

86 mm sq.

1.8°/step **RoHS**

Unipolar winding, Lead wire type

Unipolar winding, Lead wire type CE/UL model

Bipolar winding, Lead wire type ▶ p. 64

Bipolar winding, Lead wire type CE/UL model ▶ p. 64

Bipolar winding, Terminal block type CE/UL model ▶ p. 64

Customizing

Hollow **Shaft modification**

Encoder

Varies depending on the model number and quantity. Contact us for details.

Unipolar winding, Lead wire type

Model no.		Holding torque at 2-phase energization	Rated current	Wiring resistance	Winding inductance	Rotor inertia	Mass	Motor length (L)
Single shaft	Dual shaft	N·m min.	A/phase	Ω/phase	mH/phase	×10 ⁻⁴ kg·m ²	kg	mm
SH2861-0441	SH2861-0411	2.5	2	2.3	8.0	1.48	1.75	66
SH2861-0941	SH2861-0911	2.5	4	0.6	2.0	1.48	1.75	66
SH2862-0441	SH2862-0411	4.7	2	3.2	13.0	3.0	2.9	96.5
SH2862-0941	SH2862-0911	4.7	4	0.85	3.4	3.0	2.9	96.5
SH2863-0441	SH2863-0411	6.7	2	4.0	17.0	4.5	4.0	127
SH2863-0941	SH2863-0911	6.7	4	0.9	4.2	4.5	4.0	127

Unipolar winding, Lead wire type CE/UL model

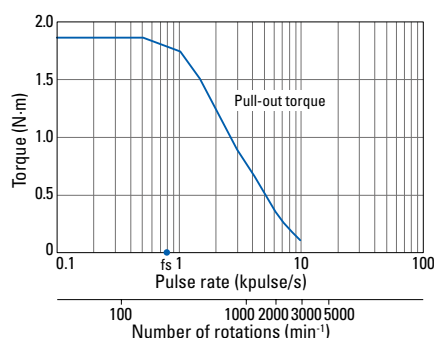
Model no.		Holding torque at 2-phase energization	Rated current	Wiring resistance	Winding inductance	Rotor inertia	Mass	Motor length (L)
Single shaft	Dual shaft	N·m min.	A/phase	Ω/phase	mH/phase	×10 ⁻⁴ kg·m ²	kg	mm
SM2861-0451	SM2861-0421	2.5	2	2.3	8.0	1.48	1.75	66
SM2861-0951	SM2861-0921	2.5	4	0.6	2.0	1.48	1.75	66
SM2862-0451	SM2862-0421	4.7	2	3.2	13.0	3.0	2.9	96.5
SM2862-0951	SM2862-0921	4.7	4	0.85	3.4	3.0	2.9	96.5
SM2863-0451	SM2863-0421	6.7	2	4.0	17.0	4.5	4.0	127
SM2863-0951	SM2863-0921	6.7	4	0.9	4.2	4.5	4.0	127

Characteristics diagram

SH2861-0441
SH2861-0411

SM2861-0451
SM2861-0421

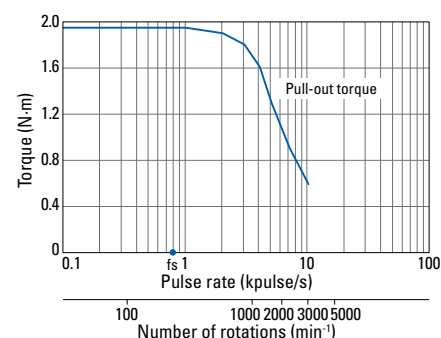
Constant current circuit
Source voltage: 100 VAC
Operating current:
2 A/phase, 2-phase
energization (full-step)
Pull-out torque:
 $J_L=7.4 \times 10^{-4} \text{ kg} \cdot \text{m}^2$ (use the
rubber coupling)
fs: Maximum self-start
frequency when not
loaded



SH2861-0941
SH2861-0911

SM2861-0951
SM2861-0921

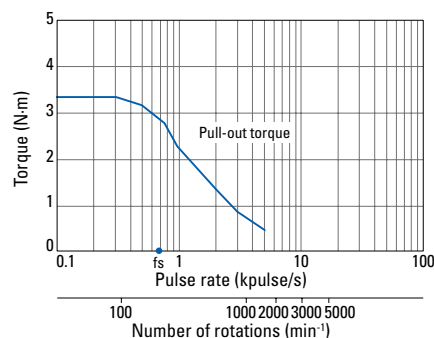
Constant current circuit
Source voltage: 100 VAC
Operating current:
4 A/phase, 2-phase
energization (full-step)
Pull-out torque:
 $J_L=7.4 \times 10^{-4} \text{ kg} \cdot \text{m}^2$ (use the
rubber coupling)
fs: Maximum self-start
frequency when not
loaded



SH2862-0441
SH2862-0411

SM2862-0451
SM2862-0421

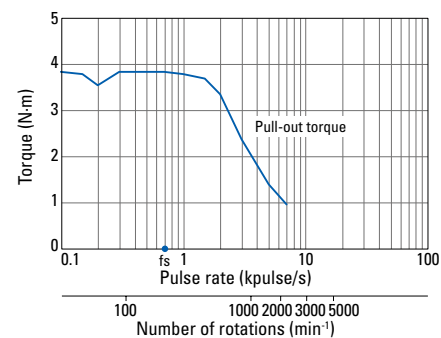
Constant current circuit
Source voltage: 100 VAC
Operating current:
2 A/phase, 2-phase
energization (full-step)
Pull-out torque:
 $J_L=15.3 \times 10^{-4} \text{ kg} \cdot \text{m}^2$ (use the
rubber coupling)
fs: Maximum self-start
frequency when not
loaded



SH2862-0941
SH2862-0911

SM2862-0951
SM2862-0921

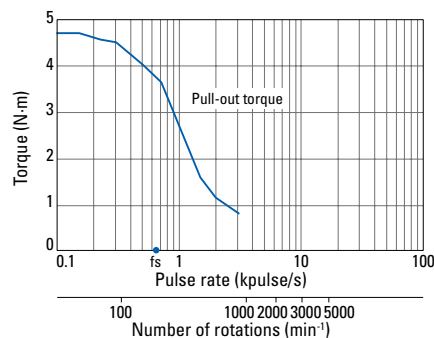
Constant current circuit
Source voltage: 100 VAC
Operating current:
4 A/phase, 2-phase
energization (full-step)
Pull-out torque:
 $J_L=15.3 \times 10^{-4} \text{ kg} \cdot \text{m}^2$ (use the
rubber coupling)
fs: Maximum self-start
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loaded



SH2863-0441
SH2863-0411

SM2863-0451
SM2863-0421

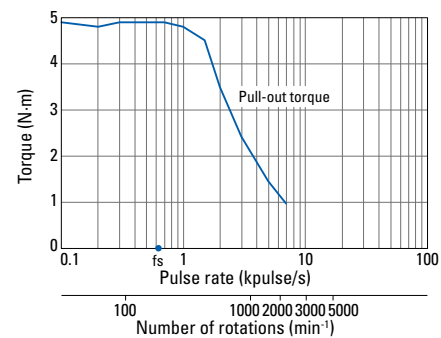
Constant current circuit
Source voltage: 100 VAC
Operating current:
2 A/phase, 2-phase
energization (full-step)
Pull-out torque:
 $J_L=15.3 \times 10^{-4} \text{ kg} \cdot \text{m}^2$ (use the
rubber coupling)
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SH2863-0941
SH2863-0911

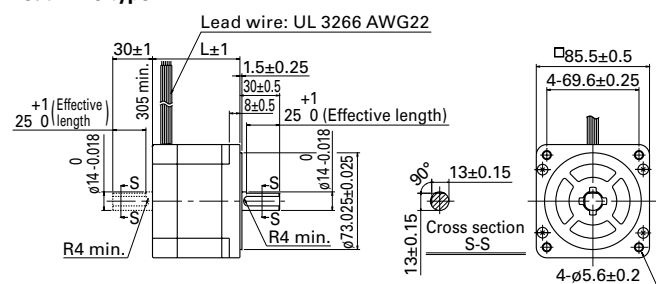
SM2863-0951
SM2863-0921

Constant current circuit
Source voltage: 100 VAC
Operating current:
4 A/phase, 2-phase
energization (full-step)
Pull-out torque:
 $J_L=15.3 \times 10^{-4} \text{ kg} \cdot \text{m}^2$ (use the
rubber coupling)
fs: Maximum self-start
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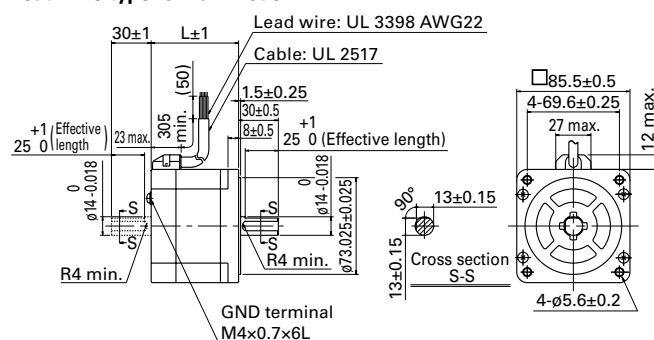


Dimensions (Unit: mm)

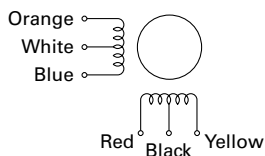
Lead wire type



Lead wire type CE/UL model



Internal wiring



Compatible drivers

Driver is not included.

If you require assistance finding a driver, contact us for details.