

# 2-phase stepper motors

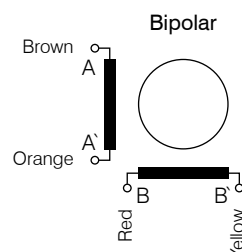
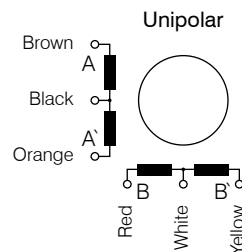
## ■ Type ST4118 - sizes S, M, L, D - 1.8



### Option



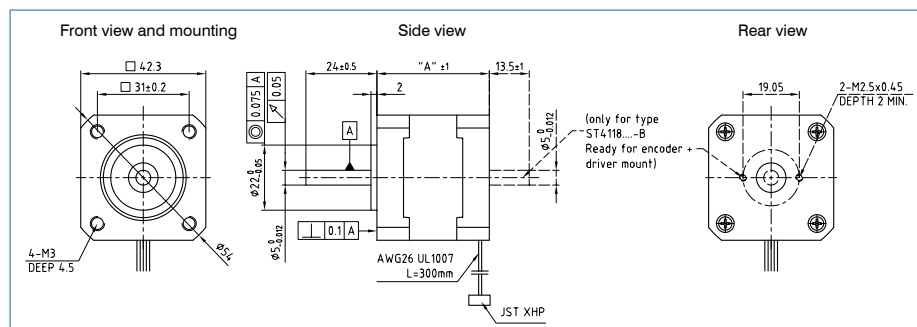
### Pin configuration



With the highest possible torque and also small dimensions, the ST4118 stepper motor series offers high resolution and is employed with economically priced drivers for precision applications. In conjunction with a microstep drivers of the IMT.. and SMC.. series and with the same or even greater resolution of  $<0.36^\circ$ , it constitutes an extremely cost-effective alternative to the multiphase stepper motors.

The ST41.. motor is a priority item, technically identical with the ST4018 but at a considerably more favorable price!

### Outline drawing (in mm)



### Order number

**ST 4118 S 1404 -A**

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

### 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 <sup>2</sup>	Weight kg	Length "A" mm
ST4118X0404	0.40	1.7	24.00	36.00	20	0.15	26
ST4118X1404	1.40	9.0	2.00	1.60	20	0.15	26
ST4118S0206	0.22	15.0	75.00	53.00	38	0.20	31
ST4118S0406	0.35	16.0	30.00	21.70	38	0.20	31
ST4118S0706	0.70	16.0	7.60	6.80	38	0.20	31
ST4118S1006	0.95	15.0	3.90	2.80	38	0.20	31
ST4118S1404	1.40	20.0	2.00	3.60	38	0.20	31
ST4118M0406	0.40	28.0	30.00	25.00	57	0.24	38
ST4118M0706	0.70	28.0	9.50	8.00	57	0.24	38
ST4118M0906	0.90	28.0	5.70	6.80	57	0.24	38
ST4118M1206	1.20	28.0	3.10	2.90	57	0.24	38
ST4118M1404	1.40	24.0	1.20	1.70	57	0.24	38
ST4118M1804	1.80	28.0	1.10	1.85	57	0.24	38
ST4118L0804	0.80	50.0	9.30	17.00	82	0.34	49
ST4118L1206	1.20	35.0	3.30	4.30	82	0.34	49
ST4118L1804	1.80	50.0	1.75	3.30	82	0.34	49
ST4118D1804	1.80	80.0	3.00	7.00	102	0.50	60

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