

86 mm sq.

1.8°/step **RoHS**

Unipolar, lead-type, CE/UKCA/UL models

Bipolar, lead-type, CE/UKCA/UL models ▶ p. 66

Bipolar, terminal block-type, CE/UKCA/UL models ▶ p. 66



Custom options

Hollow shaft **Custom shaft**

Note: Customization feasibility depends on the model number and quantity. Contact us for details.

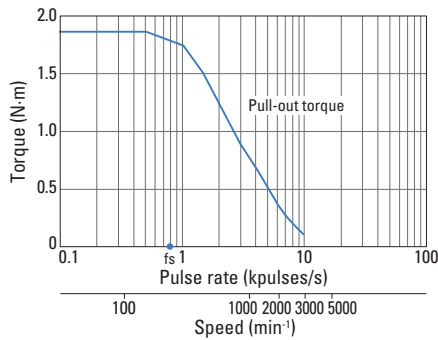
Unipolar, lead-type, CE/UKCA/UL models

Model no.		Holding torque at 2-phase excitation	Rated current	Winding resistance	Winding inductance	Rotor inertia	Mass	Motor length (L)
Single shaft	Dual shaft	N·m or more	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

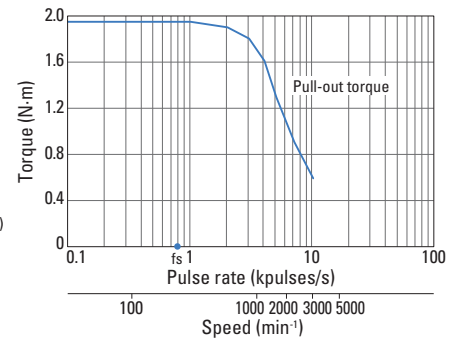
SM2861-0451 SM2861-0421

Constant current circuit
Input voltage: 100 VAC
Winding current:
2 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 7.4 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



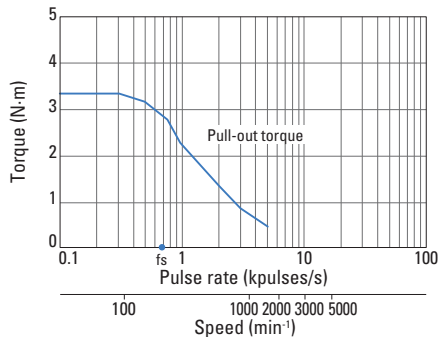
SM2861-0951 SM2861-0921

Constant current circuit
Input voltage: 100 VAC
Winding current:
4 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 7.4 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



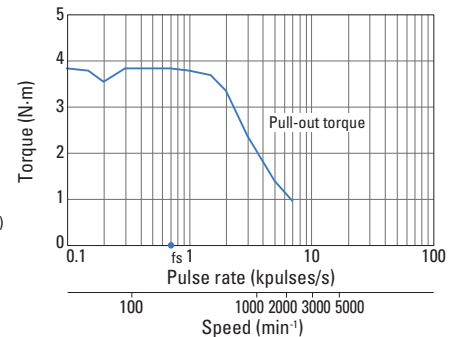
SM2862-0451 SM2862-0421

Constant current circuit
Input voltage: 100 VAC
Winding current:
2 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 15.3 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



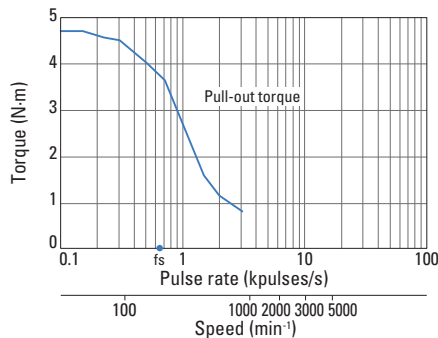
SM2862-0951 SM2862-0921

Constant current circuit
Input voltage: 100 VAC
Winding current:
4 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 15.3 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



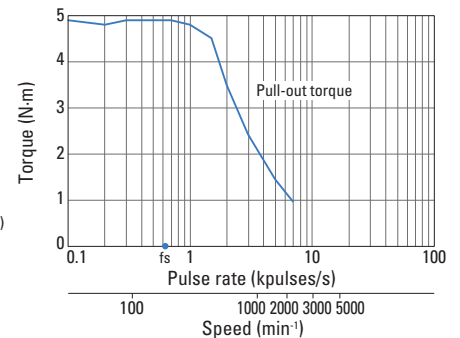
SM2863-0451 SM2863-0421

Constant current circuit
Input voltage: 100 VAC
Winding current:
2 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 15.3 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load

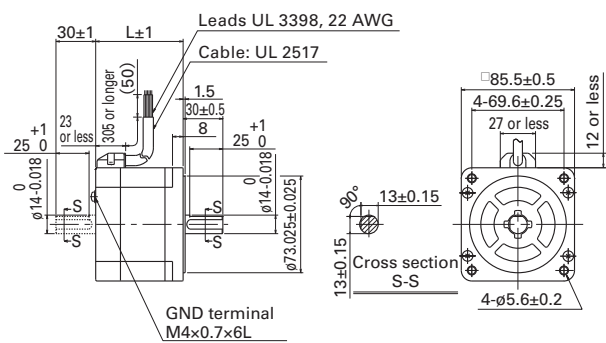


SM2863-0951 SM2863-0921

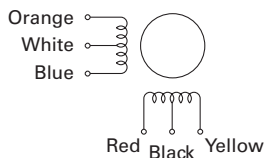
Constant current circuit
Input voltage: 100 VAC
Winding current:
4 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 15.3 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



Dimensions (Unit: mm)



Internal winding



Compatible drivers

A driver is to be provided by the customer.

DC Input Set Orders and Drivers

Stepping Motors

IP65-Rated Stepping Motors

In-Vacuum Stepping Motors

Synchronous Motors