SRH70155 series

Through-bore dia. 70mm

- Make use of advanced sheaf brush technology to design and manufacture
- Suffice 360° unrestrained continuous rotation to transmitting power and/or data
- Product modularize
- Long life and maintenance-free operation

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Description

A slip ring can be used in any electro-mechanical system that requires unrestrained, continuous rotation while transmitting power and/or data from a stationary to a rotating structure. A slip ring is also called a rotary electrical interface, collector, swivel, or a rotary joint. A slip ring can improve system performance by simplifying operations and eliminating damage-prone wires dangling from movable joints.

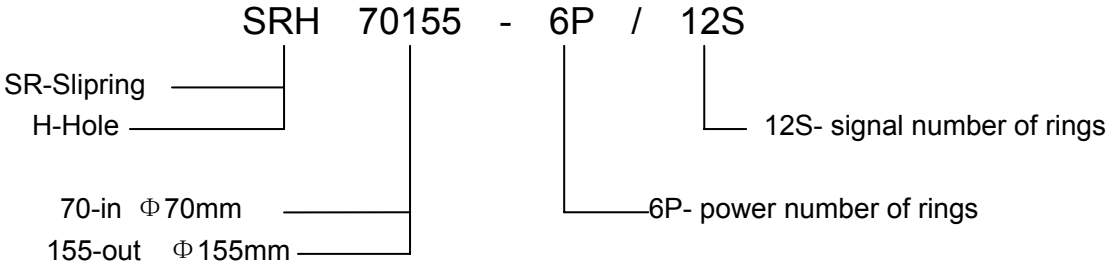
A slip ring are metal rings that provide a continuous electrical connection through brushes on stationary contacts.

It's configuration is column type. each ring lies along the drum axis, like threads on a bolt.

The SRH70155 uses sheaf brush technology which offers several advantages over conventional slip ring contacts, including multiple points of contact per brush bundle, low contact force per brush, low noise and low contact wear rates. In addition, sheaf brushes do not require lubrication and produce virtually no wear debris.

Applications

- Rotary index tables, machining centers etc Industrial machinery
- Cable reelst,est equipment and machining centers
- Heavy equipment turrets
- Packaging machines, magnetic clutches, palletizing machines
- Process control equipment
- Rotary sensors, robotics,emergency lighting
- Display/ Medical equipment, Exhibit equipment



P, P1, P2 respectively 10A, 15A, 20A

Model	L=mm	Current		Total rings
		Power (10A、15A or 20A)	Signal (5A)	
SRH70155-6P	84.5	6	—	6
SRH70155-12S	84.5	—	12	12
SRH70155-12P	114.5	12	—	12
SRH70155-6P/12S	114.5	6	12	18
SRH70155-24S	114.5	—	24	24

Model	L=mm	Current		Total rings
		Power (10A、15A or 20A)	Signal (5A)	
SRH70155-18P	144.5	18	—	18
SRH70155-12P/12S	144.5	12	12	24
SRH70155-6P/24S	144.5	6	24	30
SRH70155-36S	144.5	—	36	36
SRH70155-24P	174.5	24	—	24
SRH70155-18P/12S	174.5	18	12	30
SRH70155-12P/24S	174.5	12	24	36
SRH70155-6P/36S	174.5	6	36	42
SRH70155-48S	174.5	—	48	48
SRH70155-30P	204.5	30	—	30
SRH70155-24P/12S	204.5	24	12	36
SRH70155-18P/24S	204.5	18	24	42
SRH70155-12P/36S	204.5	12	36	48
SRH70155-6P/48S	204.5	6	48	54
SRH70155-60S	204.5	—	60	60
SRH70155-36P	234.5	36	—	36
SRH70155-30P/12S	234.5	30	12	42
SRH70155-24P/24S	234.5	24	24	48
SRH70155-18P/36S	234.5	18	36	54
SRH70155-12P/48S	234.5	12	48	60
SRH70155-6P/60S	234.5	6	60	66
SRH70155-72S	234.5	—	72	72
SRH70155-42P	264.5	42	—	42
SRH70155-36P/12S	264.5	36	12	48
SRH70155-30P/24S	264.5	30	24	54
SRH70155-24P/36S	264.5	24	36	60
SRH70155-18P/48S	264.5	18	48	66
SRH70155-12P/60S	264.5	12	60	72
SRH70155-6P/72S	264.5	6	72	78
SRH70155-84S	264.5	—	84	84
SRH70155-48P	294.5	48	—	48
SRH70155-42P/12S	294.5	42	12	54

Model	L=mm	Current		Total rings
		Power (10A、15A or 20A)	Signal (5A)	
SRH70155-36P/24S	294.5	36	24	60
SRH70155-30P/36S	294.5	30	36	66
SRH70155-24P/48S	294.5	24	48	72
SRH70155-18P/60S	294.5	18	60	78
SRH70155-12P/72S	294.5	12	72	84
SRH70155-6P/84S	294.5	6	84	90
SRH70155-96S	294.5	—	96	96

Can be customized according to customer requirements to 216 channels

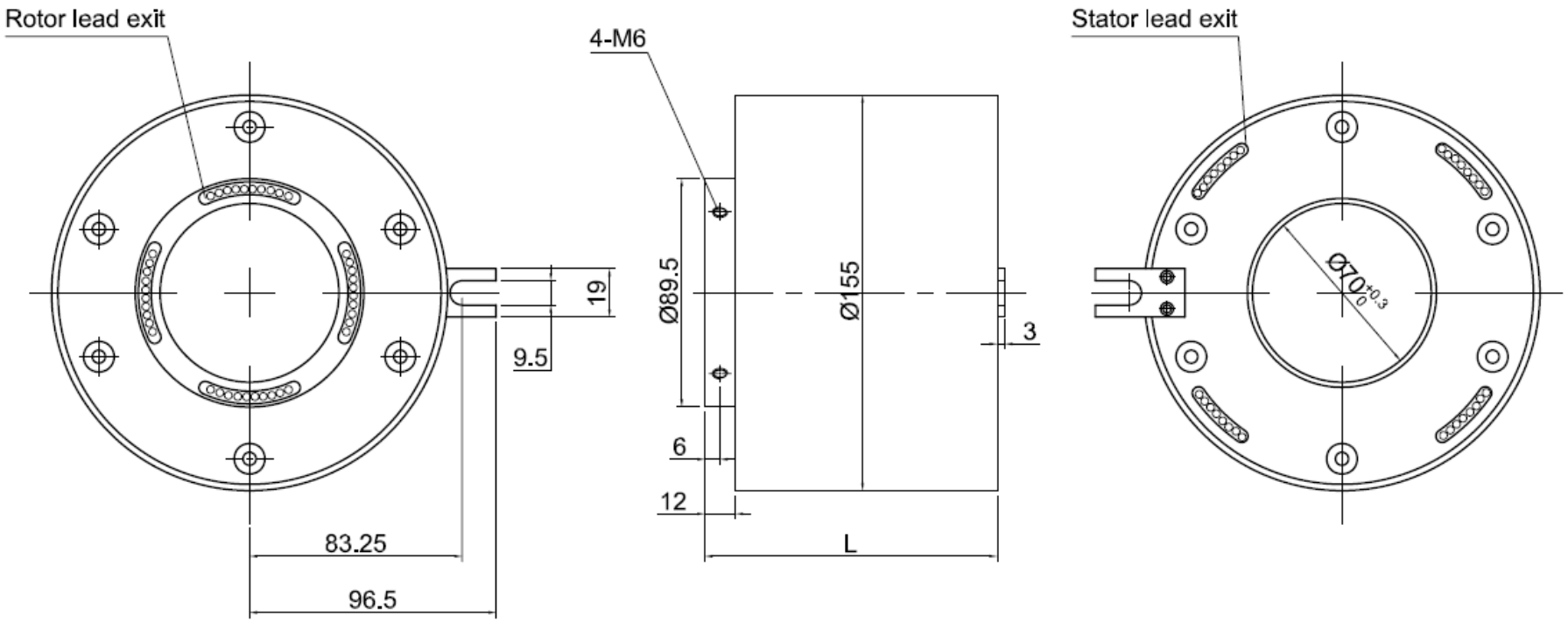
Electrical data .

Lead	Power：tinning wires，PTFE or PVC insulated Signal：silver plated，PTFE or PVC insulated
Standard Lead lengths	500mm (other lengths on request)
Voltage	Power：0-600VAC；Signal：0-240VAC
Insulation Resistance	≥1000MΩ/500VDC
Dynamic contact Resistance	≤0.01Ω

Mechanical data

Operate Speed	0 - 800 rpm continuous
Contact material surface	silver alloy
Bearing	Steel ball bearings
Housing	Engineering plastics
Temperature range	-40° C to 80° C
Features	All closed

SRH70155 Outline dimension



1, Drawings is referenced size, measurements are in millimeters.

2, Rotor and stator leads exit 4 places, 90°apart