



28 mm sq.

1.8°/step **RoHS**

Bipolar, lead type
Unipolar, lead type ▶ p. 37



Custom options

- Hollow shaft Custom shaft
- Gear Encoder

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

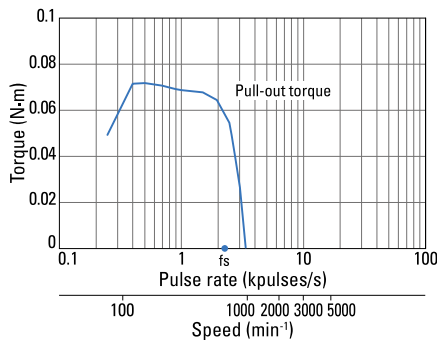
Bipolar, lead type

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
SH2281-5671	SH2281-5631	0.07	0.5	10.5	7.2	0.01	0.11	32
SH2281-5771	SH2281-5731	0.07	1	2.6	1.85	0.01	0.11	32
SH2285-5671	SH2285-5631	0.145	0.5	15	13.5	0.022	0.2	51.5
SH2285-5771	SH2285-5731	0.145	1	3.75	3.4	0.022	0.2	51.5

Characteristics

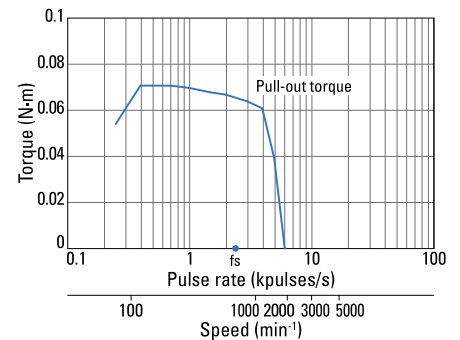
SH2281-5671 SH2281-5631

Constant current circuit
Input voltage: 24 VDC
Winding current:
0.5 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 0.01 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(Pulley balancer method)
 f_s : Maximum starting pulse rate with no load



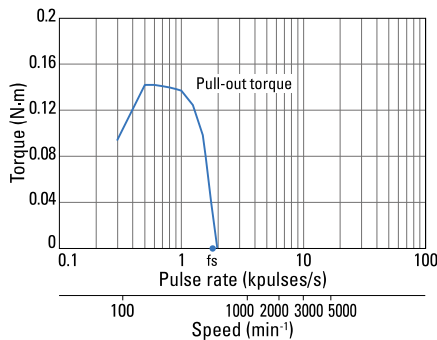
SH2281-5771 SH2281-5731

Constant current circuit
Input voltage: 24 VDC
Winding current:
1 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 0.01 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(Pulley balancer method)
 f_s : Maximum starting pulse rate with no load



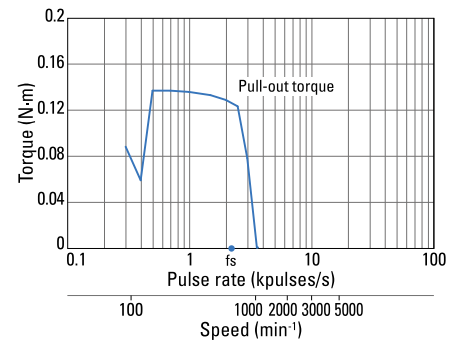
SH2285-5671 SH2285-5631

Constant current circuit
Input voltage: 24 VDC
Winding current:
0.5 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 0.01 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(Pulley balancer method)
 f_s : Maximum starting pulse rate with no load

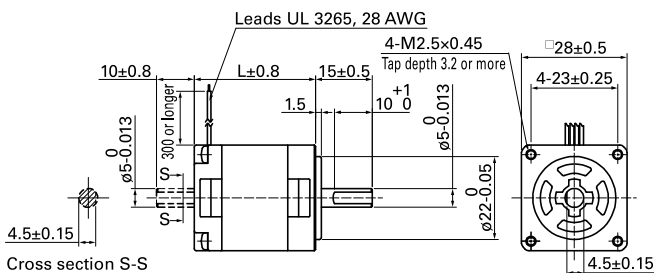


SH2285-5771 SH2285-5731

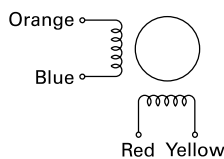
Constant current circuit
Input voltage: 24 VDC
Winding current:
1 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 0.01 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(Pulley balancer method)
 f_s : Maximum starting pulse rate with no load



Dimensions (Unit: mm)



Internal winding



Compatible drivers

- For motors SH228 □ -57 □ 1 (1 A/phase)...
Model no.: BS1D200P10 (DC input)
Operating current selection switch setting: A
- For motors other than above...
A driver is to be provided by the customer.

Note: The characteristics shown above are calculated using our experimental circuit.