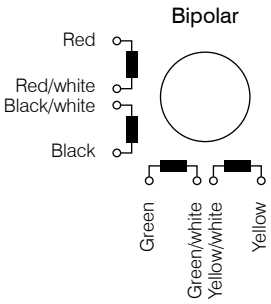
Type ST8918 - sizes S, M, L - 1.8°

Option

Pin configuration



With the highest possible torque as well as compact dimensions, the ST8918 stepper motor series offers a high resolution and is employed with economically priced drivers for precision speed and positioning applications. In conjunction with a microstep driver of the SMC series and with the same resolution of <0.36°, it constitutes an extremely cost-effective alternative to the multiphase stepper motors.

The ST8918 series is the cost-effective successor to the ST8718 series of motors.

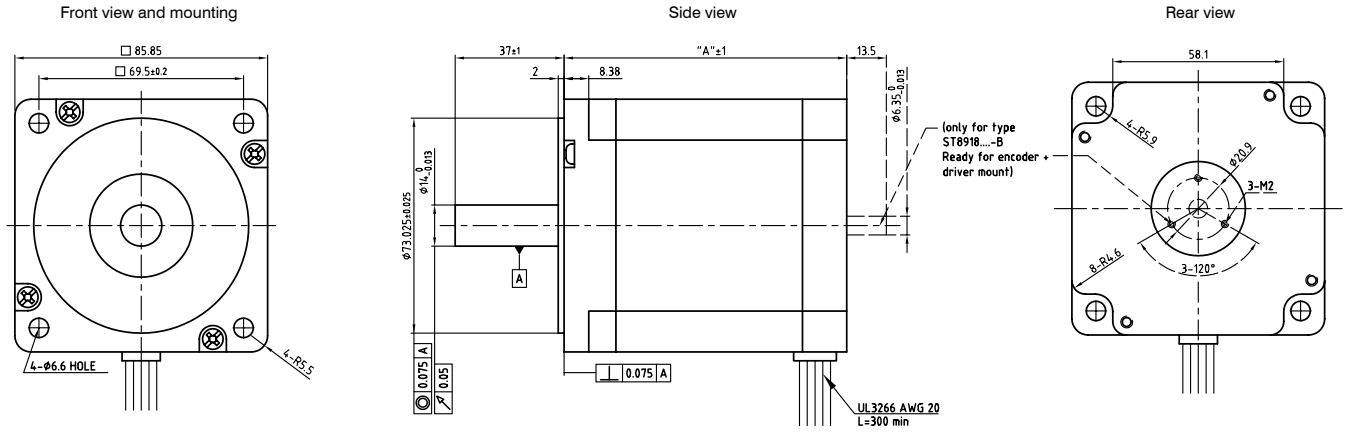
Order number

ST 8918 M 6708 -A

A = one shaft end

B = two shaft ends for encoder or brake

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 cm²	Weight kg	Length "A" mm
ST8918S4508	4.5	220	0.55	1.60	1000	1.70	65
ST8918M4508	4.5	420	0.66	3.0	1900	2.80	96
ST8918M6708	6.7	420	0.45	2.6	1900	2.80	96
ST8918L4508	4.5	660	1.10	6.3	3000	3.95	126
ST8918L6708	6.7	660	0.46	2.7	3000	3.95	126
ST8918D6708	6.7	950	0.64	4.9	4000	5.40	156

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