Device drawn with shaft aligned to mid position
Nominal 9.5Ω, 180mH for operation at 315mA, 100%ED
Rotor Inertia 0.15 gmm²
Life Expectancy >10M cycles, no load
Optimal rotation is +/-30°, Mass 1.5 grammes
Insulation Resistance >5MΩ, 500VDC Megger
Dielectric Strength 250vAC, 50/60Hz, 1 minute

GEEPLUS BRS0710-9.5

Shaft drives clockwise from position shown with positive voltage applied to lower pin

**Torque (mNm) vs Angle**

- De-Energised
- 315mA
- 525mA (35% ED)

**Response (ms) vs Angle**

- 315mA, 3v, 0gcm²
- 525mA, 5v, 0gcm²
- 315mA, 3v, 10gcm²
- 525mA, 5v, 10gcm²

Geeplus reserves the right to change specifications without notice
Insulation Resistance >100MΩ, 500VDC Megger
Dielectric Strength 500vAC, 50/60Hz, 1 minute
Optimal rotation +/-30⁰, Mass 8 grammes
Insulation Resistance >100MΩ, 500VDC Megger
Dielectric Strength 500vAC, 50/60Hz, 1 minute

Device drawn with shaft aligned to mid position
Nominal 13Ω, 0.6mH for operation at 380mA, 100%ED
Rotor Inertia 0.017 gcm²
Life Expectancy >10M cycles, no load
Optimal rotation +/-30⁰, Mass 8 grammes
Insulation Resistance >100MΩ, 500VDC Megger
Dielectric Strength 500vAC, 50/60Hz, 1 minute

Geeplus reserves the right to change specifications without notice
Device drawn with shaft aligned to mid position
Nominal 95Ω parallel, 380Ω series connection
Rotor Inertia 0.035 gcm²
Life Expectancy >100k cycles, 1gcm² load
Optimal rotation+/- 22.5⁰, Mass 3.5 grammes
Insulation Resistance >50MO, 500VDC Megger
Dielectric Strength 300vAC, 50/60Hz, 1 second

Typical Torque (mNm) vs Angle

Typical Response (ms) vs Load Inertia (gcm²)

Geeplus reserves the right to change specifications without notice
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

Geeplus reserves the right to change specifications without notice.
Device drawn with shaft aligned to mid position
Suffix 06, 12, 24 for operation at 6v, 12v, 24v, 100%ED
Rotor Inertia 2.1 gcm²
Life Expectancy >10M cycles, no load
Optimal rotation +/- 15°, Mass 62 grammes
Insulation Resistance >50MΩ, 500VDC Megger
Dielectric Strength 500vAC, 50/60Hz, 1 minute
Class E (120°C) insulation class

Torque (mNm) vs Angle

Response (ms) vs Load Inertia (gcm²)

Geeplus reserves the right to change specifications without notice
Device drawn with shaft aligned to mid position
Nominal 10Ω, 8mH (At 0°) for operation at 24v, 9%ED
Rotor Inertia 6.5 gcm²
Life Expectancy >10M cycles, no load
Optimal rotation +/- 30°, Mass 155 grammes
Turns CW from position shown, +ve applied to Red lead
Leadwires AWG24 stranded leads

GEEPLUS  BRS4036G-10

Geeplus reserves the right to change specifications without notice
Device drawn with shaft aligned to mid position
Nominal 10Ω, ??mH for operation at 12v, 50%ED
Rotor Inertia 36 gcm²
Life Expectancy >20M cycles, no load
Optimal rotation +/-10⁰, Mass 150 grammes
Turns CW from position shown, +ve applied to Red lead
JST B2P-VH (Lead Assy supplied with 450mm, AWG20)

![Image of motor dimensions]

**Torque (mNm) vs Angle**

- De-Energised
- 1A (50%ED)
- 1.8A (15%ED)
- 3A (6%ED)

**Response (ms) vs Load Inertia (gcm²)**

- 12v (1A limit), 10°
- 12v (1A limit), 15°
- 12v (1A limit), 20°
- 12v (1A limit), 25°
- 24v (2A limit), 10°
- 24v (2A limit), 15°

Geeplus reserves the right to change specifications without notice
Device drawn with shaft aligned to mid position
Nominal 6Ω, 5mH for operation at 24v, 7%ED
Rotor Inertia ? gcm²
Life Expectancy >10M cycles, no load
Optimal rotation +/-15⁰, Mass 260 grammes
Turns CW from position shown, +ve applied to Red lead
Leadwires AWG24 stranded leads

Geeplus reserves the right to change specifications without notice
Device drawn with shaft aligned to mid position
Nominal 6Ω, 5mH for operation at 24v, 7%ED
Rotor Inertia ? gcm²
Life Expectancy >10M cycles, no load
Optimal rotation +/-15°, Mass 310 grammes
Turns CW from position shown, +ve applied to Red lead
Leadwires AWG24 stranded leads

**Torque (Nm) vs Angle**

- De-Energised
- 1.5A (52%ED)
- 2.5A (19%ED)
- 4A (7%ED)

**Response (ms) vs Load Inertia (gcm²)**

- 12v (1.6A limit), 20°
- 12v (1.6A limit), 60°
- 24v (3.2A limit), 20°
- 24v (3.2A limit), 60°