



Customized Slip Rings — Specification Sheet

When the envelope, the channel mix or the environment does not match a catalogue model, INGIANT designs the slip ring around the machine instead of the other way round.

Models in this sheet	139
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

A standard unit is rarely a perfect fit. The bore is 3 mm too small, the machine needs fibre and pneumatics in one body, the connector has to be an aviation plug, or the joint has to survive an explosive or subsea environment.

Send the rotating speed, mounting type, installation envelope, circuit count, voltage and current per ring, signal types and their parameters, operating temperature and IP requirement. INGIANT returns a design with a drawing, then builds it — simple customisation in 10–20 days, complex customisation in 15–40 days.

Model list with published parameters

Model / product	Circuits	Voltage	Current	Speed	IP
Waterproof Slip Ring Ø78mm OD IP65/IP68 – Custom Sealed Rotary Joint for...	current per circuit	—	—	—	—
Ingiant DHS078 Solid Shaft Ethernet Slip Ring 78mm OD Gigabit Data & Power...	6 to 48 rings (Customi	0–440V AC/DC	2A / 5A / 10A / 20A pe	—	—
DHK050-14-10A Customized through hole slip rings inner diameter 50mm...	14	0–240 VAC/VDC	2A.5A.10A.15A.20A	0–600rpm	IP54
DHS150-34-1Q Ingiant Customized Gas-Electric Slip Ring out diameter 150mm...	34	0–240 VAC/VDC	can be customized	0–600rpm	IP65
DHS065F-15-2A-006 Ingiant Non-standard custom solid shaft waterproof slip...	15	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS066-37 Ingiant Ethernet slip ring transmitting 1 Gigabit Ethernet signal...	37	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHK050F-26 Ingiant Standard 50mm Through hole waterproof slip ring...	26	0–240 VAC/VDC	2A.5A.10A.15A.20A	0–600rpm	IP54
DHS090-4 Ingiant solid shaft high current slip ring out diameter 90mm 3...	—	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHK108-8 Ingiant Pancake slip ring inner hole 108mm 8 channels with flat...	—	0–240 VAC/VDC	2A.5A.10A.15A.20A	0–600rpm	IP54
Ingiant 1.5MW Pitch control slip ring 31 channels of 400VAC/60A for Dongfang...	—	—	—	—	—
DHS045-18-002 Ingiant High-end equipment slip ring inner diameter 45mm...	18	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHK065-2 Ingiant Flat Pancake slip rings hole diameter 65mm thickness 20mm...	—	0–240 VAC/VDC	2A.5A.10A.15A.20A	0–600rpm	IP54
DHS250-16 Ingiant high current slip ring out diameter 250mm 16channels more...	16	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS180-98 Ingiant Non-standard customized high current slip ring out...	98	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS105-76-2S High frequency slip ring 105mm with 2 channel high frequency...	76	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS130-14 Ingiant high current slip rings out diameter 130mm 14 channels...	14	0–240 VAC/VDC	can be customized	0–600rpm	IP54



Model / product	Circuits	Voltage	Current	Speed	IP
Ingiant Special custom aviation plug slip rings out diameter 200mm with 47...	47	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS110F-38-4F Specially customized 4 channels optical fiber, photoelectric...	38	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant Gigabit Ethernet slip ring outer diameter 32mm with 1 channel...	21	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS042-34 Solid shaft turntable slip ring outer diameter 42mm combination 34...	34	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS105-50-2F optoelectronic slip ring with 2 channels fiber optic,gigabit...	50	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS032-22 Ingiant customized industrial bus slip rings out 32mm 22channels...	22	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS085-16 Ingiant 85mm inner diameter servo encoder conductive slip ring for...	16	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK150-68 Customized strong and weak current signal slip ring hybrid slip...	68	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS224-20-10A Ingiant rotor flange conductive slip ring out diameter 224mm...	20	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS086-3-80A high power conductive slip ring out diameter 86mm with...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP65
DHS044-50 Ingiant Customized servo slip rings with solid flange design...	50	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS040-40-5A Ingiant diameter 40mm stator flange slip ring 40 channels 5A each	40	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS100-42 OD100mm high-end solid shaft radar slip ring 42channels long life,...	42	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS099-16-2F Customized Military Grade 99mm photoelectric slip ring...	16	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS090-50-1F Ingiant Military aviation plug optoelectronic slip ring OD 90mm...	50	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant Accept customization solid shaft industrial bus slip ring OD 65mm...	37	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK113-14-002 Pancake slip ring inner diameter 113mm 14 channels power used...	14	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK078-16 Non-standard custom inner diameter 78mm through hole slip ring 16...	16	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS095-71 diameter 95mm Industrial Bus slip ring CAN Bus Slip Ring 71channels	71	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS078-55 78mm Servo slip ring encoder slip ring 55 channels transmit...	55	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS088-62 diameter 88mm solid shaft rotor flange conductive slip ring...	62	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS088-55 custom automation slip ring diameter 88mm 43channels singal...	55	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS042-26 diameter 42mm Industrial bus slip ring applied to lithium battery...	26	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS065F-15-2A-002 Non-standard custom waterproof conductive slip ring 65mm15...	15	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS029F-10 Customized solid shaft waterproof conductive slip ring diameter...	10	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK044F-10-002 Custom military quality hollow shaft waterproof slip rings 10...	10	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK149-31 Customized149mm military grade through hole slip ring with...	31	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
Ingiant Customized large hole diameter Pancake slip ring inner diameter...	30	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK062-39 customized inner diameter 62mm through hole Ethernet slip ring...	39	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS200F-148 Non standard custom aperture 200m waterproof conductive slip ring	148	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS130F-8-200A Waterproof high current slip ring 8 channels 200A each used...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54



Model / product	Circuits	Voltage	Current	Speed	IP
DHS130F-12 Ingiant 130mm Waterproof conductive slip rings 12 channels for...	12	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK327-30 Customized through hole pancake slip ring 327mm large pore size	30	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK156-70 Customized large diameter 156mm through hole slip ring for...	70	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK156-70 Customized inner diameter 135mm Gigabit Ethernet slip ring through...	74	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS063-57 Customized compact automation slip rings diameter 63mm with...	57	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant DHS078 series Industrial bus slip ring DP communication signal + power	32	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS040-31-1F Optoelectronic slip ring optoelectronic rotary joint with an...	31	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS099-51-4F Customized 4-channel high precision military quality...	51	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS035-24-002 Ingiant Customized 35mm 1-channel 100M/1000M Ethernet slip...	24	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK042-4-002 Customized through hole slip ring inner diameter 42mm 4...	—	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK100-36 Non-standard custom 100mm through hole conductive slip ring with...	36	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS130F-4-300A 130mm solid shaft high current waterproof slip ring 4...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS082-7-3F Optoelectronic hybrid waterproof slip ring diameter 82mm...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS078-24-002 78mm servo slip ring encoder slip ring 24 channels can be...	24	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Customized precision military slip rings are widely used in military and...	—	0~600VDC/VAC Max speed	—	—	—
DHS052-24-1 customized industrial bus slip ring transmission RS422 signal	24	0~240 VAC/VDC	can be customized	0~600rpm	IP54
FHS135-24-10115 custom pitch wind power slip ring for wind power generation...	24	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS180-4-400A-003-1 High current slip ring 4 channels each 400A with...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS140-198 Servo slip ring customization accepted, 1-4 standard motors...	198	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK102-30 Special customized motor slip rings through hole slip ring 30...	30	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS098-69 Ingiant Non-standard customization diameter 98mm Ethernet slip...	69	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS099-16-4F Customized photoelectric slip rings combination 4 optical...	16	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS090-37 Non-standard custom automation slip ring diameter 90mm 37 channels...	37	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS140-140-4F optoelectronic slip rings combined 4-channel fiber optic +...	140	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS100-92-4F Specially customized photoelectric rotary joint 100mm...	92	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK030-18 Special customized high power and high current slip ring hole...	18	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS130-11 Customized conductive slip ring diameter 130mm 11 channels...	11	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS180-4 Special customized slip ring solid for construction machinery...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
LQ120 Non-standard custom high-end precision slip ring for aviation plug	can be customized	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS051-44 Customized non-standard HD-SDI slip ring diameter 51mm 44channels...	44	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS130-6-008 high current slip rings with solid shaft diameter 130mm 6channels	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54



Model / product	Circuits	Voltage	Current	Speed	IP
DHS052-50 Special customized slip rings stator and rotor outlet are 52mm in...	50	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS160-60 Customized solid shaft aviation plug slip ring diameter 160mm 60...	60	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS085-37 Servo motor slip ring diameter 85mm 37channels for test equipment	37	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK195F-20 Non-standard customized waterproof and dustproof conductive slip...	20	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
FHS160-20-10122-002 customized special industrial conductive slip rings...	20	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS074-95 customized solid shaft capsulated slip ring flange connection...	95	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS049-45 non-standard custom solid shaft conductive slip ring ID 49mm...	45	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS180F-56 high current slip rings 56 channels 7channels100A for large...	56	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS140F-28-2F photoelectric combination slip ring 28 electrical channels...	28	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS110F-34 high-end customized combined slip ring, using aviation plug joint...	34	0~240 VAC/VDC	can be customized	0~600rpm	IP54
FHS135-25-10120 customized innovative slip rings for wind turbines	25	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK083-10 customized through hole slip ring hole diameter 83mm 10channels...	10	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
FHS105-14-10112SSB Wind turbine pitch slip ring IP65■accurate and reliable,...	—	400VAC 24VDC 24VDC	30A 2A 1A	—	—
DHS220-55-5A customized solid shaft automation slip ring diameter 220mm...	55	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS250-20 Non-standard customized solid shaft large diameter slip ring for...	20	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS150-112 Customized solid shaft automation slip ring for special industries	112	0~240 VAC/VDC	can be customized	0~600rpm	IP65
DHS145-71-002 customized solid shaft automation slip ring 71channels for...	71	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS108-39 high end precision slip ring with aviation plug-360° Rotating...	39	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK200-58 large hole diameter through hole slip ring with aviation plug at...	58	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK140-146 customized through hole slip ring with aviation plug at stator end	146	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK096-46 High-end through hole slip ring with aviation plug 46 channels	46	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK075-4-100A Customized large current through hole slip ring ID 75mm 4...	27	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS224-50-5A Customized large size encapsulated slip ring diameter 224mm 5A	50	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS130F-4-200A Non-standard customized high current waterproof slip ring	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS118-20 Non-standard customized high-end solid shaft slip ring with...	20	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS033-26 customized solid shaft slip ring low electrical noise 26 channels...	26	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS018-31 High-quality encapsulated miniature multi-channel compact slip ring	31	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK065-6-002 customized through hole slip ring hole diameter 65mm 6channels	—	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS078-4-60A-002 customized solid shaft slip ring 4channels 60A for special...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS056-20-3A customised solid shaft slip ring with 20circuits 3A	20	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS035-27-3A Non-standard customization solid shaft slip ring 27channels 3A	27	0~240 VAC/VDC	can be customized	0~600rpm	IP54



Model / product	Circuits	Voltage	Current	Speed	IP
DHS180-4-400A-006 Customized high current slip ring 400A 4 channels	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK045-12 Hollow shaft slip rings inner diameter 45mm	12	0~240 VAC/VDC	2A,5A,10A,15A,20A	0~600rpm	IP54
DHS210-113-2F customize opto electrical slip ring for automation equipment	113	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant DHS0119-6 large inner diameter slip ring 6 channels with flange	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant high current through hole slip ring for Winding packing machine	—	0~240 VAC/VDC	2A,5A,10A,15A,20A	0~600rpm	IP54
Ingiant Solid flange type slip ring can be customized with 80 channel	80	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant non-standard customization slip ring with 9 circuits , ID125 for...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant non-standard customization high precision slip rings	24	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant automation slip rings 27channels used in automation machinery	27	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant maintenance-free waterproof automation slip ring diameter 78mm 4...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP65
Ingiant non-magnetic slip ring for aircraft 4 channels 1A	According to requireme	0~240 VAC/VDC	2A,5A,10A,15A,20A	0~600rpm	IP54
Ingiant compact size customized slip ring 53channels	53 channels	0~240 VAC/VDC	Can be customized	0~600rpm	IP54
Ingiant customized solid shaft slip ring for industrial machines	20	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Brass material large current terminal slip ring 1000A	—	0~240 VAC/VDC	10A	0~300rpm	IP51
Ingiant customized solid shaft slip ring 1channel 10A for remote operated...	—	0~240 VAC/VDC	10A	0~300rpm	IP51
Ingiant Medium frequency conductive slip ring 3 channels for Rotating...	—	0~240 VAC/VDC	15A, can be customized	0~600rpm	IP54
Ingiant customized pancake slip ring 3 channels 350mm for industrial machines	—	0~240 VAC/VDC	15A, can be customized	0~600rpm	IP54
Ingiant customized thin wall through hole slip ring ID145mm	21 channels	0~240 VAC/VDC	10A	0~100rpm	IP54
Ingiant high current slip rings 72 channels for lifting equipment	72	0~440 VAC/VDC	Can be customized	0~600rpm	IP54
Ingiant custmized high current slip ring 200A for mining machines	—	0~440 VAC/VDC	200A	0~600rpm	IP54
Ingiant customized slip ring 20 channels for LED display screen	58	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant special industries through bore slip ring 58 channels for industrial...	58	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant RJ02-501 dual channel high frequency joint slip ring	144	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant high-end customized combined slip ring, using aviation plug joint 34...	34	0~240 VAC/VDC	can be customized	0~600rpm	IP54
small slip rings with hollow shaft 5mm 12 channels for test equipment	12	0~240 VAC/VDC	2A,5A,10A,15A,20A	0~600rpm	IP54
High current slip rings 56 channels for large machining centers	56	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Through hole slip ring super long life 22 channels 5A	22	0~240 VAC/VDC	2A,5A,10A,15A,20A	0~600rpm	IP54
High current through hole slip ring 3 channels 200A,2 channels 10A.	—	0~240 VAC/VDC	2A,5A,10A,15A,20A	0~600rpm	IP54
slip rings for wind turbines	25	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Customized slip ring	34	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.