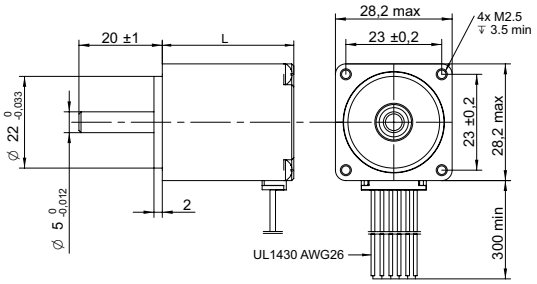
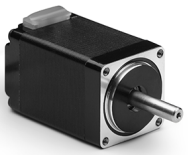
SHW28-18 | □ 28 x 28 mm | HYBRID STEPPING MOTOR

DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION

SHW28	-	STEP ANGLE	-	CURRENT

Example: SHW2832-18-067

OPTIONS DRIVER AND POWER SUPPLY

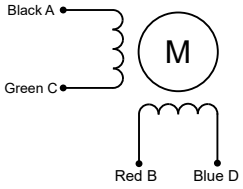


● C = customizations are offered on demand even for smaller quantities. Typical customizations are indicated with a green dot at column end. Please contact us for any customization request.

COMMON MOTOR DATA			C
Step angle	°	1.8	
Step angle accuracy[1]	%	± 5	
Shaft material		X8CrNiS18-9 | SUS303	●
Bearing type		Ball bearing	●
Radial play[2]	mm	0.02	
Axial play[2]	mm	0.08	
Max. radial force[3]	N	28	
Max. axial force	N	7	
Dielectric strength[4]	V	600	
Insulation resistance[5]	MΩ	100	
Operating temperature	°C	-20 to 50	●
Insulation class		Class B	
IP rating		IP30	●
Connection harness		UL 1061 AWG26 | 300 mm	●
Connector		Not in standard	●

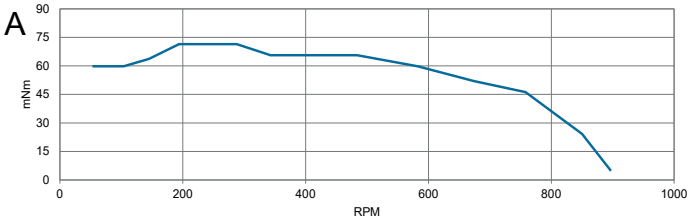
MODEL-SPECIFIC MOTOR DATA				
Model		SHW2832-18-067	SHW2845-18-067	SHW2851-18-067
Graph		A	B	C
Holding torque	mNm	60	95	120
Detent torque	mNm	5	6	8
Rotor inertia	gcm²	4	12	18
Current | phase	A	0.67	0.67	0.67
Resistance | phase	Ω	5.6	6.8	9.2
Inductance	mH	3.4	4.9	7.2
Length | L	mm	32	45	51
Weight	kg	0.11	0.14	0.2

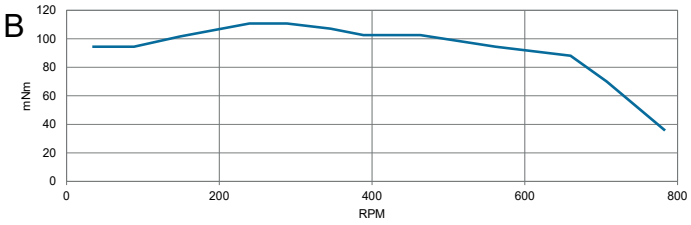
EXCITATION SEQUENCE TABLE

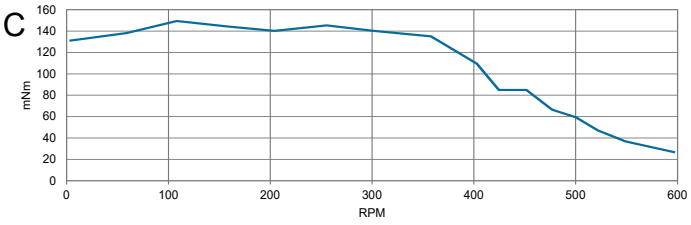


CW	A	C	B	D
1	●		●	
2		●	●	
3		●		●
4	●			●
1	●		●	

● = +Polarity







SPEED | TORQUE PERFORMANCE GRAPH PULL OUT

Graph		A	B	C
Supply voltage	V	24	24	24
Current | phase	A	0.67	0.67	0.67

NOTES

1. Full step no load.
2. 450 g load.
3. 20 mm from shaft.
4. AC, 1 second.
5. 500 V, DC.

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