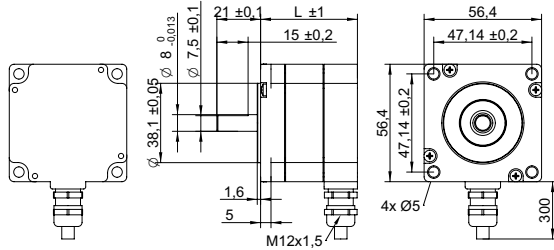


DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION



Example: SHW5747-18-280-IP65

ACCESSORIES

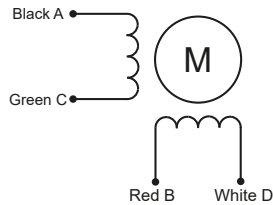


● C = customizations are offered on demand even for smaller quantities. Typical customizations are indicated with a green dot at column end. Please contact us for any customization request.

STEPPING MOTOR DATA		C
Step angle ¹	°	1.8
Step angle accuracy	%	5
Shaft material		SUS303 ●
Bearing type		Ball bearing ●
Radial play ²	mm	0.02
Axial play ²	mm	0.08
Max. radial force ³	N	75
Max. axial force	N	15
Dielectric strength ⁴	V	500
Insulation resistance ⁵	MΩ	100
Operating temperature	°C	-20 to 50 ●
Storage temperature	°C	-20 to 85
Relative humidity ⁶	%	85
Insulation class		B
IP rating		IP65 ●
Harness		UL2464 AWG22 ●
Harness length	mm	300

MODEL-SPECIFIC STEPPING MOTOR DATA		C		
Model		SHW5747-18-280-IP65	SHW5761-18-280-IP65	SHW5782-18-280-IP65
Graph		A	B	C
Holding torque	Nm	0.55	1.2	1.9
Rotor inertia	gcm ²	120	300	480
Number of phases		2	2	2
Voltage per phase	V	2.0	2.3	3.2
Current per phase	A	2.8	2.8	2.8
Resistance per phase ⁷	Ω	0.7	0.83	1.1
Inductance per phase ⁸	mH	1.4	2.8	3.8
Length	mm	46.5	60.5	81.5
Weight	kg	0.45	0.8	1.2

EXCITATION SEQUENCE TABLE



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

● = +Polarity

NOTES

1. Full step.
2. Max. 4 N.
3. 20 mm from flange.
4. AC, 60 seconds.
5. Measured at 500 V.
6. No condensation.
7. Measured at 20 °C.
8. Measured at 1 kHz.