



Capsulated Slip Rings — Specification Sheet

A capsulated slip ring is a sealed cylinder with a solid shaft: the rotor turns, the stator stays still, and both ends leave the body as flying leads. It is the smallest way to get a rotating electrical connection into a tight assembly.

Models in this sheet	141
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

In dome cameras, small robot wrists, test rigs and medical instruments there is no room for a flanged through bore unit, and the cable still winds itself up after a few dozen turns.

INGIANT capsule units run from roughly 5.5 mm to 80 mm outside diameter, with precious metal contacts, an aluminium or engineering plastic housing and pre-terminated leads, so the part drops into the assembly without a mounting redesign.

Model list with published parameters

Model / product	Circuits	Voltage	Current	Speed	IP
DHS050-20-002 Ingiant Flange install slip ring standard out diameter 50mm...	20	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS045-95 DHS045-95 Ingiant OD 45mm rotor flange slip ring transmits 81...	95	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS040-30-006 Ingiant Rotor flange slip ring out diameter 40mm with 30...	30	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS044-41 Ingiant Rotor flange slip ring out diameter 44mm 41 channels power...	41	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS070-54-002 Ingiant Rotor flange slip ring outer diameter 70mm with 54...	54	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS047-52-3A Ingiant Rotor flange slip ring out diameter 47mm with 52...	52	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS030-12-3A Ingiant Encapsulated miniature slip ring out diameter 30mm...	12	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS060-200-3A Ingiant Rotor flange slip ring out diameter 60mm with 200...	200	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS032-64 Ingiant Industrial bus slip ring outer diameter 32mm 64 channels...	64	0~240 VAC/VDC	can be customized	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
DHS090-90-3A Ingiant Stator flange slip ring out diameter 90mm with 90...	90	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS023-25 Ingiant High quality capsule slip ring out diameter 23mm 25channels...	25	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS016-22 Ingiant Miniature slip ring out diameter 16mm 22 channels electric...	22	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS018-30 Ingiant miniature slip ring 18mm 30 channels 0.8A current for...	30	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS025-5-10A capsule slip ring out diameter 25mm 5channels 10A/channel for...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS017-20-002 Ingiant Micro slip ring out diameter 17mm with 1channel HD-SDI...	20	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS048-18 Ingiant Stator flange slip ring out diameter 48mm with 8 channels...	18	0~240 VAC/VDC	can be customized	0~600rpm	IP54



Model / product	Circuits	Voltage	Current	Speed	IP
DHS066-10 Ingiant Stator flange conductive slip ring out diameter 66mm with...	10channels DHS066-10	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS155-11 Ingiant rotor flange conductive slip ring out diameter 155 mm...	11	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS019-28 Ingiant miniature slip ring with outer diameter 19mm 28 channels...	28	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS016-16 Ingiant Miniature slip ring out diameter 16mm 16channels electric...	16	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS032-25 Ingiant rotor flange conductive slip ring with diameter 32mm 25...	25	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS056-42 OD 56mm high quality solid shaft slip ring 42 channels with flange...	42	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS120-169 Ingiant outer diameter 120mm rotor flange conductive slip rings...	169	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS120-128 Ingiant rotor flange conductive slip ring diameter 120mm 128...	128	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS099-120 Ingiant OD99mm rotor flange conductive slip ring 3channels 20A...	120	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS070-69 Ingiant Military grade OD70mm rotor flange conductive slip ring...	69	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS027-6-2A-002 Ingiant custom solid shaft compact conductive slip ring OD...	38	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS027-6-2A-002 Ingiant OD 27mm miniature slip ring 6 channels 2A used for...	—	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
DHS090-64 90mm solid shaft rotor flange conductive slip ring 64channels...	64	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS065-72-1A solid flange automation slip ring diameter 65mm 72channels 1A	72	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS045-34 stator flange slip ring solid shaft slip ring stator flange...	34	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS022-15-1A standard DHS022 series capsule slip ring 15 channels 1A for...	15	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS080-82 Automation slip rings 82 channels be used for industrial power and...	82	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS078-36-003 rotor flange conductive slip ring 36channels for Industrial...	36	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS028-51 Industrial bus slip ring 28mm 51channels transmits sensor signal	51	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS057-54 automation slip rings with outer diameter 57mm transmission of...	57	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS020-9 high frequency conductive slip ring diameter 20mm 9 channels	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS022-22-002 22mm outer diameter UAV slip ring gimbal slip ring small slip...	22	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS022-28-2A high-quality capsulated slip ring 22mm 28 channels 2A for...	28	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS145-207 compact automation slip rings up to 1000 rpm diameter145mm 207...	207	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS012-6-2A standard miniature capsule slip ring 6 channels 2A maintenance...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS057-109 57mm rotor flange conductive slip ring 109 channels	44	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS050-62 diameter 50mm flange slip ring stator flange slip ring precision...	62	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS120-140 solid rotor flange slip ring diameter 120mm 140 channels 360...	140	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS025-33-003 diameter 25mm flange slip ring,stator flange conductive slip...	33	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS042-100-3A solid shaft slip ring Rotor flange slip ring diameter 42mm...	100	0~240 VAC/VDC	can be customized	0~600rpm	IP54



Model / product	Circuits	Voltage	Current	Speed	IP
DHS027-42 Non-standard customization capsulated miniature slip ring with...	42	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS025 series standard high-end precision solid shaft slip ring with flange	48	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS020-18 capsulated miniature slip rings with solid flange diameter 20mm...	18	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS119-63 automation slip rings for high rotational speed and industrial...	63	0~240 VAC/VDC	can be customized	0~600rpm	IP54
High quality industrial grade conductive automation slip ring diameter 65mm...	71	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS030-7-3A Premium Industrial Grade capsulated slip ring 30mm 7channels 3A	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS032-32-5A capsulated slip rings with flange diameter 32mm 32channels 5A	32	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS035-20-3A High precision solid shaft single axis turntable slip ring 20...	20	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS120-17-002 Solid shaft capsulated slip ring diameter 120mm 17 channels...	17	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS060-2 Ingiant capsulated automation slip rings outer diameter 60mm...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS012-6-3A-002 standard capsulated miniature slip rings with outer diameter...	12	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Standard DHS075 series solid shaft slip ring 172 channels flange installation	172	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS060-12-10A capsulated automation slip rings 12channels 10A for complex...	12	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant capsulated slip rings diameter 45mm 36channels for robotics	36	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS040-72-002 capsulated miniature slip rings diameter 40mm 72channels	72	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
DHS080-64-3A capsulated slip ring 64 channels 3A for power- and signal...	50	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS045-30 compact slip rings diameter 45mm 30channels with solid shaft	30	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS035-71 Non standard capsulated slip ring diameter 30mm 71channels	71	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS030-63 capsulated miniature slip rings diameter 30mm 63channels for...	63	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS070-52 capsulated solid shaft slip rings diameter 70mm 52channels	52	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS046-25-3A-002 capsulated slip ring diameter 46mm 25channels 3A with flange	25	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS058-15-3A high-quality capsulated slip ring diameter 58mm 15channels 3A...	15	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS150-4-400A Solid shaft high current slip ring 400A 4channels diameter 150mm	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS013-14 capsulated miniature slip rings diameter 13mm 14channels	14	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS050F-16 Standard capsulated slip ring ID 50mm 16channels waterproof	16	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS068-66 solid shaft conductive slip ring 68mm 66channels for amusement rides	66	0~240 VAC/VDC	can be customized	0~600rpm	IP54
SRT0151-6 solid shaft slip ring with a diameter of 151mm and 6 channels	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS088-67 capsulated slip ring diameter 88mm 67channels with flange	67	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
DHS096-66-2F Optoelectronic slip rings diameter 96mm 66channels with 2 fiber...	66	0~240 VAC/VDC	can be customized	0~600rpm	IP54



Model / product	Circuits	Voltage	Current	Speed	IP
DHS019-26 capsulated miniature slip ring with outer diameter 19mm 26 channels	40	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS023-40 miniature capsulated slip rings 40 channels are maintenance-free	40	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS136-183 high reliability solid shaft compact slip ring diameter 136mm,...	183	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS160-72 customized high reliability capsule slip rings 160mm diameter 72...	72	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS078F-4-002 maintenance-free automation slip rings diameter 78mm 4...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS038-23 compact slip rings with outer diameter 38mm for power and signal...	23	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS128-93 solid shaft capsulated slip ring 128mm diameter 93channels for...	93	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS073-76-2F solid shaft capsulated slip rings 76 channels with 2 fiber optic	76	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS174-84-1F low frequency capsulated slip ring 174 mm 84channels with one...	84	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS155-4 high-current conductive slip ring 3channels 310A 1channel 160A	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS057-44 encapsulated slip rings diameter 57mm 44channels	44	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
DHS081-34 capsule slip rings diameter 81mm 34 circuits with flange...	34	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS042-40-3A capsulated slip ring 40 channels 3A diameter 42mm	40	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS040F-41-002 Capsulated waterproof slip ring transmission reliable power...	41	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS017-21-2A capsulated miniature slip rings 21channels 2A for CCTV Pedestal	21	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS100-125 Automation slip rings use advanced fibre brush have 125channels	125	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS099-53-20A solid shaft conductive capsulated slip ring 50 circuits 20A	53	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS095-58 capsulated slip ring solid without holes, outer diameter 95mm,...	58	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS082-7-2F-L300-002 capsulated slip ring 7channels include 2 fiber optic...	—	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS100F-34-1F explosion-proof conductive slip ring with 1 fiber optic for...	34	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS066-61 capsulated conductive slip ring diameter 66mm 61channels for pick...	61	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS076-31 Capsulated slip rings diameter 76mm 31 circuits for industrial...	31	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS054-24 Capsulated slip rings diameter 54mm 24channels for engineering...	24	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS048-14 solid shaft slip ring 14 channels for engineering machinery	14	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS044-51-002 Capsulated slip rings ID44mm 51channels	51	0~240 VAC/VDC	can be customized	0~600rpm	IP54
capsule slip ring 22mm diameter 12 wires 2A	—	—	—	—	—
DHS034-39 solid shaft slip ring 39channels and diameter 39mm	39	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS029-20-2A-1F miniature capsule slip ring 2A 20 circuits with one fiber...	20	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS020-13 enclosed miniature slip rings for drone	13	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS027-41miniature solid shaft slip ring for use in space-critical...	41	0~240 VAC/VDC	can be customized	0~600rpm	IP54



Model / product	Circuits	Voltage	Current	Speed	IP
DHS016-12-002 Miniature slip ring with 12 circuits for Centrifugal test bench	12	0~240 VAC/VDC	2A.5A.10A.15A.20A	0~600rpm	IP54
DHS090-51-3S solid shaft slip ring 51channels 90mm	51	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS022-18 standard high speed miniature solid shaft slip ring 22mm 18channels	18	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Compact mini 2A capsule slip ring with flange	—	—	—	—	—
DHS024-24 flange install solid shaft capsulated slip ring 24mm 24channels	24	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS050-30-2A Standard solid shaft slip ring 30channels 2A	30	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS075-87 Ingiant standard product capsulated slip rings 75mm	87	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS050-56-002 DHS series standard automation slip ring ID50mm 56channels	56	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS040-46-002 Reliable Power and Signal Transmission through Capsulated...	46	0~240 VAC/VDC	can be customized	0~600rpm	IP54
DHS032-37 High-quality encapsulated miniature slip rings for use in...	37	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant perfect compact slip ring solutions with 45mm 28channels	28	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant capsulated slip rings 65mm 48 channels with 1 fiber optic	48	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant capsulated slip rings 70mm 87 channels for engineering machinery	87	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant ID28 solid shaft slip ring 39 channels for engineering machinery	39	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant large current encapsulated miniature slip rings 17wires 16mm	17	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant high precision capsulated slip rings 60 mm 53channels	53	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant capsulated slip rings 13 channels have reliable power and signal...	13	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 capsule slip ring 30mm 32 channels for welding equipment	32	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant solid shaft flange slip rings used well in drone and RC flight model	27	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant solid shaft slip ring 25 channels used in modern smart farming	25	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant custom solid shaft slip ring 128mm diameter 93channels for...	93	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant customized high reliability capsule slip ring 160mm diameter 72...	72	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant compact slip rings with outer diameter 38mm for power and signal...	23	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant capsule slip rings 68channels OD 84 mm with flange	68	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant servo encoder slip ring with diameter 78mm 48channels	According to requireme	0~240 VAC/VDC	2A,5A,10A,15A,20A	0~600rpm	IP54
Ingiant capsulated slip rings with diameters 25mm 13channels	13	0~240 VAC/VDC	Can be customized	0~300rpm	IP51
Ingiant high precision diameter 120mm 17 channels solid shaft slip ring	17	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Ingiant high reliability solid shaft capsule slip rings diameter 136mm, 183...	183	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Capsulated miniature slip rings 40channels are maintenance-free	40	0~240 VAC/VDC	can be customized	0~600rpm	IP54
Capsulated Slip Rings	40	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.