:: TB80158 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



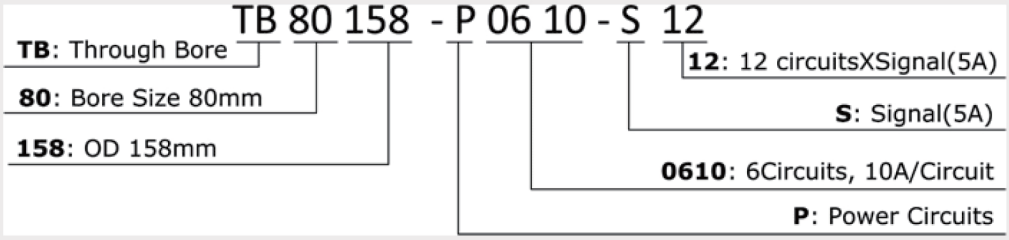
TB80158 Slip Rings

Online Chat

Options(On your request)

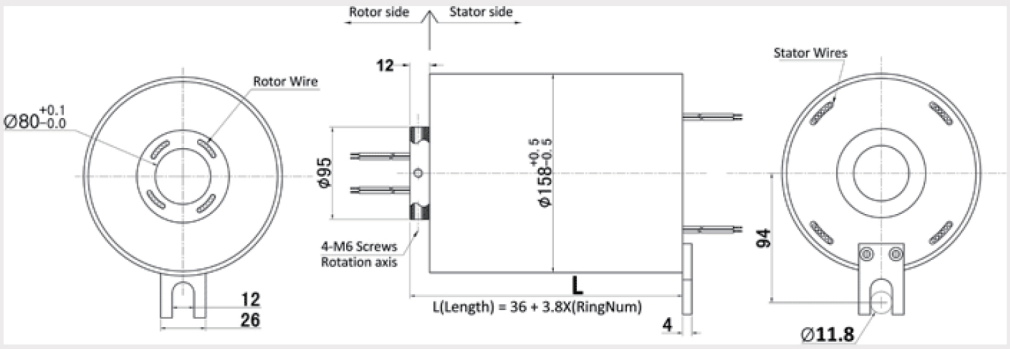
Voltage/current Rated Speed Operating temperature Number of circuits Housing material and color Outline dimension Special lead wire Lead exit location Lead length IP class Terminal type

Part Instruction:



Specifications			
Circuits	2~96	Voltage	P:800V / S:240VDC/VAC
Max Speed	600RPM	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=36+3.8 X RingNum)
TB80158-P0210	2	0	43.6mm
TB80158-S02	0	2	43.6mm
TB80158-P0310	3	0	47.4mm
TB80158-P0210-S02	2	2	51.2mm
TB80158-P0610	6	0	58.8mm
TB80158-P0210-S04	2	4	58.8mm
TB80158-P0310-S03	3	3	58.8mm
TB80158-P0410-S02	4	2	58.8mm
TB80158-S06	0	6	58.8mm

TB80158-P1210	12	0	81.6mm
TB80158-S12	0	12	81.6mm
TB80158-P0210-S10	2	10	81.6mm
TB80158-P0410-S08	4	8	81.6mm
TB80158-P0610-S06	6	6	81.6mm
TB80158-P0810-S04	8	4	81.6mm
TB80158-P1810	18	0	104.4mm
TB80158-S18	0	18	104.4mm
TB80158-P0210-S16	2	16	104.4mm
TB80158-P0610-S12	6	12	104.4mm
TB80158-P1210-S06	12	6	104.4mm
TB80158-P2410	24	0	127.2mm
TB80158-S24	0	24	127.2mm
TB80158-P0410-S20	4	20	127.2mm
TB80158-P0610-S18	6	18	127.2mm
TB80158-P1210-S12	12	12	127.2mm
TB80158-P1810-S06	18	6	127.2mm
TB80158-P3010	30	0	150mm
TB80158-S30	0	30	150mm
TB80158-P0610-S24	6	24	150mm
TB80158-P1210-S18	12	18	150mm

Part#	10A	Signal(5A)	L(mm) - Length (L=36+3.8 X RingNum)
TB80158-S36	0	36	172.8mm
TB80158-P0610-S30	6	30	172.8mm
TB80158-P1210-S24	12	24	172.8mm
TB80158-P2410-S12	24	12	172.8mm
TB80158-S42	0	42	195.6mm
TB80158-P0610-S36	6	36	195.6mm
TB80158-S48	0	48	218.4mm
TB80158-P0610-S42	6	42	218.4mm
TB80158-P1210-S36	12	36	218.4mm
TB80158-P2410-S24	24	24	218.4mm
TB80158-S60	0	60	264mm
TB80158-P1210-S48	12	48	264mm
TB80158-P1810-S42	18	42	264mm
TB80158-P2410-S36	24	36	264mm
TB80158-S72	0	72	287.4mm
TB80158-P1210-S60	12	60	287.4mm
TB80158-P2410-S48	24	48	287.4mm
TB80158-P3610-S36	36	36	287.4mm
TB80158-S84	0	84	355.2mm
TB80158-P1210-S72	12	60	355.2mm
TB80158-P2410-S60	24	48	355.2mm
TB80158-P3610-S48	36	36	355.2mm
TB80158-S96	0	96	400.8mm
TB80158-P1210-S80	12	80	400.8mm
TB80158-P2410-S72	24	72	400.8mm
TB80158-P3610-S60	36	60	400.8mm
TB80158-P4810-S48	48	48	400.8mm

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