## :: TB180292 series Through Bore Slip Rings

### Features

Continuous transmission of power and/or signal under 360°unrestrained rotation Applies advanced fiber brush technology, free of maintenance or lubricating oil Multi contact points in each circuit, low contact pressure, low noise, low contact wear; extremely long life-time Standardized & modularized design; customized solutions also available



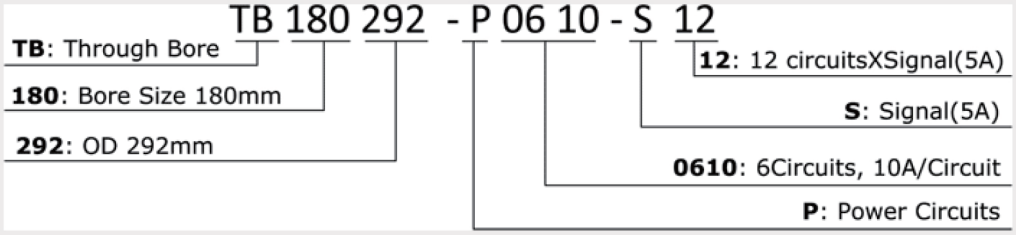
TB180292 Slip Rings

Online Chat

### Options(On your request)

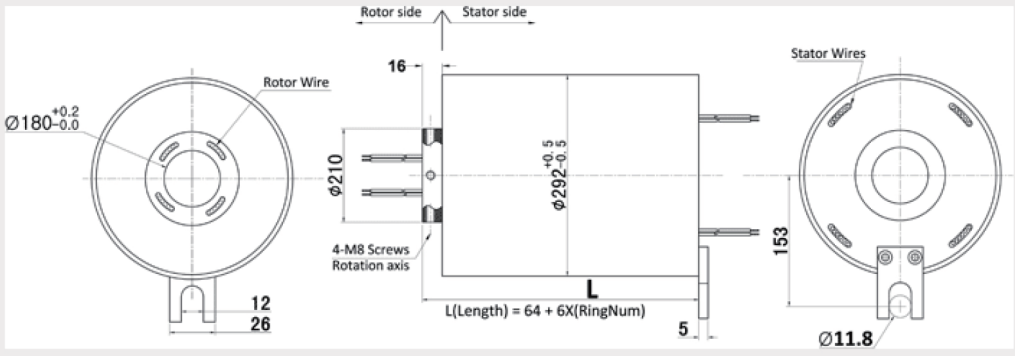
Voltage/current Rated Speed Operating temperature Number of circuits Housing material and color Outline dimension Special lead wire Lead exit location Lead length IP class Terminal type

### Part Instruction:




| Specifications | | | |
|---|---|---|---|
| Circuits | 2~24 | Voltage | P:800V / S:240VDC/VAC |
| Max Speed | 300RPM | Contact material | Precious Metal:Gold-Gold |
| Housing Material | Aluminium Alloy | Torque | 0.05N.m;+0.03N.m/6rings |
| Electrical noise | <5mOhn | Contact Resistance | <2mOhm |
| Dielectric strength | 800VDC@50Hz | Lead Wire | Teflon AWG22(5A),AWG17(10A) |
| Insulation resistance | 1000MΩ@600VDC | Lead Lengths | 300mm(12") |
| Operating Temp. | -40°C to 80°C | Storage Temp. | -55°C to 85°C |
| Bearing. | Deep groove ball | Protection | IP51 |

### Drawings




### Standard Parts# in stock

| Part# | 10A | Signal(5A) | L(mm) - Length (L=64+6 X RingNum) |
|---|---|---|---|
| TB180292-P0210 | 2 | 0 | 76mm |
| TB180292-S02 | 0 | 2 | 76mm |
| TB180292-P0310 | 3 | 0 | 82mm |
| TB180292-P0210-S02 | 2 | 2 | 88mm |
| TB180292-P0610 | 6 | 0 | 100mm |
| TB180292-P0210-S04 | 2 | 4 | 100mm |
| TB180292-P0310-S03 | 3 | 3 | 100mm |
| TB180292-P0410-S02 | 4 | 2 | 100mm |
| TB180292-S06 | 0 | 6 | 100mm |

| | | | |
|---|---|---|---|
| TB180292-P1210 | 12 | 10 | 136mm |
| TB180292-S12 | 0 | 12 | 136mm |
| TB180292-P0210-S10 | 2 | 10 | 136mm |
| TB180292-P0410-S08 | 4 | 8 | 136mm |
| TB180292-P0610-S06 | 6 | 6 | 136mm |
| TB180292-P0810-S04 | 8 | 4 | 136mm |
| TB180292-P1810 | 18 | 0 | 172mm |
| TB180292-S18 | 0 | 18 | 172mm |
| TB180292-P0210-S16 | 2 | 16 | 172mm |
| TB180292-P0610-S12 | 6 | 12 | 172mm |
| TB180292-P1210-S06 | 12 | 6 | 172mm |
| TB180292-P2410 | 24 | 0 | 208mm |
| TB180292-S24 | 0 | 24 | 208mm |
| TB180292-P0410-S20 | 4 | 20 | 208mm |
| TB180292-P0610-S18 | 6 | 18 | 208mm |
| TB180292-P1210-S12 | 12 | 12 | 208mm |
| TB180292-P1810-S06 | 18 | 6 | 208mm |

If used for servo motor power, encoder signal and devicenet,profinet,canbus,profibus ... and so on,
If used for IP65 or IP68, high temperature 250 degree,specified connectors,shielding cables,Large Current...
please contact our technical team for details: **info@rionsr.com**

## Color Code Seq

6 colors for one group,indicated with number code pipe.

| Lead wire Color codes | | | | | | |
|---|---|---|---|---|---|---|
| Rings# | 1 | 2 | 3 | 4 | 5 | 6 |
| Color | BLK | RED | YEL | GRN | BLU | WHT |

## Typical applications

Industrial machinery-machining centers, rotary index table  Heavy equipment turrets, cable reels, test equipments  Packaging machines, palletizing machines, magnetic clutch, process equipment  Rotary sensors, emergency lighting, robotics  Exhibit/display equipment, medical equipment

## Customized on your request

If you don't see what you want in this website,let us know; we may already have it designed or we will modify a design to meet your requirements. In many cases the specifications in the catalog can be changed to include bore size, circuits number, higher current/voltage,flange, lead wire length,shielding,connectors,higher speed,IP68,military grade,higher temperature, mixed with pneumatic/hydraulic capability. Please ask if you don't see exactly what you need as only a small fraction of our Rion slip rings are included in this catalog!

For a detailed outline drawing/3D modal files of a specific model number, or to request a quotation, please contact your local sales representative or send an email to sales@rionsr.com