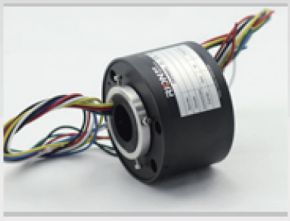
TB3899 series Through Bore Slip Rings

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



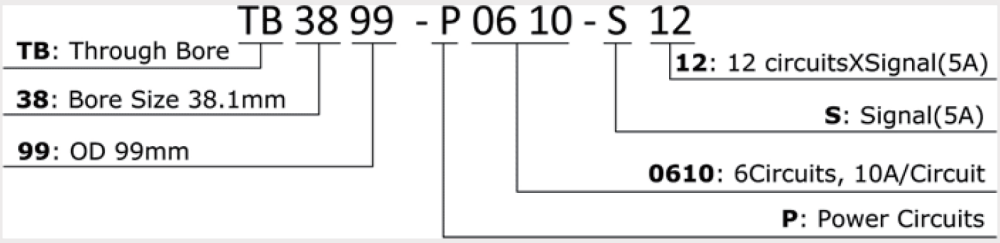
TB3899 Slip Rings

Online Chat

Options(On your request)

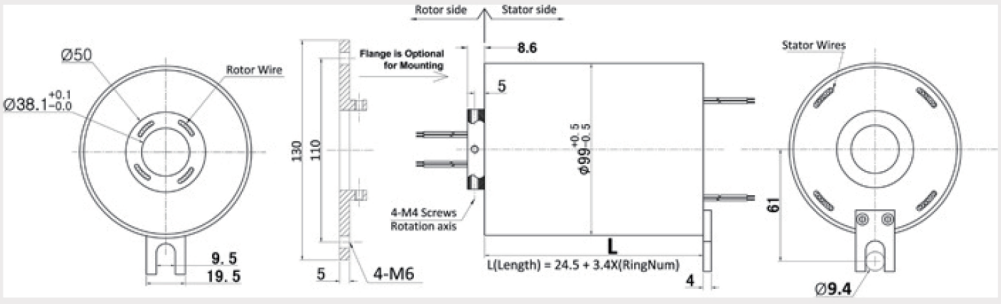
Voltage/current Rated Speed Operating temperature Number of circuits Housing material and color Outline dimension Special lead wire Lead exit location Lead length IP class Terminal type

Part Instruction:



Specifications			
Circuits	2~72	Voltage	P:800V / S:240VDC/VAC
Max Speed	800RPM	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=24.5+3.4 X RingNum)
TB3899-P0210	2	0	31.3mm
TB3899-S02	0	2	31.3mm
TB3899-P0310	3	0	34.7mm
TB3899-P0210-S02	2	2	38.1mm
TB3899-P0610	6	0	44.9mm
TB3899-P0210-S04	2	4	44.9mm
TB3899-P0310-S03	3	3	44.9mm
TB3899-P0410-S02	4	2	44.9mm
TB3899-S06	0	6	44.9mm
TB3899-P1210	12	0	65.3mm
TB3899-S12	0	12	65.3mm

TB3899-P0210-S10	2	10	65.3mm
TB3899-P0410-S08	4	8	65.3mm
TB3899-P0610-S06	6	6	65.3mm
TB3899-P0810-S04	8	4	65.3mm
TB3899-P1810	18	0	85.7mm
TB3899-S18	0	18	85.7mm
TB3899-P0210-S16	2	16	85.7mm
TB3899-P0610-S12	6	12	85.7mm
TB3899-P1210-S06	12	6	85.7mm
TB3899-P2410	24	0	106.1mm
TB3899-S24	0	24	106.1mm
TB3899-P0410-S20	4	20	106.1mm
TB3899-P0610-S18	6	18	106.1mm
TB3899-P1210-S12	12	12	106.1mm
TB3899-P1810-S06	18	6	106.1mm

Part#	10A	Signal(5A)	L(mm) - Length (L=24.5+3.4 X RingNum)
TB3899-P3010	30	0	126.5mm
TB3899-S30	0	30	126.5mm
TB3899-P0610-S24	6	24	126.5mm
TB3899-P1210-S18	12	18	126.5mm
TB3899-S36	0	36	146.9mm
TB3899-P0610-S30	6	30	146.9mm
TB3899-P1210-S24	12	24	146.9mm
TB3899-P2410-S12	24	12	146.9mm
TB3899-S42	0	42	167.3mm
TB3899-P0610-S36	6	36	167.3mm
TB3899-S48	0	48	187.7mm
TB3899-P0610-S42	6	42	187.7mm
TB3899-P1210-S36	12	36	187.7mm
TB3899-P2410-S24	24	24	187.7mm
TB3899-S60	0	60	228.5mm
TB3899-P1210-S48	12	48	228.5mm
TB3899-P1810-S42	18	42	228.5mm
TB3899-P2410-S36	24	36	228.5mm
TB3899-S72	0	72	269.3mm
TB3899-P1210-S60	12	60	269.3mm
TB3899-P2410-S48	24	48	269.3mm
TB3899-P3610-S36	36	36	269.3mm

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