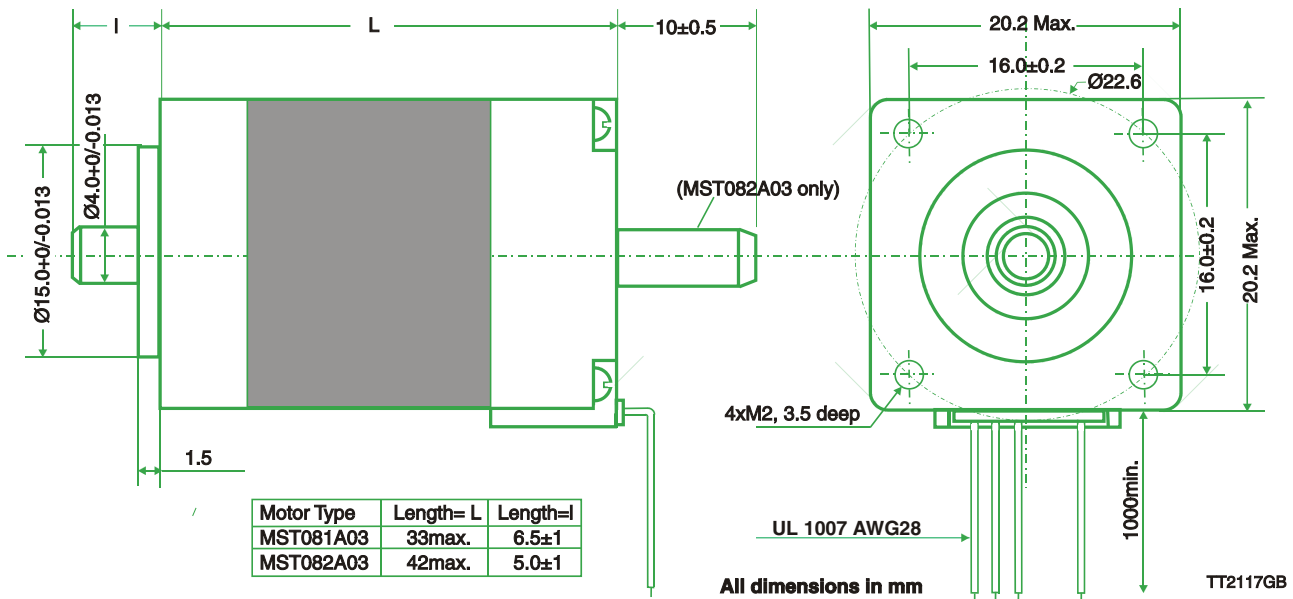


Mini Step Motors MST081A03 and MST082A03



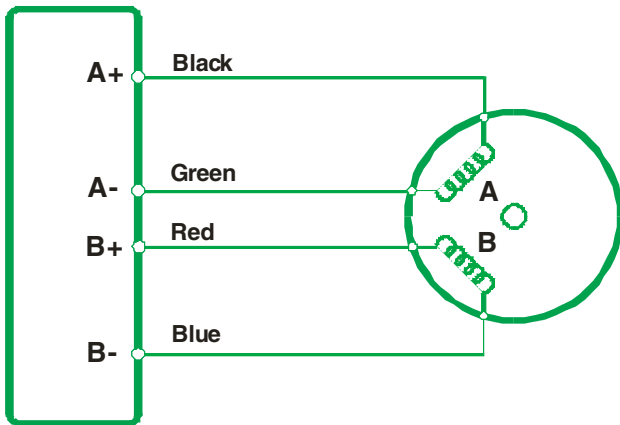
General specifications	Electrical specifications			
	MST081A03	MST082A03		
Step angle	1.8 Deg±5%	Rated voltage	MST081A03: 3.9V	MST082A03: 4.32V
Number of phases	2	Rate current	MST081A03: 0.6A	MST082A03: 0.8A
Insulation resistance	100Mohm Min. (500VDC)	Resistance per phase	MST081A03: 6.5±10% ohm	MST082A03: 5.4±10% ohm
Insulation class	Class B	Inductance per phase	MST081A03: 1.7±20% mH	MST082A03: 1.5mH±20%
Rotor inertia	2.0 gcm ²	Holding torque	MST081A03: 18 mNm	MST082A03: 30 mNm
Weight:	65 grammes	Detent torque	MST081A03: gcm	MST082A03: gcm

Mini Step Motors MST081A08 and MST082A08

Connections

The small mini step motors MST081A08 and MST082A08 are designed to be used in applications where dimensions and weight must be as small as possible. Both have flanges of only 20x20mm and where MST081 is 33mm in length, MST is 42, but then also includes double shaft.

The motors can be connected directly to the range of JVL drivers and controllers as shown below.



Driver/Controller

TT2118GB

Motor

Recommended Drivers

All JVL step motor drivers and controller can be used with the MST081A08 and MST082A08 mini step motors. The Step motor drivers SMD41 or the SMD73, which is a compact circuit board, possibly with ready-made cables, can be recommended due to their small size.



Step motor driver SMD41



Step motor driver SMD73



Step motor controller SMC35A



JVL Industri Elektronik A/S
Blokken 42
DK-3460 Birkerød, Denmark
Tel: +45 4582 4440
Fax: +45 4582 5550
E-mail: jvl@jvl.dk www.jvl.dk