

UM0155 series USB3.0 signal slip ring

1~2 Channels USB3.0 wire +2~12 circuits signal

SenRing UM0155 series USB3.0 signal slip ring, solid, OD15.5mm, specially used to transmit high speed data and can be combined to transmit various signal channels, have the advantages of stable signal transmission, no packet loss, no string code, small return loss, small insertion loss, etc....

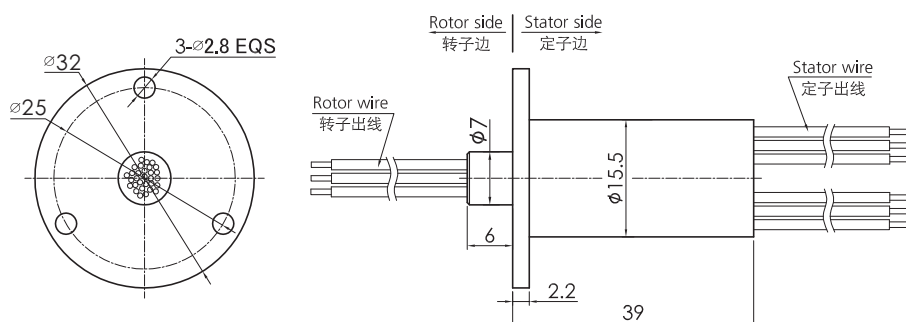
Part No. Description

UM0155 - USB channels no. - USB - power circuits - signal circuits - Product grade					
U: USB Slip Ring M means solid without hole OD: 15.5mm Examples: 01: 1 set of USB cable 02: 2 set of USB cable 03: 3 set of USB cable 04: 4 set of USB cable 02: USB2.0 Slip Ring 03: USB3.0 Slip Ring					Examples: C: standard D: industrial Examples: 06S: 6 circuits signal @2A(5A options) 12S: 12 circuits signal @2A(5A options) Examples: 0610: 6 circuits@10A; 1210: 12 circuits@10A

Examples

UM0155-01: U means USB signal slip ring, M means solid without hole, 022 means OD22MM, 01 means 1 channel USB3.0;

UM0155-01-06S: U means USB signal slip ring, M means solid without hole, 022 means OD22MM, 01 means 1 channel USB3.0, 06S means 6 circuits signal;



Model List

Model	power/signal circuits no.			USB channels no.	
	signal(2A)	power(5A)	power(10A)	USB2.0	USB3.0
UM0155-01-02-18S	18	0	0	1	0
UM0155-01-02-12S	12	0	0	2	0
UM0155-03-02-06S	6	0	0	3	0
UM0155-04-02	0	0	0	4	0
UM0155-01-02-030S-03S	3	3	0	1	0
UM0155-01-02-12S	3	0	2	1	0
UM0155-01-03-12S	12	0	0	1	0
UM0155-02-03	0	0	0	0	2
UM0155-01-03-020S-06S	6	2	0	1	0

*Remark: Circuits can be combined in parallel for bigger current, N circuits of 10A to get N*10A, such as 2 circuits of 10A in parallel for 20A use. Pls contact the SenRing salesman if you want to customize USB and power/signal circuit no, or mix other signal.

Technical Specification of the slip ring

USB cable	1~2 channels USB3.0	connector	USB 3.0 male (female optional)	
Mechanical Data		Electrical Data		
spec	data	spec	data	
working life	10millions for ref(depends on working conditions)		power	signal
		voltage range	0~240VAC/VDC	0~240VAC/VDC
Rotating speed	150RPM	insulation resistance	≥ 300MΩ/300VDC	≥ 300MΩ/300VDC
working temp.	-30℃~80℃	lead wire spec.	AWG30# Silver	AWG30# Silver
work humidity	0~85% RH		-plated teflon	-plated teflon
contact material	gold/gold	lead wire length	standard 150mm(can be customized)	
housing material	aluminum alloy	Dielectric Strength	300VAC@50Hz,60s	
torque	0.05N.m;+0.01N.m/6 circuits	Electrical noise	<0.01Ω	
material	RoHS certificate	CE certificate	Yes	

Color Code of Lead Wire

ring #	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU
ring#	13	14	15	16	17	18	19	20	21	22	23	24
color	WHT/BLK	WHT/BRN	WHT/RED	WHT/ORG	WHT/YEL	WHT/GRN	WHT/BLU	WHT/PUR	WHT/GRY	BLK/RED	BLK/BRN	Transparent

Remark: "1" : the first wire from rotor side , UM0155-06 wire color sequence:BLK/BRN/RED/ORG/

YEL/GRN , 24 color wires as one group , if more than 24wires, repeat as sequence , use number tube to tell group 1#, 2#....