



Hybrid Slip Rings — Specification Sheet

A hybrid slip ring puts more than one kind of transfer into a single rotating body — power rings plus optical fibre, pneumatic passages, liquid passages, RF coax or high speed data, all turning on one axis.

Models in this sheet	106
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

Stacking three separate rotary joints on one axis costs length, alignment tolerance and reliability, and every extra interface is another place for a cable to chafe or a seal to leak.

INGIANT integrates the channels into one housing: the electrical stack, the fibre rotary joint core, the gas or liquid union and the coaxial path share a single rotor. Fewer parts on the axis, one mounting interface, one set of tolerances.

Model list with published parameters

Model / product	Circuits	Voltage	Current	Speed	IP
DHK015-55-002 Ingiant through hole Gigabit Ethernet slip ring hole diameter...	55	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
DHS066-37 Ingiant Ethernet slip ring transmitting 1 Gigabit Ethernet signal...	37	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS022-22-003 Ingiant industrial bus slip ring out diameter 22mm 22channels...	22	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS078-51-003 Ingiant Industrial bus slip ring out diameter 78mm with 51...	51	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS120-74-1Q Ingiant 120mm gas-electric hybrid slip ring 1 channel pneumatic...	74	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS054-3-2A-1Q Ingiant gas-electric hybrid slip ring solid 54mm with...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS085-26-1Q Ingiant gas-electric slip ring out diameter 85mm with 1 channel...	26	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS090-72-3S Ingiant 90mm RF slip ring combination three-channel coaxial...	72	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS082-2-30A-2F-LX Ingiant Photoelectric slip ring with 2-channel optical...	—	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
DHS055-49-1S Ingiant 55mm high frequency slip ring with 1 channel high...	49	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK035-6-2Q Ingiant through hole gas-electric slip ring hole diameter 35mm...	—	0~240 VAC/VDC	2A.5A.10A.15A.20A	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
DHS099-19-1Q Gas-electric hybrid slip ring 99mm with 1 channel pneumatic...	19	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



Model / product	Circuits	Voltage	Current	Speed	IP
DHS080-62 outer diameter 80mm Ethernet slip ring 1 channel 1000M Ethernet +...	62	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS040-76-1F single-channel photoelectric slip ring 40mm with 76 channels...	76	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS078-57-1Q Single-channel pneumatic rotary joint pneumatic electrical slip...	57	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK013-25-001 13mm inner diameter through hole industrial bus slip ring used...	25	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK100-129 Industrial bus slip ring with aperture 100mm transmits 129...	129	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS175-65-1F Non-standard customized Military photoelectric slip ring...	65	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS165-6-1F-2S-2Y 165mm Non standard customized hybrid slip ring combination...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS045-9-2Q-002 Pneumatic and electric hybrid slip ring 45mm combination...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS060-70 accept customization 2 channels solid shaft Gigabit Ethernet slip...	70	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS042-30 Customized encapsulated miniature slip ring outer diameter 5.5-54mm	30	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
DHS060-21-1S RF hybrid slip ring 1 channel RF + 21 channels power signal...	21	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS095-36-3S RF slip ring combination 3-way RF, power, 100M network for...	36	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS075-36-6F Photoelectric slip ring transmit 6 optical fibers and 36...	36	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS070-4-2A-4Q Ingiant gas-electric hybrid slip ring combination 4 channels...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS058-25-1F optoelectronic slip ring military grade standard, 1channel...	25	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS100-49-8F 8-in-8-out photoelectric combination slip ring 49 electrical...	49	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS085-30-8F optoelectronic hybrid slip ring 8-channel optical fiber...	30	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS048-35-1F photoelectric slip ring combination single channel fiber optic...	35	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS120-24-1Q-002 Gas-electric hybrid slip ring transmits Ethernet signal...	24	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
DHS082-8-2F optoelectronic slip ring diameter 82mm 8-channel electrical and...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS080-43-1S RF conductive slip ring 1-channel RF + 43-channel power signal	43	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS056-50-1F photoelectric slip ring 1 channel optical fiber + electric...	50	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS150-71-8F-2Y non-standard customized photoelectric-hydraulic combination...	150	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
DHS078-19-1S RF rotary joint 1-channel radio frequency rotating joint +...	19	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS045-43-1F Non-standard customizable photoelectric combination slip ring...	43	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS070-38-1F hybrid slip ring photoelectric slip rings combined 38...	38	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS130-56-5F high precision photoelectric slip ring combination 5 optical...	56	0~240 VAC/VDC	can be customized	0~600rpm	IP54



Model / product	Circuits	Voltage	Current	Speed	IP
DHS099-18-5A-1Q Electric-pneumatic hybrid slip ring 18 channels 5A electric...	18	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS095-27-4F 4 channels fiber optic and 27 channels electric hybrid slip ring	27	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK030-27-4Q Gas-electric hybrid slip ring through hole 30mm combined 4...	27	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS075-14-1F Optoelectronic hybrid slip ring combines 1 optical fiber and 14...	14	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS210-69-2F High-end customized photoelectric slip rings, using aviation...	69	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS078-46-3F-1Q Non-standard customized hybrid slip ring combination 3-way...	46	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS030-45-2A-2Y hybrid hydraulic slip ring combined 45channels 2A electrical...	45	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS200F-79-2Y-1Q Hybrid slip rings waterproof-combined electrical,...	79	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS070-95-1S hybrid slip ring combined 95 electrical channels and one RF...	95	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS058-17-1F optoelectronic hybrid slip ring 17channels power and 1-channel...	17	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS078-35-2A-1Q Hybrid slip rings combined 35 electrical channels and 1...	35	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS055-46-1F-002 Special aviation plug connector hybrid slip ring...	46	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant hybrid slip ring combine 73 channels power and 1 radio frequency...	63	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS050-44-1F-002 Photoelectric slip ring combination one channel optical...	44	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS028-20-1F Photoelectric combination slip ring diameter 28mm 20 channels...	20	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS099-7-5A-1Q Hybrid slip ring inner diameter 99mm, 7 channels 5A combined...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS055-45-2F-002 Optoelectronic slip ring diameter 55mm 45 channel...	45	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS095-25-8F photoelectric combination slip rings transmit 8 optical fibers...	25	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS140F-28-2F photoelectric slip ring 28 electrical channels combination...	28	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS300-90-1F hybrid slip ring diameter 300mm, 90 channels with 1 fiber...	90	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS260-47-2Y hybrid slip ring diameter 260mm, 47 channels with 2 hydraulic...	47	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
DHS106-144-2S hybrid slip ring combine RJ02-501 dual channel high frequency...	144	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS084-68-4F hybrid capsulated slip rings 68channels OD 84 mm with 4channels...	68	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK012F-10-1Q Compact Hybrid Slip Rings – 1channel...	—	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS036-88-1F miniature hybrid slip rings for electrical and fiber...	88	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS280-58-2Y hybrid pneumatic liquid slip rings combined 58channels...	58	0~240 VAC/VDC	can be customized	0~600rpm	IP54
YZKJJMDDHH-491F hybrid slip rings with 1optical fibres combined power,...	56	0~240 VAC/VDC	can be customized	0~600rpm	IP54
YZKJJMDDHH-80 hybrid automation slip rings 43 electrical channels 4-way...	80	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS284-70-1Q hybrid slip rings combined 70 circuits electrical and 1...	70	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS140-42-8F solid shaft hybrid slip ring 42 channels and fiber optic slip...	42	0~240 VAC/VDC	can be customized	0~600rpm	IP54



Model / product	Circuits	Voltage	Current	Speed	IP
DHS101-40-2F hybrid slip rings 40 circuits include 2 single mode fiber	40	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS086-19-1Q hybrid slip ring combined 1channel pneumatic and 18 electrical...	19	0~240 VAC/VDC	can be customized	0~600rpm	IP65
DHS080-50-2F-002 Photoelectric combination slip ring diameter 80mm 50...	50	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK145-21 large diameter low temp application through bore slip ring...	21	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS200-28-3Y-2Q Hybrid slip rings 28 channels include 3 hydraulic channels...	28	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS130-36-2F hybrid slip ring 36 channels include 2 fiber optic diameter 130mm	36	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS120-39-2F hybrid slip ring for power, signal and HD-SDI (1080p)...	39	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS037-48-1F hybrid slip ring in research can be found in almost all areas...	48	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS055-12-2A-8Q Hybrid slip rings 12channels 2A including 8 channels pneumatic	12	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS078-9-2A-1Q hybrid slip ring solid shaft 9 channels 2A with 1 pneumatic...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS120-10-1F aerospace and defense slip rings 10channels with 1 fiber optic	10	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS058-60-4F Photoelectric slip ring for high speed spherical camera	60	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant non-standard customization hybrid slip ring 85mm 63channels with 4...	63	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant space-saving capsulated slip rings 7 channels with 2 fiber optic for...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant rotary slip ring 5A 10A 20A miniature 30 circuits over propeller...	30	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant hybrid slip rings combined 58 channels electrical and 2 channels...	58	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant miniature hybrid slip rings for electrical and fiber transmission 88...	88	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant hybrid slip rings 25channels combine 1 channel fiber optic	25	0~240 VAC/VDC	Can be customized	0~300rpm	IP51
Ingiant IP65 customized through hole slip ring	—	—	—	—	—
Ingiant pneumatic slip ring rotary joint ID 35mm	—	—	—	—	—
Ingiant 1 air tube pneumatic rotary joint slip ring	—	0~440VAC/240VDC	2A/5A/10A	0~300RPM	IP51 Structu
Ingiant hybrid slip ring for gas liquid and electric transfer	—	0~440VAC/240VDC	2A/5A/10A	0~300RPM	IP51 Structu
Through Hole Slip Ring Combines Power 4channels 15A 13channels 2A with...	17	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
Hybrid Slip Rings – 1channel Pneumatic+10channelsElectric	—	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
Hybrid slip rings combination 28 electrical channels combination 2-way...	28	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant 70mm through hole slip ring electrical current collector	13 channels	0~240 VAC/VDC	2A~50A, can be customi	0~600rpm	IP54
Through hole slip ring	—	—	—	—	—

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.