

BL5045 SERIES SLIP RINGS

BL5045 series is terminal large current slip ring with signal wire; the current can be 100A/150A/250A/350A/500A/1000A. Advantages: small size, light weight, large current-carrying. This series slip ring is suitable for the occasion where single big current is needed, such as welding, electroplating industry, etc.

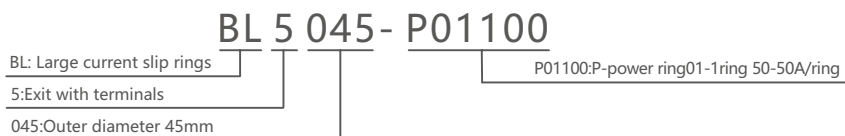
Product images



The pictures are for reference only

If there are changes in the appearance and size of the product, the actual product should prevail.

Part# Explanation



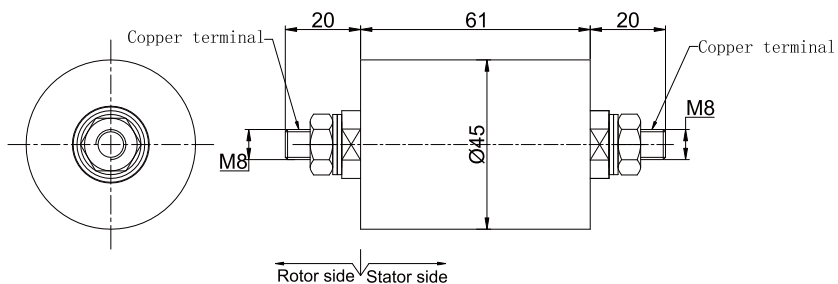
BL5045 power slip ring(single way) series part list

Parts#	50A	100A	150A	200A	250A	500A	1000A
BL5045-P0150	1	0	0	0	0	0	0
BL5045-P01100	0	1	0	0	0	0	0
BL5045-P01150	0	0	1	0	0	0	0
BL5045-P01200	0	0	0	1	0	0	0
BL5045-P01250	0	0	0	0	1	0	0
BL5045-P01500	0	0	0	0	0	1	0
BL5045-P011000	0	0	0	0	0	0	1

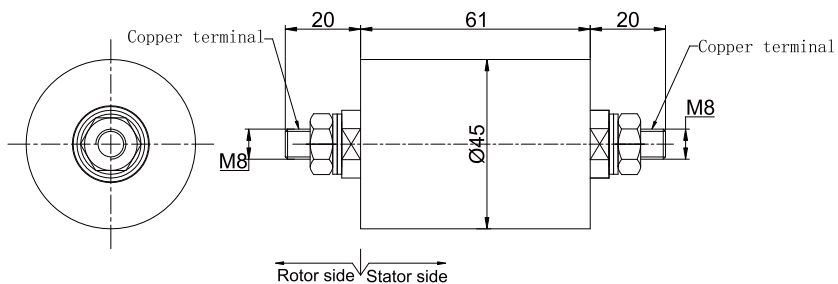
Note: 1) N channels 10A rings parallel can be used as 1 channel N*10A current. For example: 2 rings 10A parallel could be used as 1 wires 20A
 2) Current value can be customized, please contact customer service for more details.

Dimensions

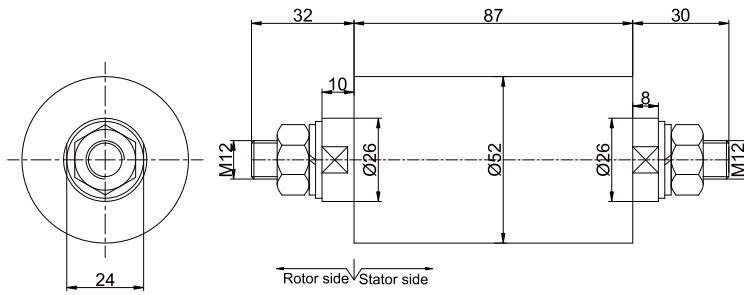
BL5045-P01100 Dimensions



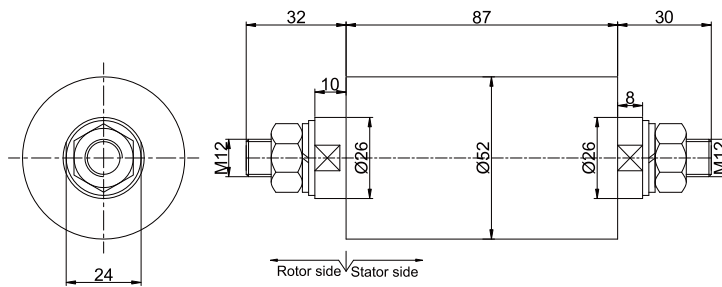
BL5045-P01150 Dimensions



BL5045-P01200 Dimensions



BL5045-P01250 Dimensions



Mechanical Data

Project	Numerical value
Working Life	20 Million revs
Rotating Speed	250RPM
Working temperature	-30°C~80°C
Operating Humidity	0~85% RH
Contact Material	precious metal
Housing Materia	aluminium alloy
Torque	0.1N.m; +0.03N.m/6rings
Protection Grade	IP51

Electrical Data

Project	Numerical value
Rated Voltage	0~690VAC/VDC
Insulation Resistance	≥1000MΩ/1000VDC
Lead Wires	terminal
Dielectric Strength	500VAC@50Hz, 60s
Electrical Noise	<0.01Ω

Options for custom slip ring

Note: Below special demands can be customized According , the delivery date will be extended 3 to15 days; also the cost will be increased 30%to 50% . Most of our basic parts are standard and modular which can save the cost and lead time.

1. Cable exit way and cable length can be customized for both rotor and stator.
2. Because of the structure limitation, length/height/OD can be customized on your request.
3. Support current or signal up to 200 rings.
4. Aviation plug, terminal and heat-shrink tube are optional.
5. Hybrid slip ring for Yaskawa/Panasonic/Siemens servo control signal, power line and encoder line.
6. Support mixed high speed data transmission (including Ethernet, USB, RS232, RS485, Profibus, CanBUS, CANOPEN, DeviceNET, CC-LINK, ProfiNET, EtherCAT, etc.)
7. Can combine temperature control signal with thermocouple signal.
8. Special environment can be customized, such as quakeproof, high temperature, etc.
9. Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.
10. High temperature can up to 500 degrees.
11. High pressure can up to 110KV
12. Rotating speed can up to 10000RPM
13. Maximum current can up to 5000 amperes.
14. Military grade
15. Optional for underwater IP65, IP68.
16. Optional for stainless steel housing

Technical support : Info@orbinexus.com