

2-phase stepper motors

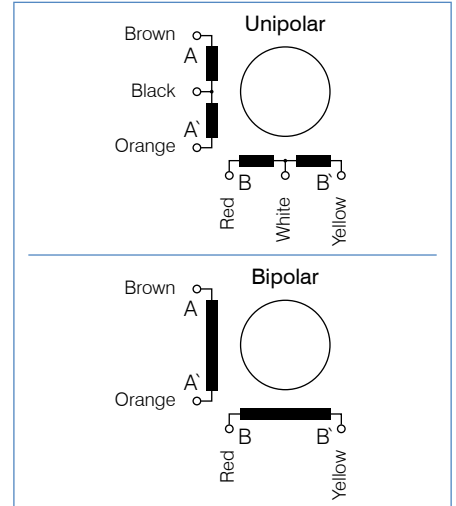
■ Type ST4209 - sizes X, S, M, L - 0.9°



Option



Pin configuration



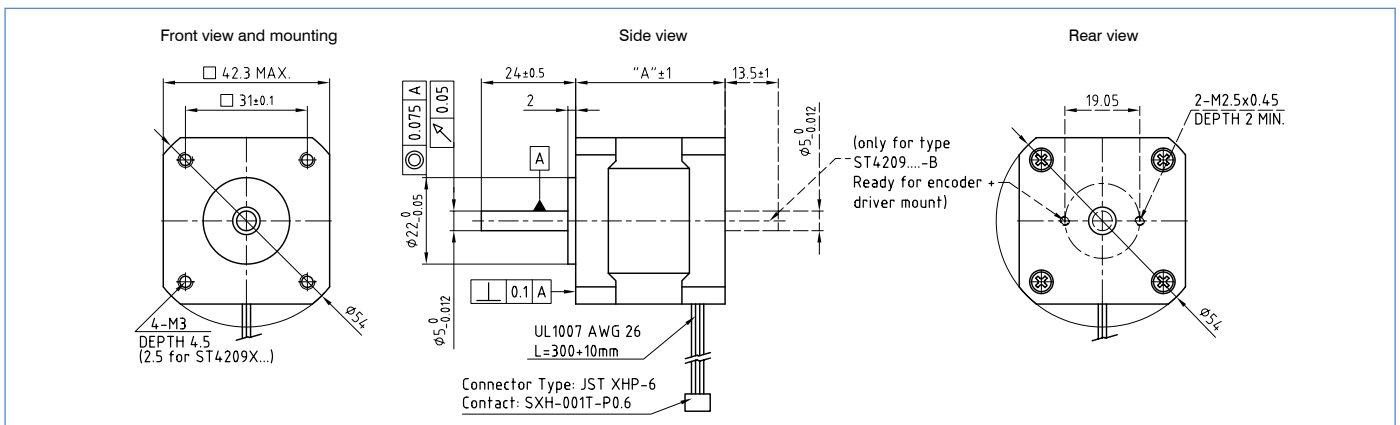
Order number

ST 4209 S 1006 - A

A = one shaft end
 B = two shaft ends
 for encoder or brake

With the highest possible torque and small dimensions, the ST4209 stepper motor series offers a high resolution and is employed with economically priced drivers for precision applications. In conjunction with a microstep driver of the SMC series and with the same or even greater resolution of <math><0.09^\circ</math>, it constitutes an extremely cost-effective alternative to the multiphase stepper motors.

Outline drawing (in mm)



Available power sizes (others on request)

Type	Current per winding A/winding	Holding torque N cm	Resistor per winding Ohm/winding	Inductance per winding mH/winding	Rotor inertia torque g cm ²	Weight kg	Length "A" mm
ST4209X1004	1.00	17.0	8.70	16.5	20	0.15	22.0
ST4209S0404	0.42	7.6	13.00	6.0	35	0.22	33.5
ST4209S1006	0.95	15.0	4.20	4.0	35	0.22	33.5
ST4209S1404	1.33	22.0	2.10	4.2	35	0.22	33.5
ST4209M1206	1.20	25.0	3.30	4.0	54	0.28	38.0
ST4209M1704	1.68	36.0	1.65	3.2	54	0.28	38.0
ST4209L1206	1.20	31.0	3.30	4.0	68	0.35	47.0
ST4209L1704	1.68	44.0	1.65	4.1	68	0.35	47.0

All data refer to 1 half of the winding or unipolar!