

SRH50120 – 50 mm through-bore

Slip rings can be used in any electromechanical system requiring unrestrained, continuous rotation, while transmitting power and/or data from a stationary to a rotating structure.

A slip ring is sometimes referred to as a rotary electrical interface, collector, swivel or rotary joint.

The SRH Series uses multiple contact point technology, allowing for low contact electric resistance between brushes and ring. This reduces electrical noise and the slip ring gets a longer lifetime.

No lubrication required.



Typical applications

- Cable reels
- Medical equipment
- Packaging machines

Quick facts

- Compact size
- Quick delivery
- Low cost
- High reliability and duration
- Low friction torque
- Smooth rotation
- In compliance with CE and ROHS standards

Number of circuits	6, 12, 18, 24, 36, 48, 60, 72
Voltage	600 VAC
Cables/Current rating	tin plated, PTFE insulation /15 A or 10 A: AWG16 2 A: AWG26
Dielectric strength	1000 VAC at 60 Hz
Insulation resistance	500 VAC at 60 Hz
Insulation resistance	> 1000 MΩ / 500 Vcc
Nominal speed	1000 rpm
Temperature	-20°C to +80°C
Rating life	10 ⁸ revolutions (depending on speed and on environmental conditions)
Contact	Gold on Gold / Silver on Silver
Protection	IP51 or high or request

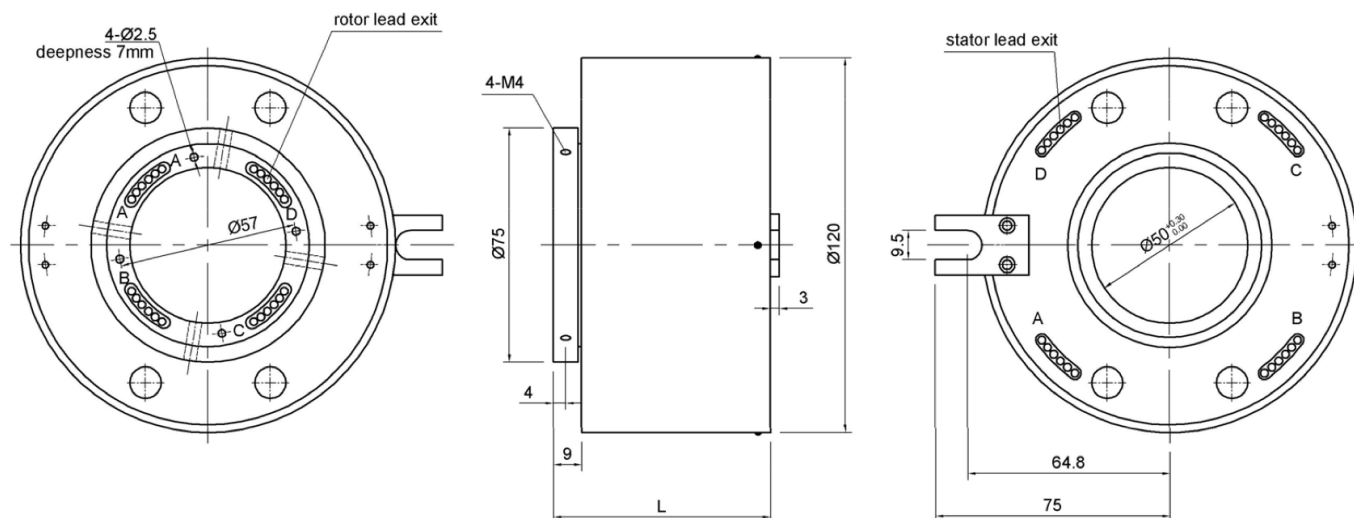
We can also offer custom designs. As a customer you have the possibility to specify the slip ring to comply with your needs. We can also offer hybrid units, for example a combined slip ring and fiber optic rotary joint, integrated into one small housing.

Other options we can offer:

- Inclusion of coax and miniature data bus cables
- Harnessing of lead wires into chosen crimps and connectors

SRH50120

Outline dimension



Model	Total Rings	2A	10A / 15A	Length
SRH50120-6P	6	-	6	70 mm
SRH50120-12S	12	12	-	70 mm
SRH50120-12P	12	-	12	100 mm
SRH50120-6P/12S	18	12	9	100 mm
SRH50120-24S	24	24	-	100 mm
SRH50120-18P	18	-	18	130 mm
SRH50120-12P/12S	24	12	12	130 mm
SRH50120-6P/24S	30	24	6	130 mm
SRH50120-36S	36	36	-	130 mm
SRH50120-24P	24	-	24	160 mm
SRH50120-18P/12S	30	12	18	160 mm
SRH50120-12P/24S	36	24	12	160 mm
SRH50120-6P/36S	42	36	6	160 mm
SRH50120-48S	48	48	-	160 mm
SRH50120-30P	30	-	30	190 mm
SRH50120-24P/12S	36	12	24	190 mm
SRH50120-18P/24S	42	24	18	190 mm
SRH50120-12P/36S	48	36	12	190 mm
SRH50120-6P/48S	54	48	6	190 mm
SRH50120-60S	60	60	0	190 mm

Model	Total Rings	2A	10A / 15A	Length
SRH50120-36P	36	-	36	220 mm
SRH50120-30P/12S	42	12	30	220 mm
SRH50120-24P/24S	48	24	24	220 mm
SRH50120-18P/36S	54	36	18	220 mm
SRH50120-12P/48S	60	48	12	220 mm
SRH50120-6P/60S	66	60	6	220 mm
SRH50120-72S	72	72	-	220 mm

SRH5012-6P in lead exit 1

Ring No.	Colour code
1	RED
2	YEL
3	BLK
4	BLU
5	GRN
6	WHT

SRH5012-18P in red shrink tube

Ring No.	Colour code
1	RED
2	YEL
3	BLK
4	BLU
5	GRN
6	WHT

SRH5012-18P in black shrink tube

Ring No.	Colour code
7	PUP
8	GRY
9	BRN
10	ORN
11	DBLU
12	KHK

SRH5012-18P in blue shrink tube

Ring No.	Colour code
13	RED
14	YEL
15	BLK
16	BLU
17	GRN
18	WHT

SRH5012-12S in red shrink tube

Ring No.	Colour code
1	RED
2	YEL
3	BLK
4	BLU
5	GRN
6	WHT
7	PUP
8	GRY
9	BRN
10	ORN
11	DBLU
12	KHK

SRH5012-12P in lead exit 1

Ring No.	Colour code
1	RED
2	YEL
3	BLK
4	BLU
5	GRN
6	WHT

SRH5012-12P in lead exit 2

Ring No.	Colour code
7	PUP
8	GRY
9	BRN
10	ORN
11	DBLU
12	KHK

SRH5012-24P in red shrink tube

Ring No.	Colour code
1	RED
2	YEL
3	BLK
4	BLU
5	GRN
6	WHT

For more color codes, please contact us.

SRH5012-24P in black shrink tube

Ring No.	Colour code
7	PUP
8	GRY
9	BRN
10	ORN
11	DBLU
12	KHK

SRH5012-24P in blue shrink tube

Ring No.	Colour code
13	RED
14	YEL
15	BLK
16	BLU
17	GRN
18	WHT

SRH5012-24P in green shrink tube

Ring No.	Colour code
19	PUP
20	GRY
21	BRN
22	ORN
23	DBLU
24	KHK