



Fiber Optic Rotary Joints — Specification Sheet

A fibre optic rotary joint passes light across a rotating interface, so bandwidth, isolation and immunity to electrical noise survive continuous rotation where copper cannot follow.

Models in this sheet	62
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

High bandwidth video, long-distance links and electrically noisy environments defeat copper contacts. Twisting a fibre instead simply breaks it.

INGIANT builds single-channel and multi-channel optical rotary joints, and combines them with electrical rings, pneumatic passages and liquid unions into one photoelectric body when the axis has to carry more than light.

Model list with published parameters

Model / product	Circuits	Voltage	Current	Speed	IP
DHS055-11-2F Ingiant Photoelectric Slip Ring OD 55mm with 2 channels optical...	11	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS066-39-1F Ingiant Optoelectronic slip ring OD 66mm with 1 single mode...	39	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS060-56-5F Ingiant Photoelectric Combination Slip Ring with 5 channels...	56	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS055-28-2F-002 Ingiant Photoelectric Slip Ring OD 55mm with 2 channels...	28	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS036-53-1F Ingiant Single channel photoelectric slip ring 36mm transmit 1...	53	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS120-22-1F Ingiant Photoelectric Slip Ring out diameter 120mm transmit 1...	22	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS055-20-2F Ingiant Photoelectric Slip Ring OD 55mm with 2 channels optical...	20	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS058-42-1F Ingiant Photoelectric slip ring out diameter 58mm with 1 fiber...	42	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS050-39-1F Ingiant out diameter 50mm optoelectronic slip ring transmission...	39	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS073-32-4F Ingiant 4 channels optoelectronic slip ring out diameter 73mm...	32	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS058-2-30A-1F Photoelectric slip ring OD 58mm 2 channels 30A and 1 channel...	—	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS062-34-2F Photoelectric Rotary Joint 62mm with 2 channels optical fiber...	34	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
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
DHS054-30-3F photoelectric rotary joint out diameter 54mm with 3 channels...	30	0–240 VAC/VDC	can be customized	0–600rpm	IP54
DHS075-2-50A-1F Photoelectric slip ring out diameter 75mm with 1 optical...	—	0–240 VAC/VDC	can be customized	0–600rpm	IP54



Model / product	Circuits	Voltage	Current	Speed	IP
DHS069-2-30A-3F Photoelectric rotary joint with 3channels fiber optic slip...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS028-47-1F Ingiant Photoelectric slip ring diameter 28mm 47channels...	47	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS125-21-8F Ingiant Customized Military-grade photoelectric rotary joint 8...	21	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS047-65-1F Military quality single-channel photoelectric slip ring 47mm...	65	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DH90E-10F-D87-L206.5-001 87mm optoelectronic slip ring 10 channels optical...	90	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DH46E-5F-D76-L141-001 Optoelectronic rotary joint 76mm 5channels fiber optic...	46	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS080-38-8F Solid shaft 80mm series photoelectric slip ring combination...	38	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS070-70-2F 70mm optoelectronic rotary joint includes 2 optical fibers and...	70	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS050-50-5A-1F 50mm optoelectronic rotary joint 1 channel optical fiber and...	50	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS038-50-1F-002 38mm single channel optoelectronic slip ring transmit 1...	50	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS058-40-1F Non-standard customized military optoelectronic slip ring 40...	40	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS175-65-1F Non-standard customized Military photoelectric slip ring...	65	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS140F-31-4F Non standard customization waterproof optoelectronic rotary...	31	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS125-9-9F Customized outer diameter 125mm optoelectronic rotary joint...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS118-131-2F Optoelectronic rotary joint combines two-channel optical...	131	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS080-4-30A-1F single-channel optoelectronic slip ring with outer diameter...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS085-81-2F optoelectronic rotary joint 2-channel optical fiber 81channels...	81	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS070-36-2F Optoelectronic slip ring 70mm includes 2 optical fibers and 36...	36	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS060-49-1F-002 1 channel fiber optic – Optoelectronic slip ring military...	49	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS092-26-6F Customized photoelectric slip ring combination with 6 optical...	26	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
DHS075-36-6F Photoelectric slip ring transmit 6 optical fibers and 36...	36	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
DHS056-50-1F photoelectric slip ring 1 channel optical fiber + electric...	50	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
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
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



Model / product	Circuits	Voltage	Current	Speed	IP
Ingiant integral precision optoelectronic slip ring combine 4 channel...	70	0~240 VAC/VDC	can be customized	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
DHS040-28-1F integral precision optoelectronic slip ring transmit 1 optical...	28	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS045-51-1F photoelectric combination rotary joint 51channels combination...	51	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS030-25-2A-1F Photoelectric slip ring combination 25-channel 2A electrical...	25	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS099-64-1F single channel fiber optical rotary joint combine with 64...	64	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS060-54-1F photoelectric hybrid slip rings 54 channels with 1 fiber optic...	54	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant fiber optic slip ring10 channels for ethernet systems	—	—	—	2000 RPM Wavelen	IP54 (IP65■I
Ingiant fiber optical slip ring for HD network monitoring systems	—	—	—	—	—
Ingiant single mode multi channel fiber optic rotary joint for radar pedestals	—	—	—	—	—
Ingiant fiber optical slip ring 1 channels for UVA	—	0~240 VAC/VDC	Can be customized	0~1200rpm	IP51
Ingiant high-end customized combined slip ring, using aviation plug joint 34...	34	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Hybrid slip rings combination 28 electrical channels combination 2-way...	28	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Fiber Optic Rotary Joint	—	—	—	—	—

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.