

**GEEPLUS****BRS1212-95**

Device drawn with shaft aligned to mid position

Nominal 95Ω parallel, 380Ω series connection

Rotor Inertia 0.035 gcm^2

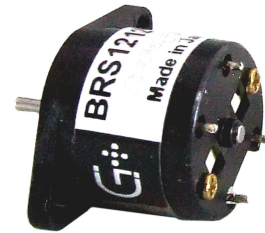
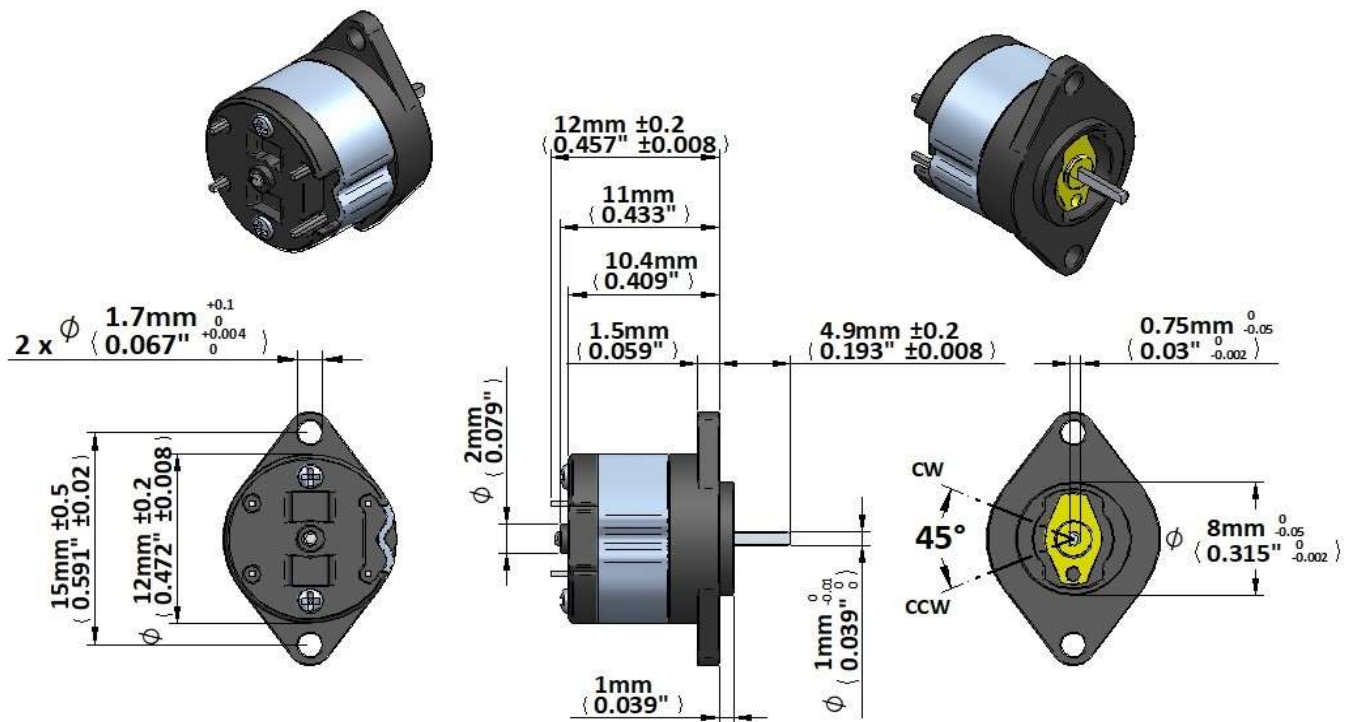
Life Expectancy $>100\text{k}$ cycles, 1gcm^2 load

Life Expectancy $>1\text{M}$ cycles, no load

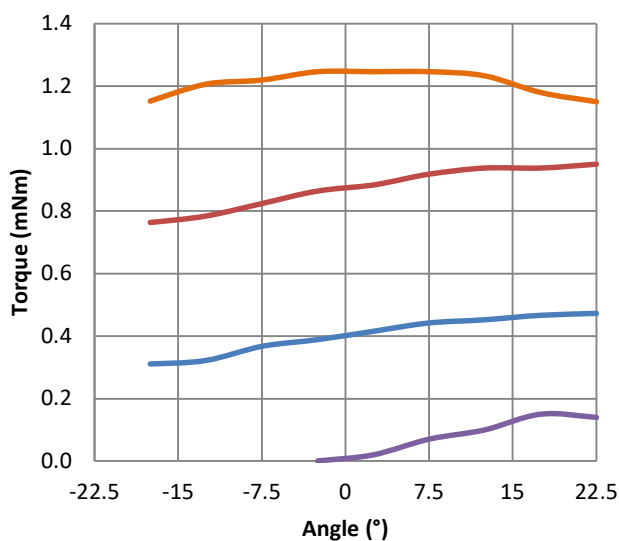
Optimal rotation $\pm 22.5^\circ$, Mass 3.5 grammes

Insulation Resistance $>50\text{M}\Omega$, 500VDC Megger

Dielectric Strength 300vAC, 50/60Hz, 1 second

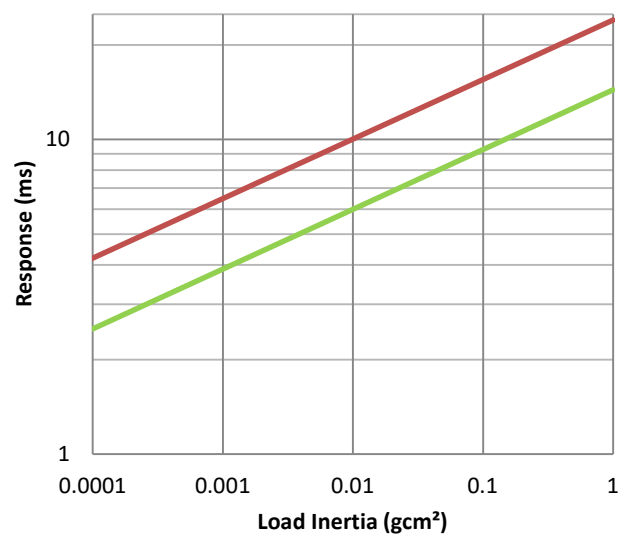


Typical Torque (mNm) vs Angle



— 53mA, 5v — 120mA, 12v
— 204mA, 20v — Detent

Typical Response (ms) vs Load Inertia (gcm^2)



— 53mA, 5v, Parallel — 126mA, 12v, Parallel

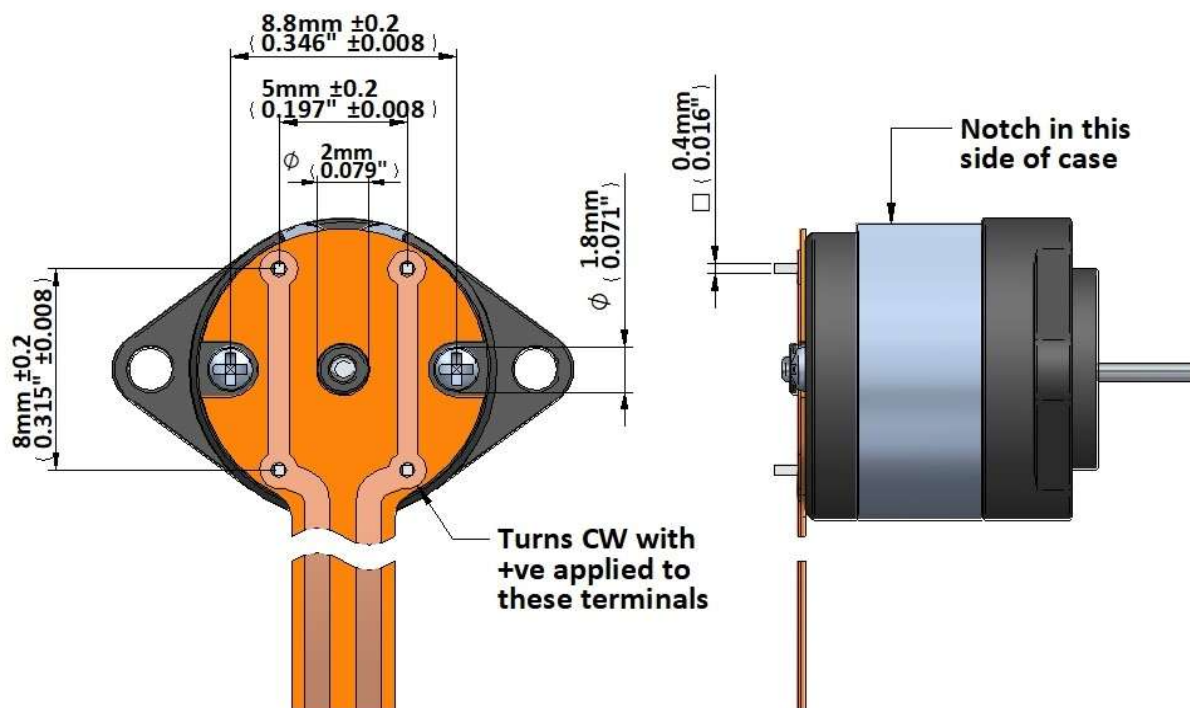


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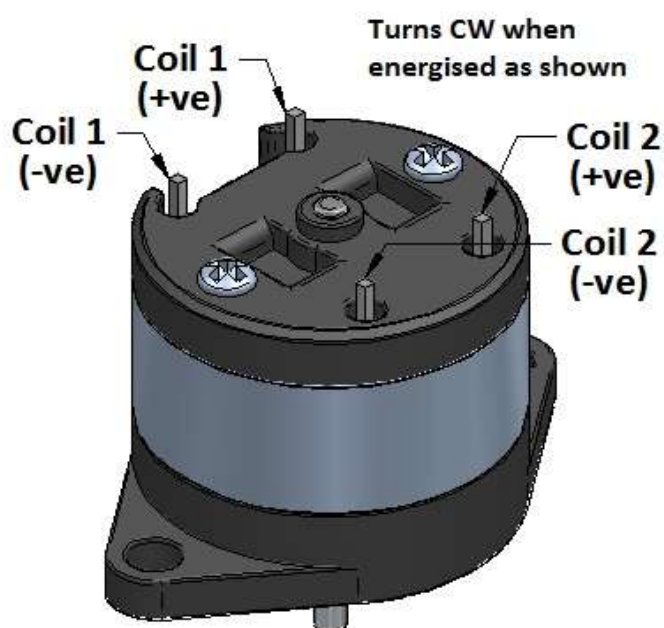
BRS1212-95 Connection

Termination with flexible circuit is recommended as this places minimal stress on the terminal pins. Parallel connection is shown below.

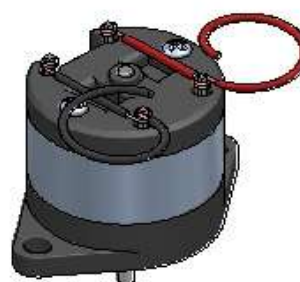
Rotor Inertia 0.035 gcm²



The drawing below shows termination with leadwire and shows both parallel and series connection configurations



Parallel



Series

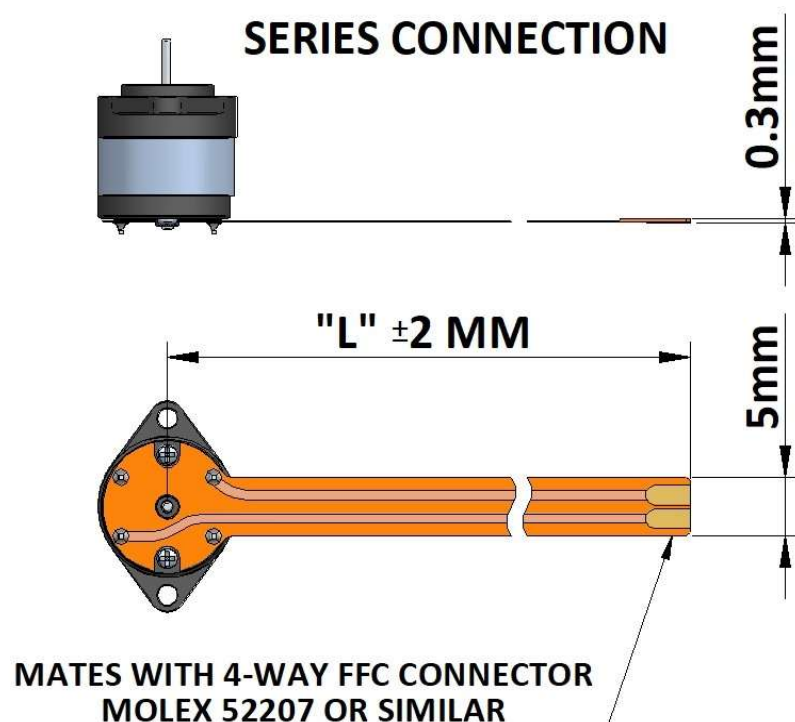




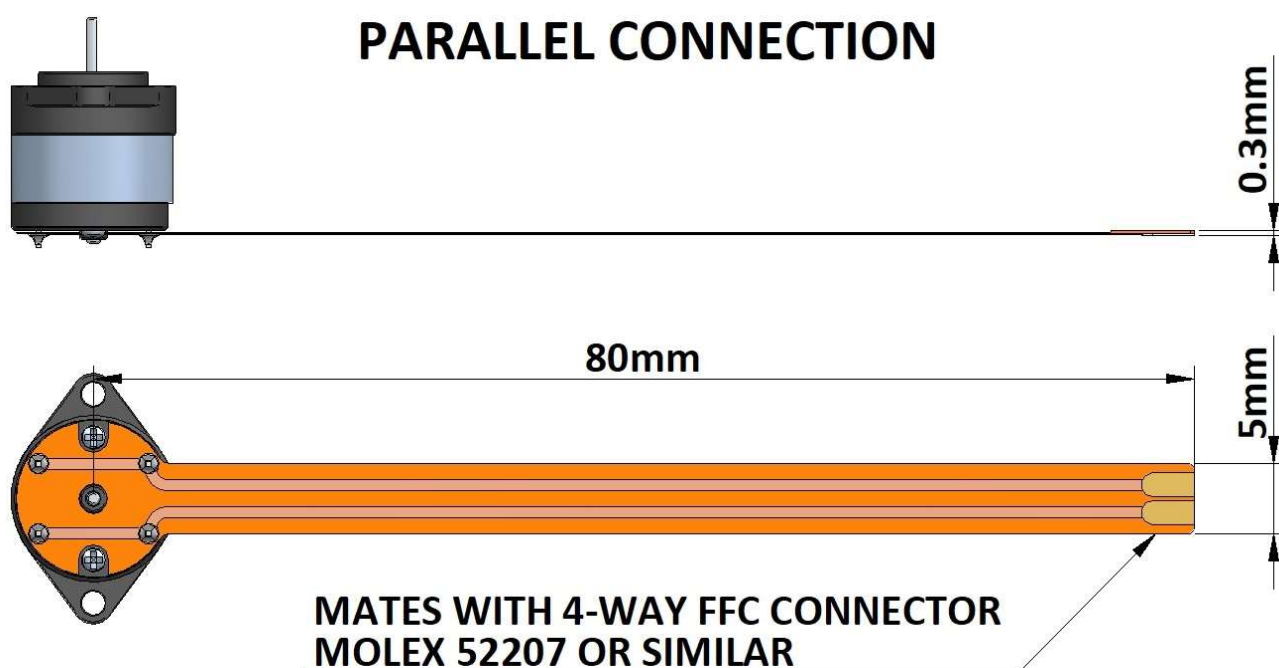
Termination with flexible circuit is recommended as this places minimal stress on the terminal pins. The drawing below shows termination with flex circuit and shows both parallel and series connection configurations options

BRS1212 FLEXIBLE CIRCUIT TERMINATION OPTIONS				
PART NUMBER	CONNECTION	COIL RESISTANCE (Ω)	LENGTH (MM)	CONNECTOR
BRS1212-C10443	PARALLEL	95	80	FFC, 1MM, 4-WAY
BRS1212-C10457	SERIES	380	80	FFC, 1MM, 4-WAY
BRS1212-C10464	SERIES	380	406	FFC, 1MM, 4-WAY

SERIES CONNECTION



PARALLEL CONNECTION

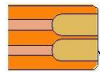




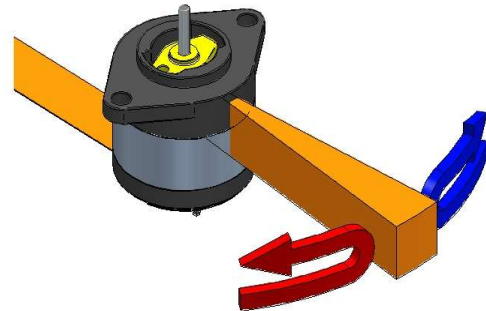
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BRS1212-95 Connection

WITH POSITIVE VOLTAGE APPLIED AS SHOWN THE DEVICE WILL TURN CLOCKWISE AS VIEWED LOOKING AT MOUNTING FACE (DIRECTION SHOWN BY RED ARROW)

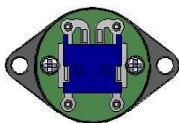
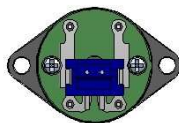
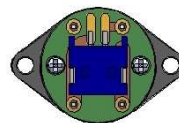
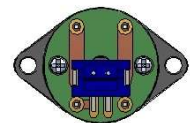


**URNS CW (AS
RED ARROW) WITH
+VE APPLIED TO
THIS CONTACT**

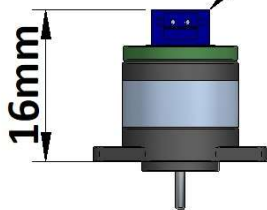
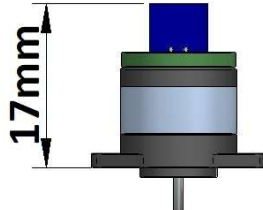
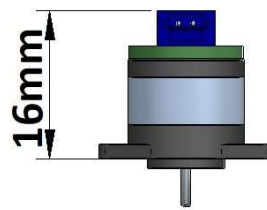
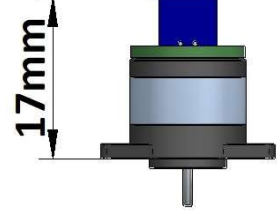


The drawing below shows termination with JST connector

BRS1212-95ZHH BRS1212-95ZHV BRS1212-380ZHH BRS1212-380ZHV



JST ZH SERIES 2-WAY CONNECTOR



**PRODUCTS NAME : S2B-ZR-SM4A-TF
SIDE ENTRY TYPE FOR :
BRS1212-95ZHH , BRS1212-380ZHH**

**PRODUCTS NAME : B2B-ZR-SM4A-TF
TOP ENTRY TYPE FOR :
BRS1212-95ZHV , BRS1212-380ZHV**

