TB50118 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



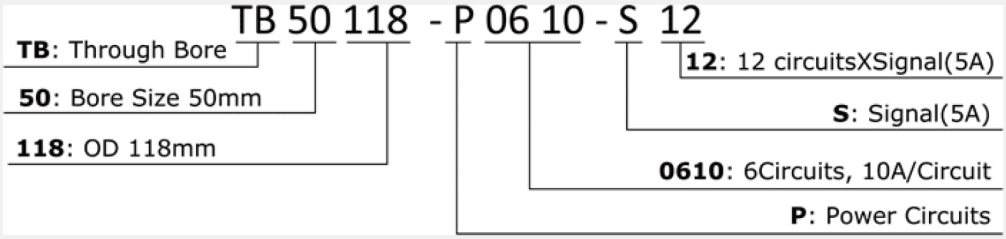
TB50118 Slip Rings

Online Chat

Options(On your request)

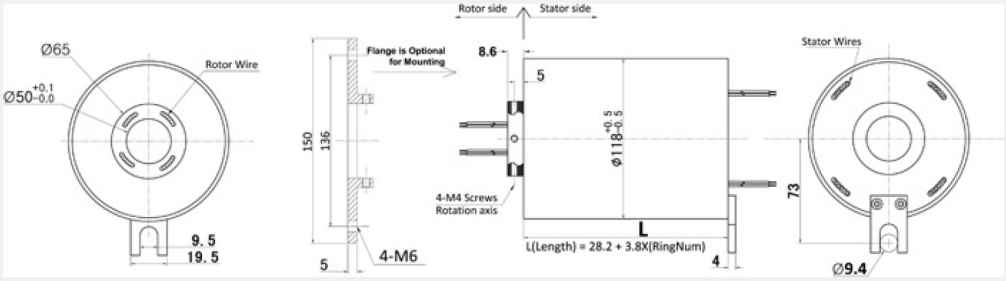
Voltage/current Rated Speed Operating temperature Number of circuits Housing material and color Outline dimension Special lead wire Lead exit location Lead length IP class Terminal type

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=28.2+3.8 X RingNum)
TB50118-P0210	2	0	35.8mm
TB50118-S02	0	2	35.8mm
TB50118-P0310	3	0	39.6mm
TB50118-P0210-S02	2	2	43.4mm
TB50118-P0610	6	0	51mm
TB50118-P0210-S04	2	4	51mm
TB50118-P0310-S03	3	3	51mm
TB50118-P0410-S02	4	2	51mm
TB50118-S06	0	6	51mm
TB50118-P1210	12	0	73.8mm
TB50118-S12	0	12	73.8mm
TB50118-P0210-S10	2	10	73.8mm

TB50118-P0410-S08	4	8	73.8mm
TB50118-P0610-S06	6	6	73.8mm
TB50118-P0810-S04	8	4	73.8mm
TB50118-P1810	18	0	96.6mm
TB50118-S18	0	18	96.6mm
TB50118-P0210-S16	2	16	96.6mm
TB50118-P0610-S12	6	12	96.6mm
TB50118-P1210-S06	12	6	96.6mm
TB50118-P2410	24	0	119.4mm
TB50118-S24	0	24	119.4mm
TB50118-P0410-S20	4	20	119.4mm
TB50118-P0610-S18	6	18	119.4mm
TB50118-P1210-S12	12	12	119.4mm
TB50118-P1810-S06	18	6	119.4mm
TB50118-P3010	30	0	142.2mm
TB50118-S30	0	30	142.2mm
TB50118-P0610-S24	6	24	142.2mm
TB50118-P1210-S18	12	18	142.2mm

Part#	10A	Signal(5A)	L(mm) - Length (L=28.2+3.8 X RingNum)
TB50118-S36	0	36	165mm
TB50118-P0610-S30	6	30	165mm
TB50118-P1210-S24	12	24	165mm
TB50118-P2410-S12	24	12	165mm
TB50118-S42	0	42	187.8mm
TB50118-P0610-S36	6	36	187.8mm
TB50118-S48	0	48	210.6mm
TB50118-P0610-S42	6	42	210.6mm
TB50118-P1210-S36	12	36	210.6mm
TB50118-P2410-S24	24	24	210.6mm
TB50118-S60	0	60	256.2mm
TB50118-P1210-S48	12	48	256.2mm
TB50118-P1810-S42	18	42	256.2mm
TB50118-P2410-S36	24	36	256.2mm
TB50118-S72	0	72	301.8mm
TB50118-P1210-S60	12	60	301.8mm
TB50118-P2410-S48	24	48	301.8mm
TB50118-P3610-S36	36	36	301.8mm
TB50118-S84	0	84	347.4mm
TB50118-P1210-S72	12	60	347.4mm
TB50118-P2410-S60	24	48	347.4mm
TB50118-P3610-S48	36	36	347.4mm
TB50118-S96	0	96	393mm
TB50118-P1210-S80	12	80	393mm
TB50118-P2410-S72	24	72	393mm
TB50118-P3610-S60	36	60	393mm
TB50118-P4810-S48	48	48	393mm

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