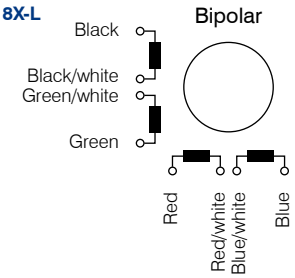
Types ST5918 - sizes X, S, M, L, D - 1.8°

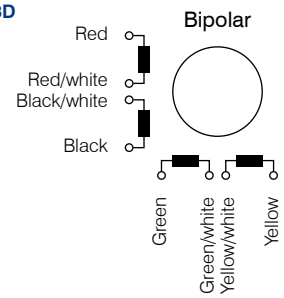
Option

Pin configuration

ST5918X-L



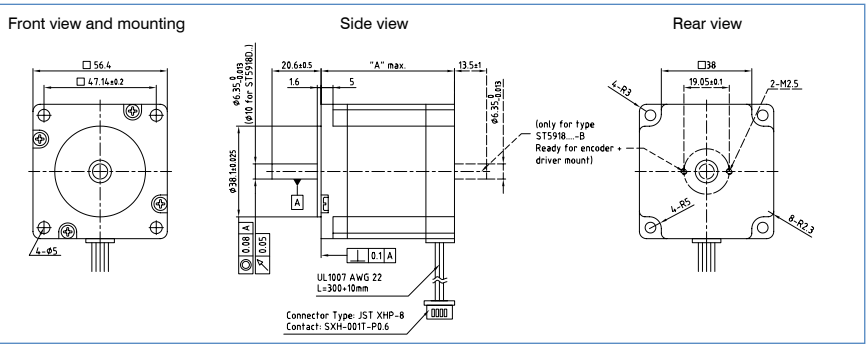
ST5918D



With the highest possible torque as well as compact dimensions, the ST5918 stepper motor series offers a high resolution and is employed with economically priced drivers for precision speed and positioning applications. In conjunction with the microstep drivers IMT.. and SMC.. and with the same resolution of <0.36°, it constitutes an extremely cost-effective alternative to the multiphase stepper motors.

The ST5918D4208 is currently the most powerful stepper motor of the 56 series on the market and was primarily developed for users with only restricted installation space available, but which is too large for the next bigger series, ST8918.

Outline drawing (in mm)



Order number

ST 5918 X 1008 - 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 cm²	Weight kg	Length "A" mm
ST5918X1008	1.0	38	5.00	5.40	135	0.49	41
ST5918X2008	2.0	38	1.20	1.30	135	0.49	41
ST5918X3008	3.0	38	0.50	0.54	135	0.49	41
ST5918S1008	1.0	65	6.20	9.70	275	0.65	51
ST5918S2008	2.0	60	1.50	2.60	275	0.65	51
ST5918S3008	3.0	65	0.72	1.10	275	0.65	51
ST5918M1008	1.0	74	6.90	14.0	300	0.70	56
ST5918M2008	2.0	74	1.70	3.60	300	0.70	56
ST5918M3008	3.0	80	0.70	1.30	300	0.70	56
ST5918L1008	1.0	120	8.80	19.0	480	1.00	76
ST5918L2008	2.0	140	2.40	5.10	480	1.00	76
ST5918L3008	3.0	140	1.00	2.20	480	1.00	76
ST5918D4208	4.2	180	1.00	2.60	650	1.80	115

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