USB Slip Rings — Specification Sheet

A USB slip ring keeps a USB device on a rotating platform enumerated and streaming while the platform turns without limit.

Models in this sheet	8
Manufacturer	JiuJiang Ingiant Technology Co., Ltd
Established	2014
Quality system	ISO 9001, GJB9001C, GB/T 19001-2008 / ISO 9001:2008
Standard lead time	7–15 days
Customised lead time	10–20 days simple, 15–40 days complex
Delivery port	Jiujiang, China Mainland
Warranty	12 months from date of sale
Enquiries	sales@ingiant.com · WhatsApp +86 138 7929 7499

What this family solves

USB is timing sensitive and short range. A rotating contact that introduces resistance variation or noise drops the device off the bus mid-session.

INGIANT USB units carry the data pairs on dedicated channels with precious metal contacts, alongside power rings for the device and the drive, in a capsule or through bore body.

Model list with published parameters

Model / product	Circuits	Voltage	Current	Speed	IP
DHS043-33 Ingiant USB slip ring out diameter 43mm with 3 channels USB 2.0…	33	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK025-33 Ingiant USB 3.0 slip ring hole diameter 25mm with 2 channels USB…	33	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS040-60-003 Ingiant USB slip ring out diameter 40mm solid solid flange…	60	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS055-25-3A Customized USB slip ring transmit USB3.0 signals and 3A…	25	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS030-35 Solid shaft 30mm series 3.0 USB slip ring for machine vision	35	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS021-18 Capsulated USB slip rings slip rings for USB and electrical…	18	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS105-120 USB slip rings diameter 105mm 120channels for machine vision	120	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant USB slip ring 2.0 interface 14channels 48mm	According to requireme	0~240 VAC/VDC	2A,5A,10A,15A,20A	0~600rpm	IP54

How to order

Send these eight inputs and INGIANT returns a design and a drawing: Operating speed in rpm; Type of installation and mounting interface; Installation envelope and bore size; Number of circuits, counted as single wires beside the cable; Rated voltage and current for the power rings and the signal rings; Signal type and its parameters — this is the parameter that decides the design; Operating temperature range; IP sealing requirement.

Dashes in the table mean the value is not published for that model because the build is set against the customer drawing. It is issued with the quotation.