SRH50120 series

Through-bore dia. 50mm

- 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.

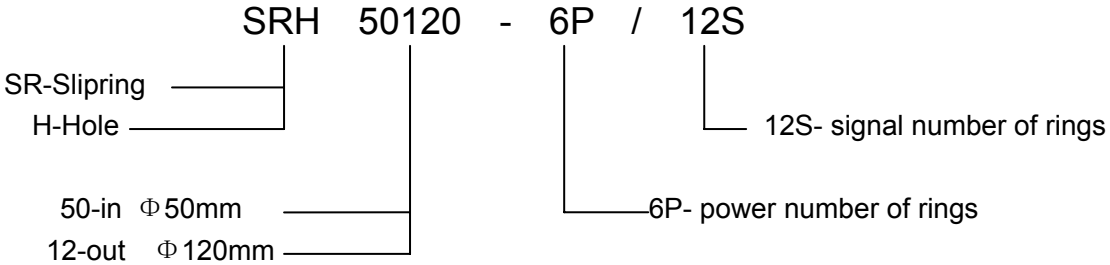
A slip ring are metal rings that provide a continuous electrical connection through brushes on stationary contacts.

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

The SRH50120 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



Model	L=mm	Current		Total rings
		Power (10A or 15A)	Signal (5A)	
SRH50120-6P	70	6	—	6
SRH50120-12S	70	—	12	12
SRH50120-12P	100	12	—	12
SRH50120-6P/12S	100	6	12	18
SRH50120-24S	100	—	24	24

Model	L=mm	Current		Total rings
		Power (10A or 15A)	Signal (5A)	
SRH50120-18P	130	18	—	18
SRH50120-12P/12S	130	12	12	24
SRH50120-6P/24S	130	6	24	30
SRH50120-36S	130	—	36	36
SRH50120-24P	160	24	—	24
SRH50120-18P/12S	160	18	12	30
SRH50120-12P/24S	160	12	24	36
SRH50120-6P/36S	160	6	36	42
SRH50120-48S	160	—	48	48
SRH50120-30P	190	30	—	30
SRH50120-24P/12S	190	24	12	36
SRH50120-18P/24S	190	18	24	42
SRH50120-12P/36S	190	12	36	48
SRH50120-6P/48S	190	6	48	54
SRH50120-60S	190	—	60	60
SRH50120-36P	220	36	—	36
SRH50120-30P/12S	220	30	12	42
SRH50120-24P/24S	220	24	24	48
SRH50120-18P/36S	220	18	36	54
SRH50120-12P/48S	220	12	48	60
SRH50120-6P/60S	220	6	60	66
SRH50120-72S	220	—	72	72

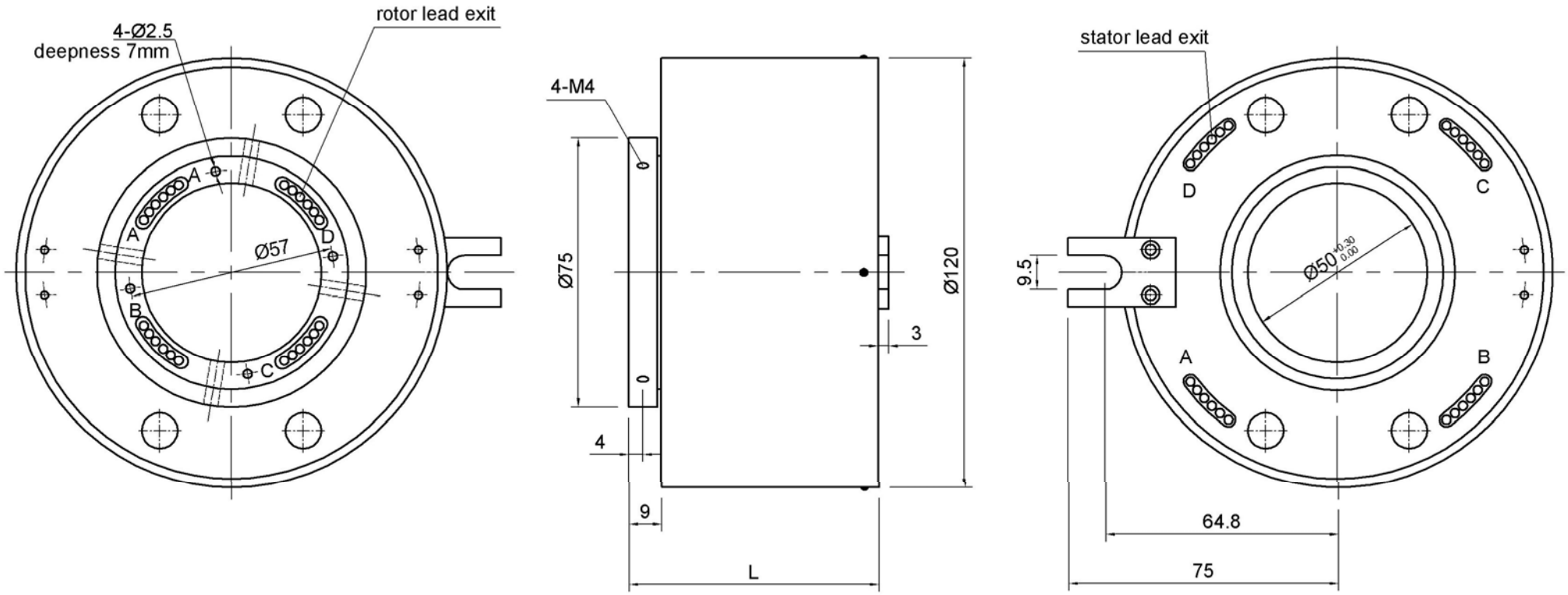
Electrical data .

Lead	AWG14,16 and AWG22,color Tinning wires, PTFE insulated
Standard Lead lengths	500mm (other lengths on request)
Voltage	600VAC
Insulation Resistance	≥1000MΩ/500VDC
Dynamic contact Resistance	＜0.01 Ω

Mechanical data

Operate Speed	0 - 250 rpm continuous
Contact material surface	Brush: silver alloy,Ring: silver-gilt copper
Bearing	steel ball bearings
Housing	Engineering plastics
Temperature range	-40° C to 80° C

SRH50120 Outline dimension



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

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

3, IP:51