

28 mm sq.

1.8°/step **RoHS**

Bipolar, lead type

Unipolar, lead type ▶ p. 43



Custom options

Hollow shaft Custom shaft

Gear Encoder

Note: Custom options availability varies depending on the model number and requested quantity. Contact us for details.

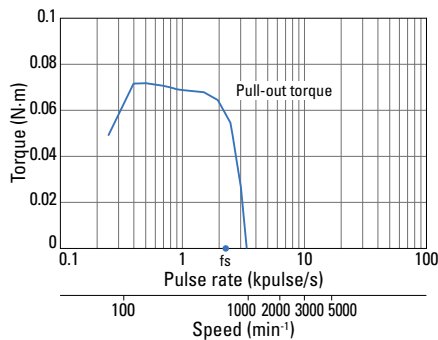
Bipolar, lead type

Model no.		Holding torque at 2-phase excitation	Rated current	Winding resistance	Winding inductance	Rotor inertia	Allowable radial load	Allowable thrust load	Mass	Motor length (L)
Single shaft	Dual shaft	N·m or more	A/phase	Ω/phase	mH/phase	× 10 ⁻⁴ kg·m ²	N	N	kg	mm
SH2281-5671	SH2281-5631	0.07	0.5	10.5	7.2	0.01	42	3	0.11	32
SH2281-5771	SH2281-5731	0.07	1	2.6	1.85	0.01	42	3	0.11	32
SH2285-5671	SH2285-5631	0.145	0.5	15	13.5	0.022	49	3	0.2	51.5
SH2285-5771	SH2285-5731	0.145	1	3.75	3.4	0.022	49	3	0.2	51.5

Characteristics

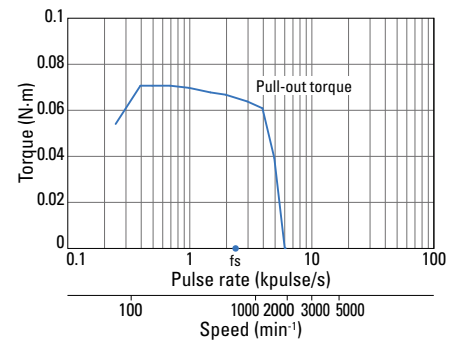
SH2281-5671 SH2281-5631

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



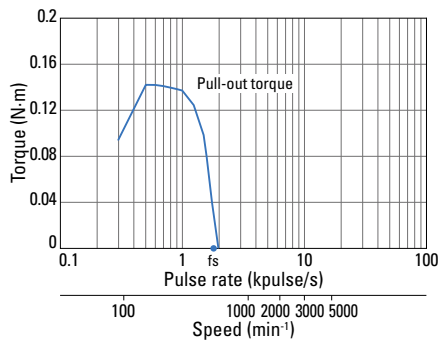
SH2281-5771 SH2281-5731

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



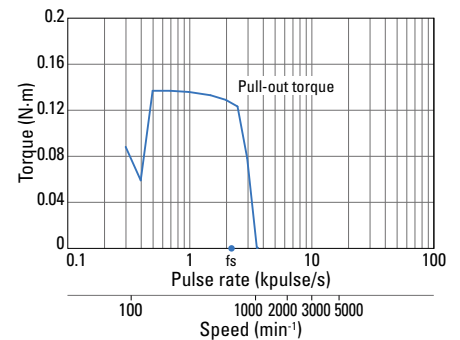
SH2285-5671 SH2285-5631

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

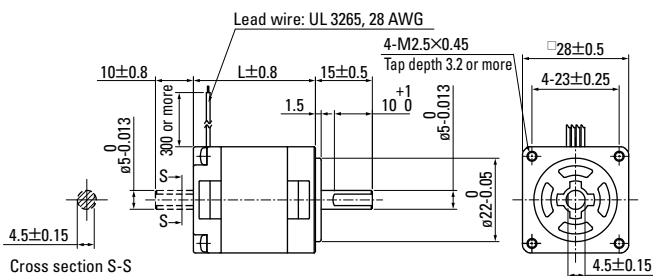


SH2285-5771 SH2285-5731

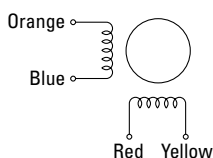
Constant current circuit
Input voltage: 24 VDC
Winding current: 1 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 0.01 \times 10^{-4} \text{kg} \cdot \text{m}^2$
(Pulley balancer method)
 f_s : Maximum starting pulse rate with no load



Dimensions (Unit: mm)



Internal winding



Compatible drivers

- For motors SH228□-57□1 (1 A/phase)...
Model no.: F2BED200P100 (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.