

Capsule Power & Signal Transfer Unit SPB14 Special



* Lead wire colour codes available on request

The BGB SPB14 Special can be used in any electromechanical system that requires unrestricted, continuous rotation while transferring power or data from a stationary to a rotating structure.

- > Low torque minimize system torque budget
- > Tight packaging to fit in the most demanding spaces
- > Smooth running
- > Low electrical noise
- > 360° continuous rotation
- > High bandwidth transfer capability
- > Gold on gold contacts
- > Compatible with databus protocols
- > Precision ball bearings meet or exceed life requirements for most commercial applications
- > Flexible, colour coded silver plated Teflon insulated lead wires
- > Transfers analog and digital signals
- > 200mm standard lead length
- > 36 circuit models
- > 2 amps, 120VDC / 120VAC per circuit

Specification	
Circuits	25-36 Circuits
Operating speed	0-300 rpm
Operation temperature	- 40°C ~ + 80°C
Humidity	60% RH or higher
Electrical	
Volatge rating	240VAC
Current rating	2A.5A.10 per circuit
Dielectric strength	est. 500V @ 50Hz between each circuit
Insulation resistance	100MΩ @ 500VDC
Electric noise	est. 8 m Ω @ 6VDC 50mA 5rpm
Mechanical	
Contact material	Gold--Gold
Lead wire size	AWG28 silver plated UL, Teflon
Lead wire length	Min 200mm
Housing material	Engineer plastic or metal
Torque	0.12gm
Protection	IP54 or higher

Capsule Length = L		
No. of Circuits	L (mm)	Part no
36	57.3	GA4175-36A

* Operational life 80,000,000 revolutions

* The operational life of the unit depends upon temperature, rotation speed and environment