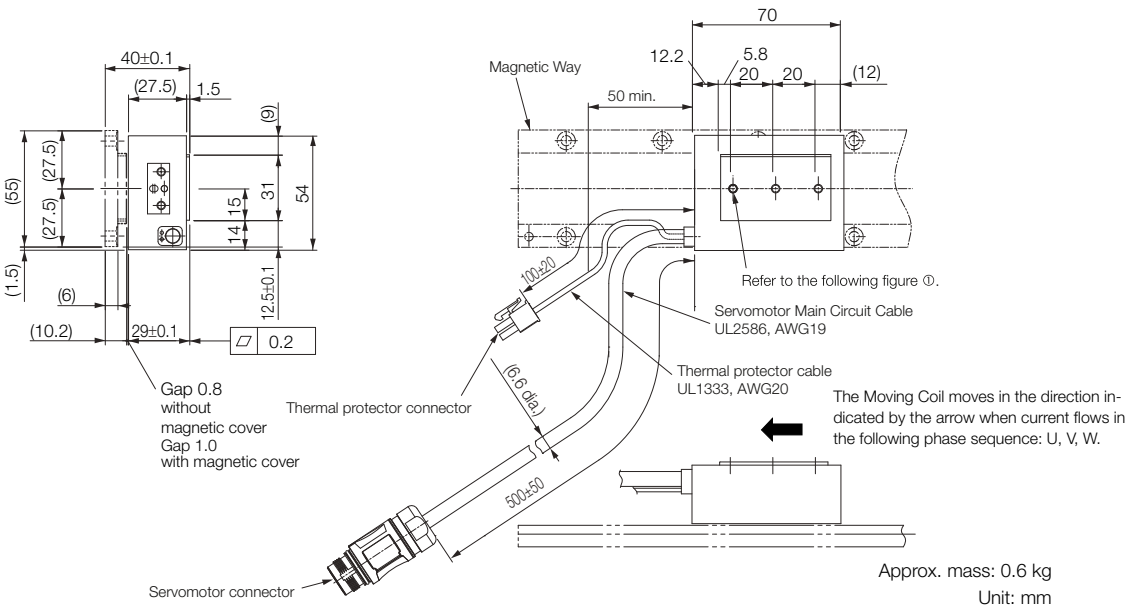
SGLFW2-30

Moving Coil with Polarity Sensor: SGLFW2-30D070AS



Approx. mass: 0.6 kg
Unit: mm

Moving Coil without Polarity Sensor: SGLFW2-30D070AT

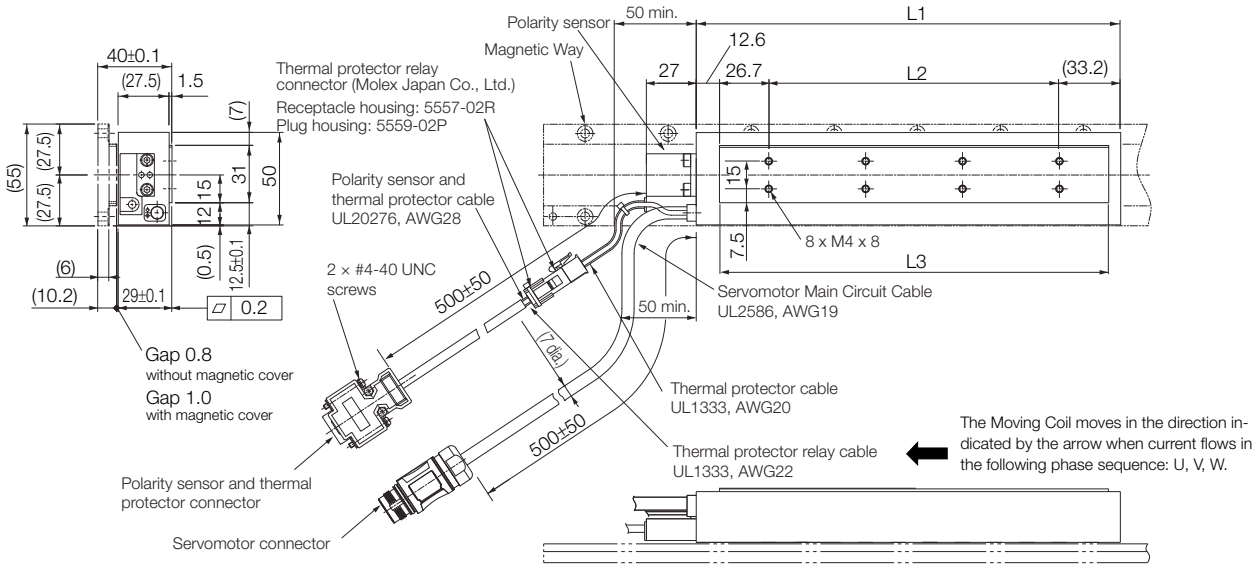


Approx. mass: 0.6 kg
Unit: mm

Moving Coil Model SGLFM2-	L1	L2	L3	Approx. Mass [kg]
30D070AS 30D070AT	70	40	54.6	0.6

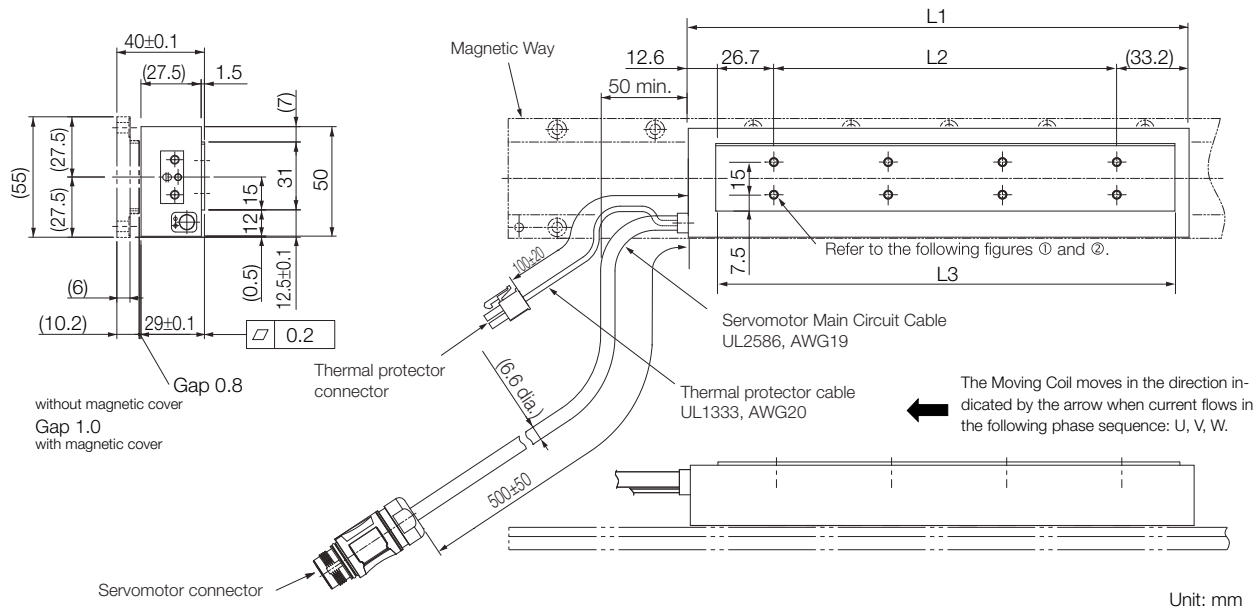
Refer to the following section for the connector specifications for the Sensor Cable and Servomotor Main Circuit Cable or Moving Coils with Polarity Sensors: SGLFW2-30 and -45.

Moving Coils with Polarity Sensors: SGLFW2-30D□□□AS



Unit: mm

Moving Coils without Polarity Sensors: SGLFW2-30D□□□AT

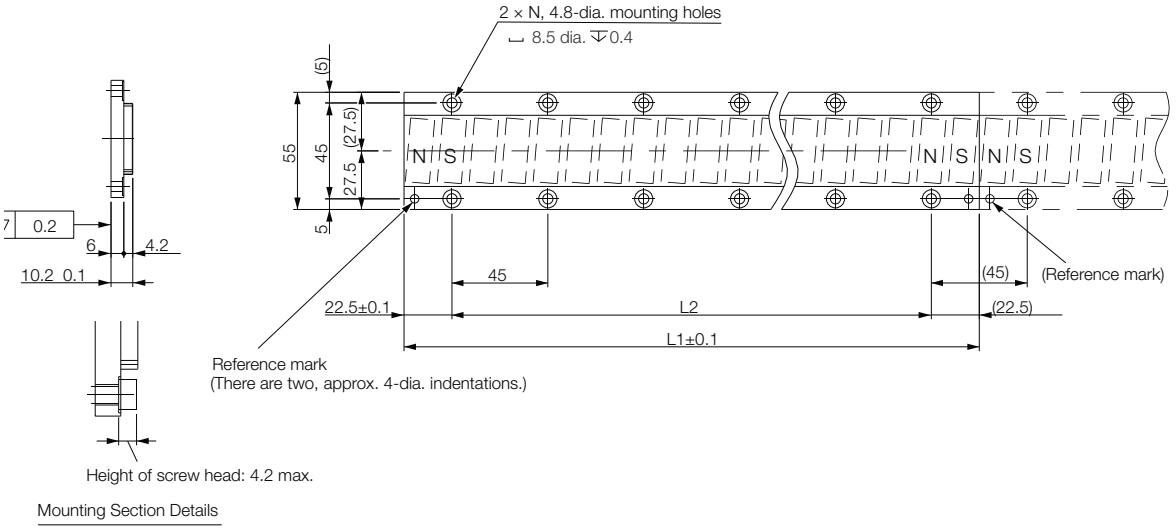


Unit: mm

Moving Coil Model SGLFM2-	L1	L2	L3	Approx. Mass [kg]
30D120A□	125	52.5	105.9	1.0
30D230A□	230	157.5	210.9	1.8

Refer to the following section for the connector specifications for the Sensor Cable and Servomotor Main Circuit Cable or Moving Coils with Polarity Sensors: SGLFW2-30 and -45.

Magnetic Ways: SGLFM2-30□□□A



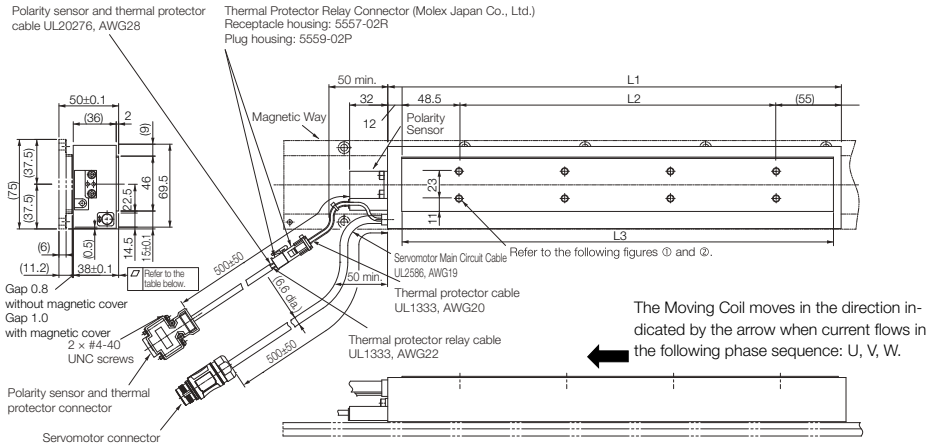
Unit: mm

Note:
More than one Magnetic Way can be connected. Connect the Magnetic Ways so that the reference marks on them are aligned in the same direction as shown in the figure.

Mgnetic Way Model SGLFM2-	L1±0.1	L2	N	Approx. Mass [kg]
30270A	270	225 (45 × 5)	6	0.9
30450A	450	405 (45 × 9)	10	1.5
30630A	630	585 (45 × 13)	14	2.0

SGLFW2-45

Moving Coils with Polarity Sensors: SGLFW2-45D□□□AS

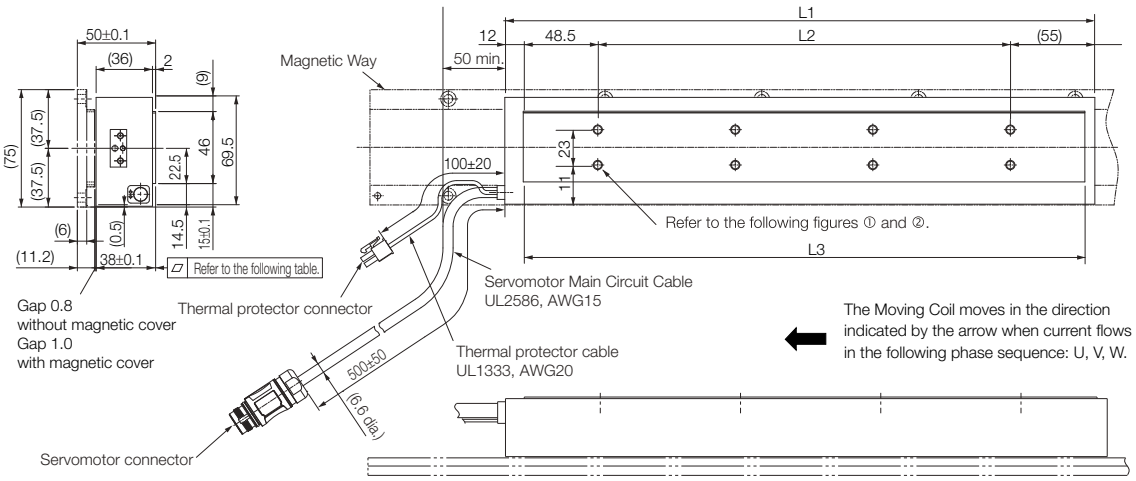


Unit: mm

Moving Coil Model SGLFW2-	L1	L2	L3	Flatness	Approx. Mass [kg]
45D200AS	205	89.5	187	0.2	2.9
45D380AS	384	268.5	365.5	0.3	5.5

Refer to the following section for the connector specifications for the Sensor Cable and Servomotor Main Circuit Cable or Moving Coils with Polarity Sensors: SGLFW2-30 and -45.

Moving Coils without Polarity Sensors: SGLFW2-45D□□□AT

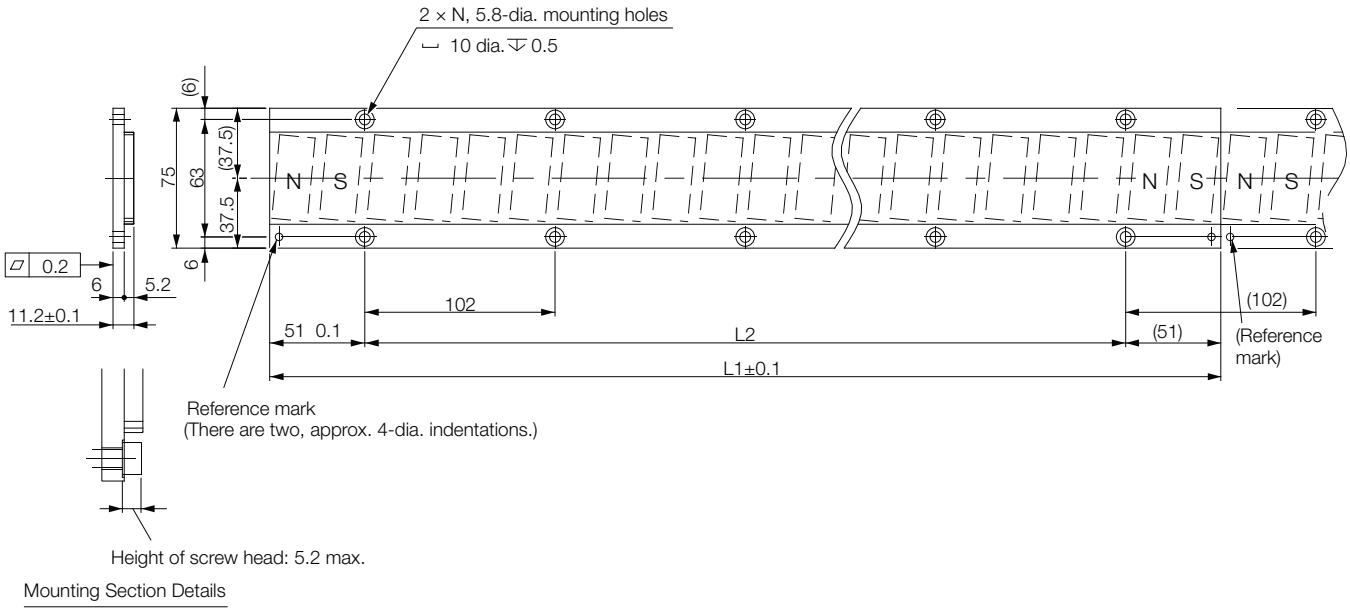


Unit: mm

Moving Coil Model SGLFW2-	L1	L2	L3	Flatness	Approx. Mass [kg]
45D200AT	205	89.5	187	0.2	2.9
45D380AT	384	268.5	365.5	0.3	5.5

Refer to the following section for the connector specifications for the Sensor Cable and Servomotor Main Circuit Cable or Moving Coils with Polarity Sensors: SGLFW2-30 and -45.

Magnetic Ways: SGLFM2-45□□□A



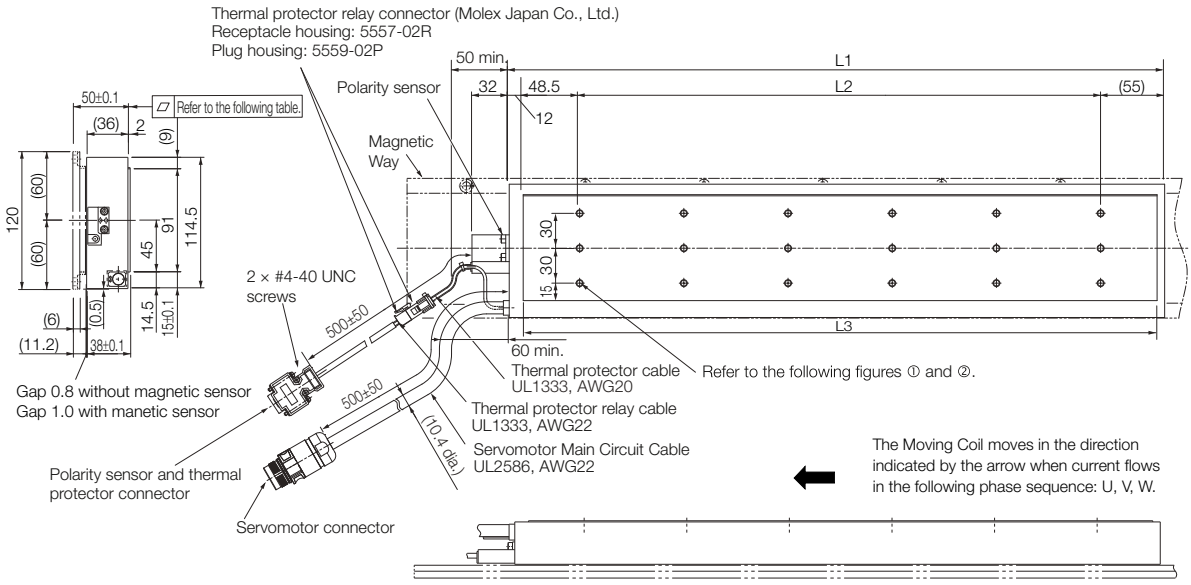
Unit: mm

Note:
More than one Magnetic Way can be connected. Connect the Magnetic Ways so that the reference marks on them are aligned in the same direction as shown in the figure.

Mgnetic Way Model SGLFM2-	L1±0.1	L2	N	Approx. Mass [kg]
45306A	306	204 (102 × 2)	3	1.5
45510A	510	408 (102 × 4)	5	2.5
45714A	714	612 (102 × 6)	7	3.4

SGLFW2-90

Moving Coils with Polarity Sensors: SGLFW2-90D□□□AS

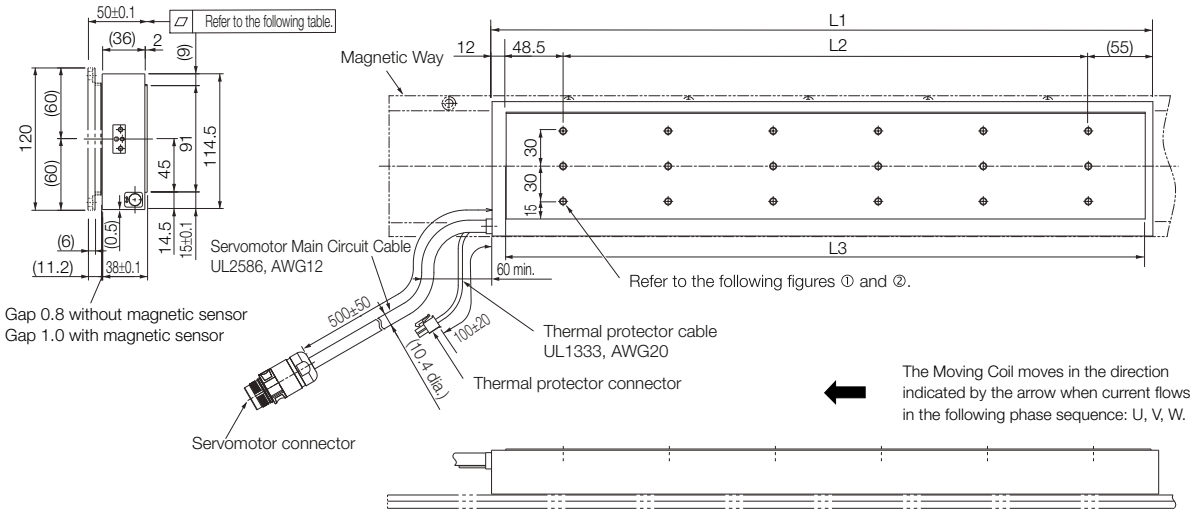


Unit: mm

Moving Coil Model SGLFW2-	L1	L2	L3	Flatness	Approx. Mass [kg]
90D200AS	205	89.5	187	0.2	5.3
90D380AS	384	268.5	365.5	0.3	10.1
90D560AS	563	447.5	544	0.3	14.9

Refer to the following section for the connector specifications for the Sensor Cable and Servomotor Main Circuit Cable or Moving Coils with Polarity Sens··· SGLFW2-90 and -1D.

Moving Coils without Polarity Sensors: SGLFW2-90D□□□AT

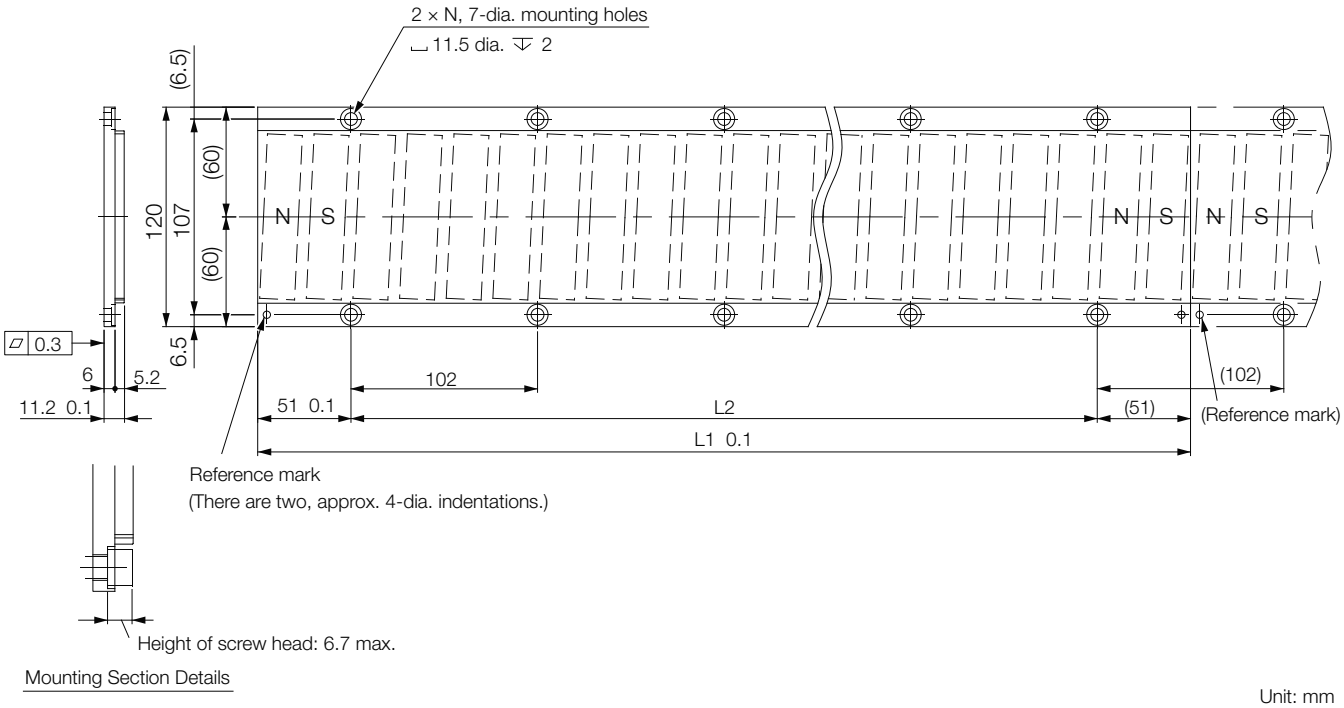


Unit: mm

Moving Coil Model SGLFW2-	L1	L2	L3	Flatness	Approx. Mass [kg]
90D200AT	205	89.5	187	0.2	5.3
90D380AT	384	268.5	365.5	0.3	10.1

Refer to the following section for the connector specifications for the Sensor Cable and Servomotor Main Circuit Cable or Moving Coils with Polarity Sensors: SGLFW2-90 and -1D.

Magnetic Ways: SGLFM2-90□□□A



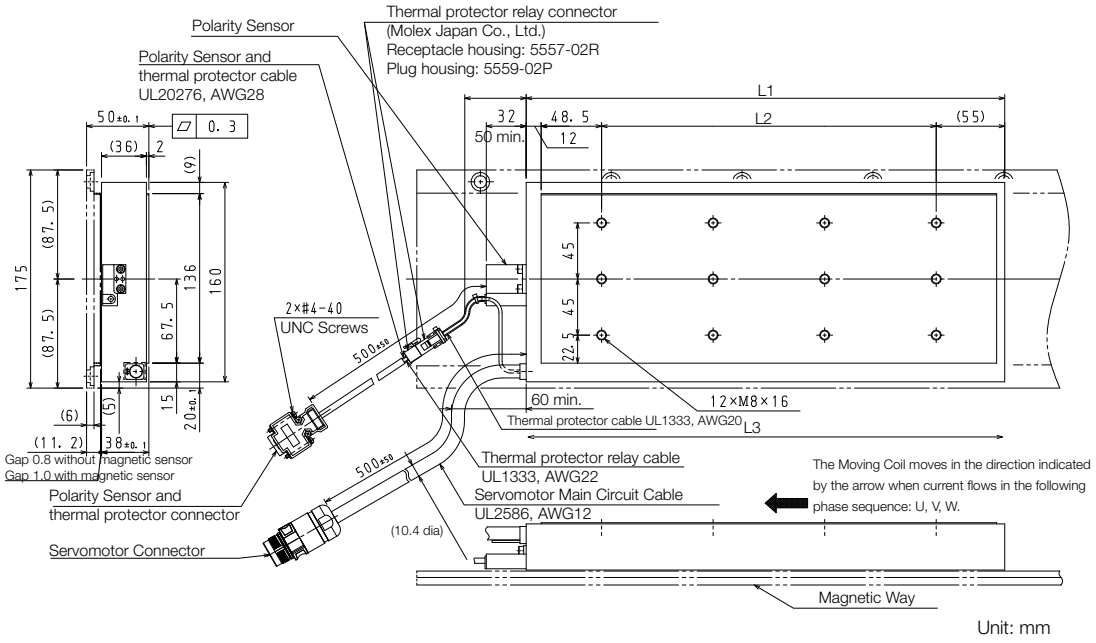
Unit: mm

Note:
More than one Magnetic Way can be connected. Connect the Magnetic Ways so that the reference marks on them are aligned in the same direction as shown in the figure.

Magnetic Way Model SGLFM2-	L1±0.1	L2	N	Approx. Mass [kg]
90306A	306	204 (102 × 2)	3	2.6
90510A	510	408 (102 × 4)	5	4.2
90714A	714	612 (102 × 6)	7	5.9

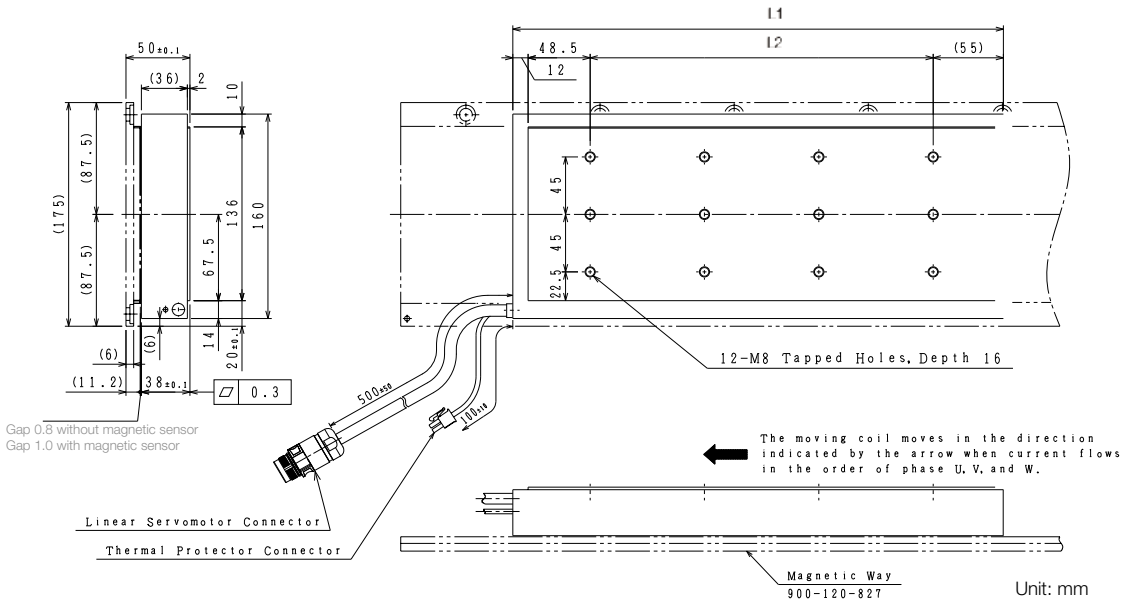
SGLFW2-1D

Moving Coils with Polarity Sensors: SGLFW2-1DD□□□AS



Unit: mm

Moving Coils without Polarity Sensors: SGLFW2-1DD□□□AT



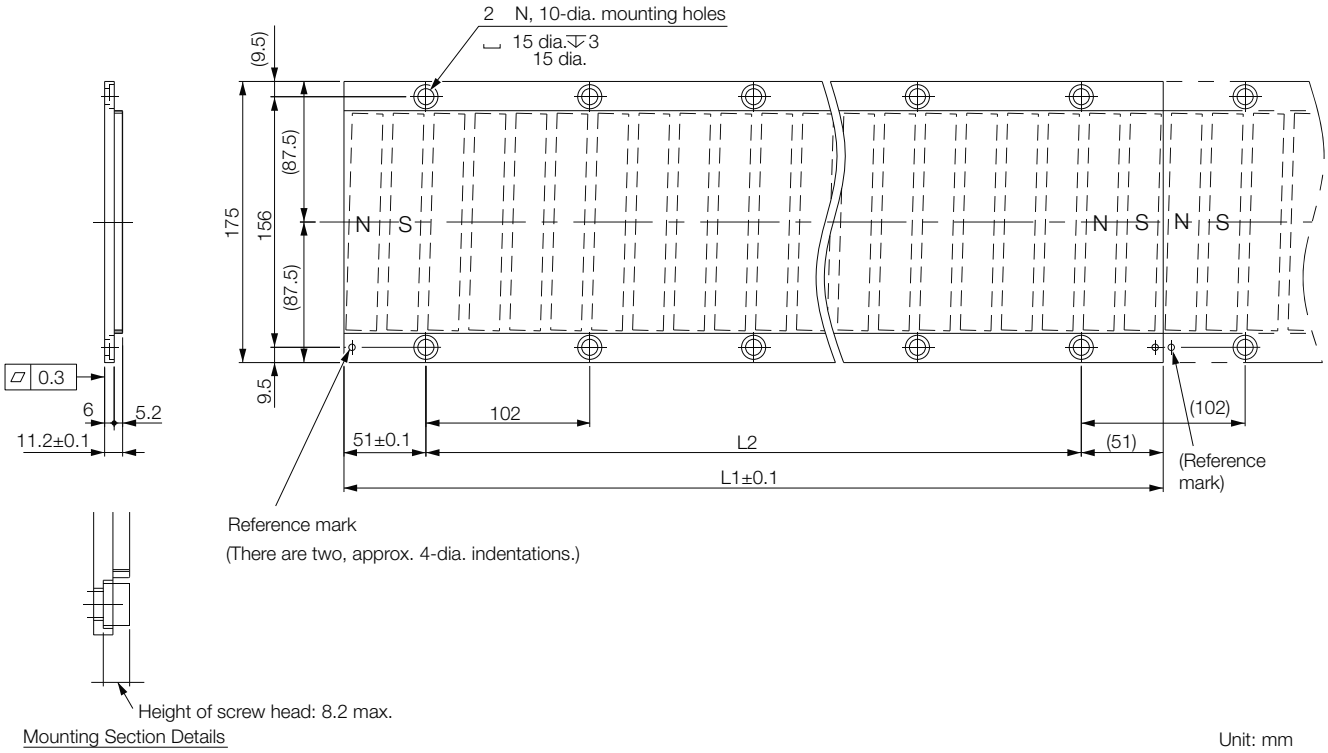
Unit: mm

Refer to the following section for the connector specifications for the Sensor Cable and Servomotor Main Circuit Cable or Moving Coils with Polarity Sensors: SGLFW2-90 and -1D.

Moving Coil Model SGLFW2-	L1	L2	L3	Flatness	Approx. Mass [kg]
1DD380A□	384	268.5	365.5	0.3	14.6
1DD560A□	563	447.5	544	0.3	21.5

Refer to the following section for the connector specifications for the Sensor Cable and Servomotor Main Circuit Cable or Moving Coils with Polarity Sensors: SGLFW2-90 and -1D.

Magnetic Ways: SGLFM2-1D□□□A



Unit: mm

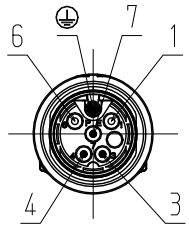
Note:
More than one Magnetic Way can be connected. Connect the Magnetic Ways so that the reference marks on them are aligned in the same direction as shown in the figure.

Magnetic Way Model SGLFM2-	L1±0.1	L2	N	Approx. Mass [kg]
1D306A	306	204 (102 × 2)	3	3.7
1D510A	510	408 (102 × 4)	5	6.2
1D714A	714	612 (102 × 6)	7	8.6

Connector Specifications

Moving Coils with Polarity Sensors: SGLFW2-30 and -45

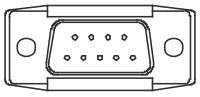
- Servomotor Connector



Connector: ST-5EP1N8A9003S (1607706)
Contact: ST-10KP030 (1618261)
From Phoenix Contact GmbH & Co. KG

1	-
3	Phase U
4	Phase V
6	-
7	Phase W
Ground	FG
Case	Shield

- Polarity Sensor and Thermostat Connector



Pin connector: 17JE-23090-02 (D8C) -CG
From DDK Ltd.

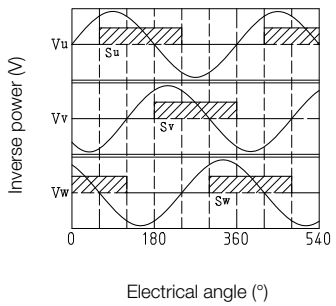
Mating Connector
Socket connector: 17JE-13090-02 (D8C) A-CG
Studs: 17L-002C or 17L-002C1

1	+5 V (thermal protector) +5 V (power supply)
2	Su
3	Sv
4	Sw
5	0 V (power supply)
6	
7	Not used
8	
9	Thermal protector

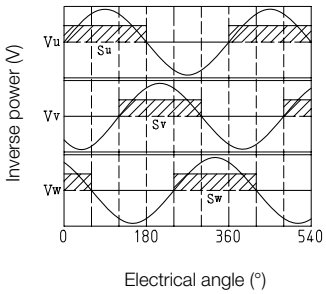
- Polarity Sensor Output Signal

The following figures show the relationship between the Su, Sv, and Sw polarity sensor output signals and the inverse power of each motor phase Vu, Vv, and Vw when the Moving Coil moves in the direction indicated by the arrow in the dimensional drawings of the Moving Coil.

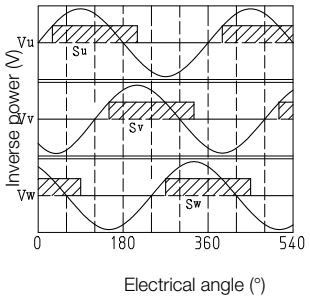
SGLFW2-30D070AS



SGLFW2-30D120AS
SGLFW2-30D230AS

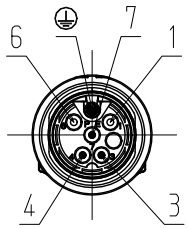


SGLFW2-45D200AS
SGLFW2-45D380AS



Moving Coils without Polarity Sensors: SGLFW2-30 and -45

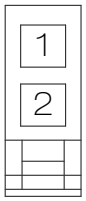
- Servomotor Connector



Connector: ST-5EP1N8A9003S (1607706)
Contact: ST-10KP030 (1618261)
From Phoenix Contact GmbH & Co. KG

1	-
3	Phase U
4	Phase V
6	-
7	Phase W
Ground	FG
Case	Shield

- Thermostat Connector



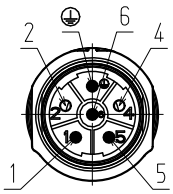
Receptacle housing: 5557-02R
Terminals: 5556T or 5556TL
From Molex Japan Co., Ltd.

Mating Connector
Plug housing: 5559-02P
Terminals: 5558T or 5558TL

1	Thermal protector
2	Thermal protector

Moving Coils with Polarity Sensors: SGLFW2-90 and -1D

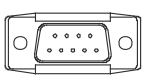
- Servomotor Connector



Connector: SF-5EP1N8A90A2 (1605496)
Contact: SF-7MP2000 (1605626)
From Phoenix Contact GmbH & Co. KG

1	Phase V
2	-
4	-
5	Phase U
6	Phase W
Ground	FG
Case	Shield

- Polarity Sensor and Thermostat Connector



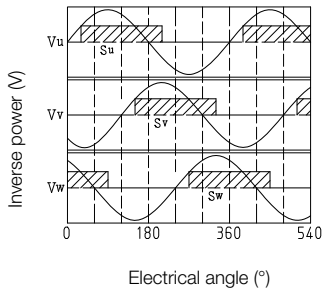
Pin connector: 17JE-23090-02 (D8C) -CG
From DDK Ltd.

Mating Connector
Socket connector: 17JE-13090-02 (D8C) A-CG
Studs: 17L-002C or 17L-002C1

1	+5 V (thermal protector) +5 V (power supply)
2	Su
3	Sv
4	Sw
5	0 V (power supply)
6	
7	Not used
8	
9	Thermal protector

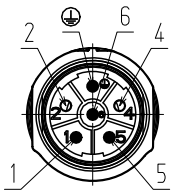
• Polarity Sensor Output Signal

The figure on the right shows the relationship between the Su, Sv, and Sw polarity sensor output signals and the inverse power of each motor phase Vu, Vv, and Vw when the Moving Coil moves in the direction indicated by the arrow in the dimensional drawings of the Moving Coil.



Moving Coils without Polarity Sensors: SGLFW2-90D and -1DD

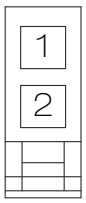
• Servomotor Connector



Connector: SF-5EP1N8A90A2 (1605496)
Contact: SF-7MP2000 (1605626)
From Phoenix Contact GmbH & Co. KG

1	Phase V
2	-
4	-
5	Phase U
6	Phase W
Ground	FG
Case	Shield

• Thermostat Connector

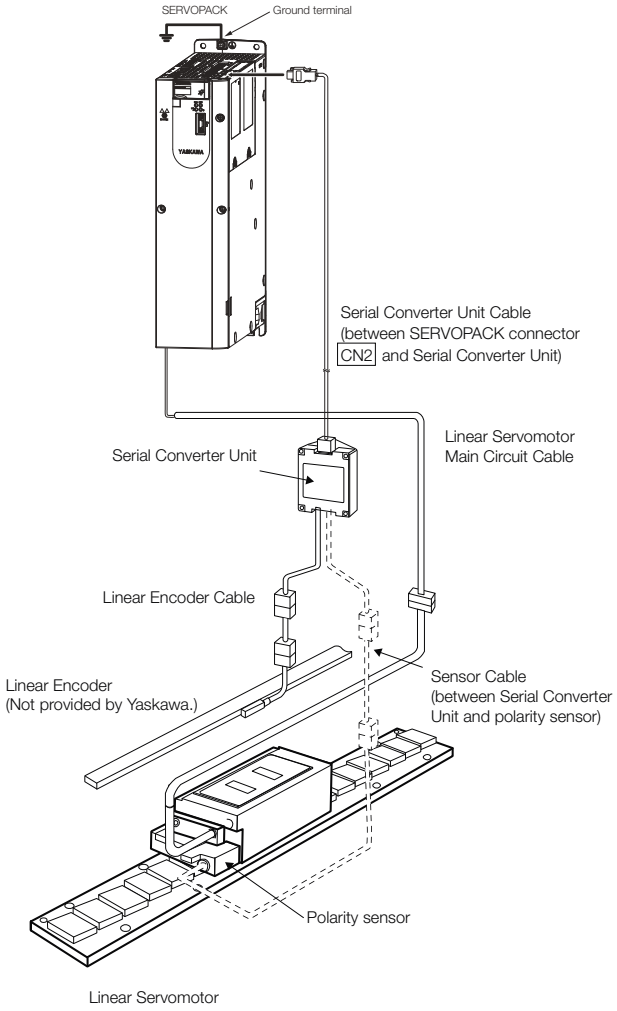


Receptacle housing: 5557-02R
Terminals: 5556T or 5556TL
From Molex Japan Co., Ltd.

Mating Connector
Plug housing: 5559-02P
Terminals: 5558T or 5558TL

1	Thermal protector
2	Thermal protector

System Configurations



* You can connect directly to an absolute linear encoder.

Notes:

1. The above system configurations are for SGLFW2 Servomotors with F-Type Iron Cores (with thermal protectors). Refer to the manual for the Linear Servomotor for configurations with other models.
2. Refer to the following manual for the following information.
   - Cable dimensional drawings and cable connection specifications
   - Order numbers and specifications of individual connectors for cables
   - Order numbers and specifications for wiring materials

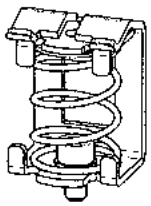
Sigma-7-Series AC Servo Drive Peripheral Device Selection Manual.

Power Cables for Linear Servomotors

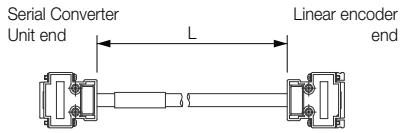
Linear Motor Model	Cable & connector type	Length	Order No.	Specification
SGLFW2-30D070 to SGLFW2-45D380	Flexible Power cable 4 x 1.5 mm² with M17 connector	3 m	JZSP-C7M143-03-E-G6	
		5 m	JZSP-C7M143-05-E-G6	
		10 m	JZSP-C7M143-10-E-G6	
		15 m	JZSP-C7M143-15-E-G6	
		20 m	JZSP-C7M143-20-E-G6	
SGLFW2-90D200 to SGLFW2-1DD380	Flexible Power cable 4 x 2.5 mm² with M23 connector	3 m	JZSP-C7M154-03-E-G6	
		5 m	JZSP-C7M154-05-E-G6	
		10 m	JZSP-C7M154-10-E-G6	
		15 m	JZSP-C7M154-15-E-G6	
		20 m	JZSP-C7M154-20-E-G6	
SGLFW2-1DD560	Flexible Power cable 4 x 4 mm² with M23 connector	3 m	JZSP-C7M164-03-E-G6	
		5 m	JZSP-C7M164-05-E-G6	
		10 m	JZSP-C7M164-10-E-G6	
		15 m	JZSP-C7M164-15-E-G6	
		20 m	JZSP-C7M164-20-E-G6	

Motor Connection Shielding Clamp

Shielding clamp mountable on Sigma-7 400 V SERVOPACKs up to 15 kW.
Contact your YASKAWA representative for more information.

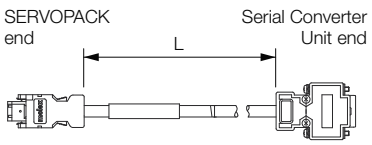
SERVOPACK Model	Order No.	Specification
Sigma-7 400 V up to 3.0 kW	KLBUE 4-13.5_SC	
Sigma-7 400 V from 5 kW up to 7.5 kW	KLBUE 10-20_SC	
Sigma-7 400 V for 11 kW & 15 kW	KLBUE 15-32_SC	

Linear Encoder Cables

Servomotor Model		Length*	Order No.	Specification
All Models	For linear encoder from Renishaw PLC	1m	JZSP-CLL00-01-E	
		3m	JZSP-CLL00-03-E	
		5m	JZSP-CLL00-05-E	
		10m	JZSP-CLL00-10-E	
		15m	JZSP-CLL00-15-E	
	For linear encoder from Heidenhain Corporation	1m	JZSP-CLL30-01-E	
		3m	JZSP-CLL30-03-E	
		5m	JZSP-CLL30-05E	
		10m	JZSP-CLL30-10-E	
		15m	JZSP-CLL30-15-E	

* When using a JZDP-J00□-□□□-E Serial Converter Unit, do not exceed a cable length of 3m.

Serial Converter Unit Cables

Servomotor Model	Length	Order No.	Specification
All Models	1m	JZSP-CLP70-01-E	
	3m	JZSP-CLP70-03-E	
	5m	JZSP-CLP70-05-E	
	10m	JZSP-CLP70-10-E	
	15m	JZSP-CLP70-15-E	
	20m	JZSP-CLP70-20-E	

Servoamplifier Connector

Connector Kit : JZSP-CMP9-1-E-G1
Receptacle hosung: 55100-0670 (soldered)
From Molex Japan Co., Ltd.

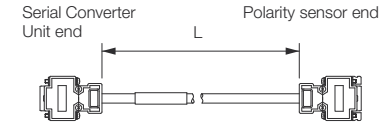
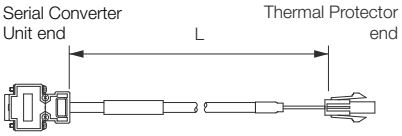
Pin No.	Function	Wire Color
Shell	FG	Shield
1	PG 5V	White
2	PG 0V	Brown
3	–	Grey
4	–	Pink
5	PS	Green
6	/PS	Yellow

Serial Converter Connector

Connector Kit: 17JE-23090-02 (D8C)
From DDK Ltd.

Pin No.	Function	Wire Color
Shell	FG	Shield
1	PG +˝5V	White
2	PS	Green
3	–	–
4	–	–
5	PG 0V	Brown
6	/PS	Yellow
7	–	–
8	–	–
9	–	–

Sensor Cables

Servomotor Model	Length	Order No.	Specification
SGLFW2-□□A□□□AS□ (with Polarity Sensor)	1m	JZSP-CL2L100-01-E	
	3m	JZSP-CL2L100-03-E	
	5m	JZSP-CL2L100-05-E	
	10m	JZSP-CL2L100-10-E	
	15m	JZSP-CL2L100-15-E	
SGLFW2-□□A□□□AT□ (without Polarity Sensor)	1m	JZSP-CL2TH00-01-E	
	3m	JZSP-CL2TH00-03-E	
	5m	JZSP-CL2TH00-05E	
	10m	JZSP-CL2TH00-10-E	
	15m	JZSP-CL2TH00-15-E	

Single Axis

SGD7S-□□□DA0B

EtherCAT
Communication
Reference

SGD7S-□□□D30B

MECHATROLINK-III
Communication
Reference

SGD7S-□□□DC0B

PROFINET
Communication
Reference

SGD7S-□□□DM0B

Siec (with integrated
iec-Controller)

Dual Axis

SGD7W-□□□DA0B

EtherCAT
Communication
Reference

SGD7W-□□□D30B

MECHATROLINK-III
Communication
Reference