



Ethernet Slip Rings — Specification Sheet

An Ethernet slip ring — also called a network slip ring or RJ45 slip ring — carries 10/100/1000 Base-T traffic through a rotating interface together with the power rings that feed the rotating side.

Models in this sheet	77
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 twisted pair will not tolerate continuous rotation, and a poorly built rotating joint shows up as packet loss, crosstalk and a link that drops to 100 Mbit under vibration.

The DHS series is developed for 250 MHz transmission and carries 1–2 Gigabit Ethernet channels alongside 1–30 power rings at 2–20 A. Fibre brush bundle contacts, precious metal rings and aluminium housings hold insertion loss, return loss and crosstalk inside spec.

Model list with published parameters

Model / product	Circuits	Voltage	Current	Speed	IP
DHK042-21 Ingiant customized through hole Ethernet slip ring 2 channels 100M...	21	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
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
DHK038-26 Ingiant ID 38mm through hole Ethernet slip ring with 1 Gigabit...	26	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS028-46 Ingiant Miniature Ethernet slip ring out diameter 28mm with 1...	46	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS030-24-002 Ingiant Micro Ethernet Slip Ring out diameter 30mm with 1...	24	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS035-51 Ingiant out diameter 35mm Gigabit Ethernet slip ring transmit 1...	51	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS050-35-002 Ingiant Ethernet slip ring out diameter 50mm with 1 channel...	35	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK035-9-002 Ingiant through hole Ethernet slip ring ID 35mm transmission...	—	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS060-65 Ingiant Gigabit Ethernet Slip Rings out diameter 60mm transmission...	65	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS028-49 Ingiant 100M Ethernet slip ring out diameter 28mm with 2 channels...	49	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS085-106 Ingiant Ethernet slip ring OD diameter 85mm with 1-channel 100M...	106	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS048-13 Gigabit Ethernet slip ring out diameter 48mm with 1 channel...	13	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS086-41 Ingiant Ethernet slip ring out diameter 86mm with 1 channel...	41	0~240 VAC/VDC	can be customized	0~600rpm	IP65
DHS085-27 Ingiant OD diameter 85mm Ethernet slip ring 2-channel 100M...	27	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS044-39 Ingiant solid shaft Ethernet slip ring 44mm with 5A current/2A...	39	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS018-11 Ingiant Gigabit Ethernet slip ring outer diameter 18mm with 1...	11	0~240 VAC/VDC	can be customized	0~600rpm	IP54

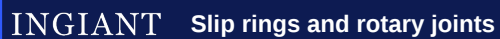


Model / product	Circuits	Voltage	Current	Speed	IP
DHK065-42 Ingiant through hole Ethernet slip ring hole diameter 65mm with...	42	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS100-18-003 OD100mm Ethernet slip ring with 20A current/5A signal/100M...	18	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK100-20 Ingiant through hole Ethernet slip ring hole diameter 100mm with...	20	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK110-66 through hole slip ring inner diameter 110mm with 1 channel 100Mbps...	66	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK050-46 Standard 50mm through hole Gigabit Ethernet slip ring with 1...	46	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK0560-10 Standard through hole 60mm 100M Ethernet slip ring with 2...	10	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS080-40 Gigabit Ethernet slip ring with 2 channel 1000M Ethernet + 20A...	40	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS055-46 Ingiant Solid shaft Ethernet slip ring out diameter 55mm...	46	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS060-7 100M Ethernet slip ring 1 channel 100M network diameter 60mm 2...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS050-92 Ingiant diameter 50mm Ethernet slip ring with1 channel 1000M...	92	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS057-149 Customized OD 57mm Ethernet slip ring 149 channels for box type...	149	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS035-21-003 Ingiant solid shaft 35mm 1-channel 100M/1000M Ethernet slip ring	21	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK078-27 Ingiant through hole Gigabit ethernet slip rings 1channel Gigabit...	27	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK067-32 Ingiant Customized through hole 67mm 2 channels 100M Ethernet slip...	32	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK420-106 Ingiant Extra large hole 420mm through hole slip ring with 8...	106	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK060-75 Military quality 4-channel 100M Ethernet slip ring 60mm hollow...	75	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS050-27 diameter 50mm Ethernet slip ring with1 channel 1000M Ethernet + 18...	27	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS040-54-007 Gigabit Ethernet slip ring transmission 1 channel 1000M...	54	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK090-47 Standard hole diameter 90mm series Gigabit Ethernet Slip Ring...	47	0~240 VAC/VDC	2A.5A.10A.15A.20A	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
DHK102-35 Inner hole diameter 102mm Ethernet slip ring combination 3...	35	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK242-43 large hole diameter 242mm through hole Ethernet slip rings...	43	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS056-23 customised solid shaft Gigabit Ethernet slip ring transmission of...	23	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS025-29-002 Standard model DHS025 series solid shaft Ethernet slip rings...	29	0~240 VAC/VDC	can be customized	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
DHS078-17 78mm Ethernet slip ring customization and transmit 100/1000M...	17	0~240 VAC/VDC	can be customized	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
DHS030-8 standard DHS030 series Ethernet slip ring RJ45 connector transmit...	—	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
DHS040-38-003 40mm diameter Ethernet slip ring transmits 20A current and...	38	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS062-58 Customized Gigabit Ethernet slip ring inner diameter 62mm hybrid...	58	0~240 VAC/VDC	can be customized	0~600rpm	IP54



Model / product	Circuits	Voltage	Current	Speed	IP
DHS030-21 30mm series high precision Ethernet slip ring can be customized	21	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS055-53-002 Customized Gigabit Ethernet Slip Ring can be integrated to...	53	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS050-25 50mm Solid Shaft Ethernet Slip Ring 1 Channel Ethernet Combination...	25	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS078-44-002 customized Ethernet slip ring diameter 78mm hybrid power and...	44	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK045-18 Ethernet slip ring with through hole 45mm 18 channels accept...	18	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS025-40 100/1000M Ethernet slip ring used in high-definition video...	40	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK083-12 through hole 100MHz Ethernet slip ring 12channels for small...	12	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS065-53 specially designed gigabit Ethernet slip rings diameter 65mm 53...	53	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS052-26 Customized Industrial 100M Ethernet slip rings for automation...	26	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK120-25 Network HD Ethernet slip ring large pore size through hole slip ring	25	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
DHS064-29 Ethernet Slip Rings – High-End Rotating Conductive Ethernet Slip...	29	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS056-9-2A customised solid shaft Ethernet slip rings with 9 circuits 2A...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK075-112 through hole Ethernet slip ring 1000M Ethernet signals inner...	112	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK010-13 Ethernet slip ring transmit 1000M Ethernet and 1~13 channels...	13	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS056-11 Compact 100Mbit/s Ethernet slip rings with diameter 56mm 11 channels	11	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS044-40 Ethernet slip ring with solid flange design diameter 44mm 40channels	40	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS120-40-003 Customized industrial-grade compact Ethernet slip rings on...	40	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS040-11 capsulated Ethernet slip ring diameter 40mm 11channels	11	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHK025-19 INGIANT 1000M Ethernet slip ring with hollow shaft hole diameter...	19	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHK090-21 Hybrid slip rings for power, signal and ethernet hole diameter...	21	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS032-29 Ethernet slip ring solid shaft with flange diameter 32mm	29	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS055-60-002 Ethernet slip ring outer diameter 55mm 60 channels with flange	60	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS116-98 Ethernet Slip Ring Combination Power and Ethernet Diameter 116mm...	98	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS098-25 Hybrid slip rings ethernet slip ring diameter 98mm 25 channels	25	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS046-38-002 Hybrid slip rings Ethernet+Electric diameter 46mm 38channels	38	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS026-32 Ethernet slip ring 32channels diameters 32mm	32	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant ethernet slip ring 32channels diameter 30mm	32 channels	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
Hybrid Slip Rings Ethernet+Electric	38	0~240 VAC/VDC	can be customized	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.