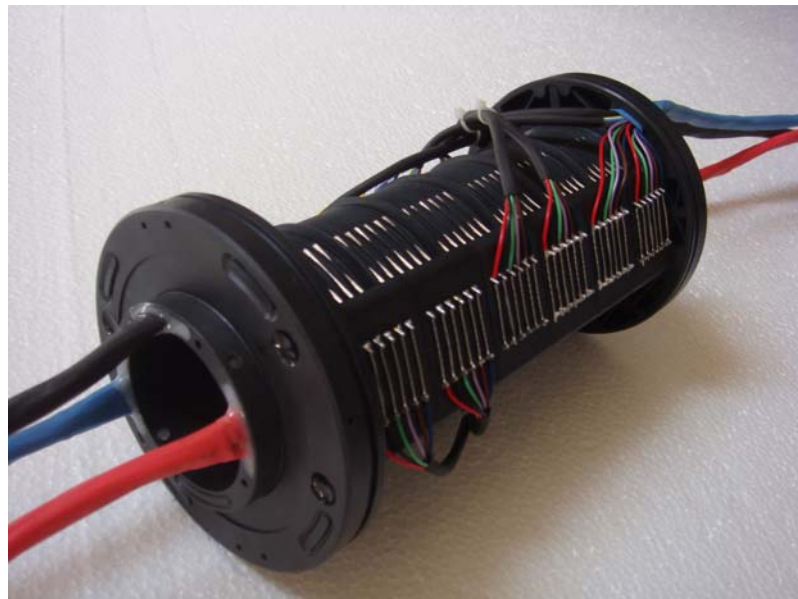


SRH3599 series



Through-bore dia. 35mm

- ◆ 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



Hangzhou Prosper Electric CO.Ltd

<http://www.hzqs.com>

<mailto:sales@hzqs.com>

Address: 1-1, the third jianhua sanjak, gensan east RD, hangzhou310021, P.R.China

Tel: 0086-571-8649 6781 8649 6782 8649 6783

Fax: 0086-571-8649 6785



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.

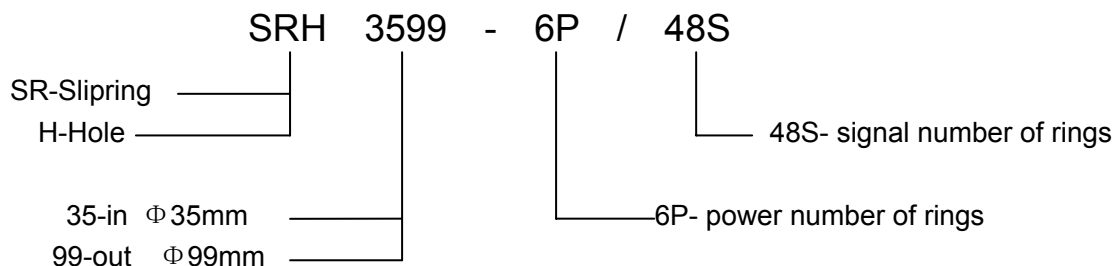
A slip ring are metal rings that provide a continuous electrical connection through brushes on stationary contacts.

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

The SRH3599 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)	Signal (2A)	
SRH3599-6P	54	6	—	6
SRH3599-12S	54	—	12	12
SRH3599-12P	78	12	—	12
SRH3599-6P/12S	78	6	12	18
SRH3599-24S	78	—	24	24

SRH3599-18P	101	18	—	18
SRH3599-12P/12S	101	12	12	24
SRH3599-6P/24S	101	6	24	30
SRH3599-36S	101	—	36	36
SRH3599-24P	126.5	24	—	24
SRH3599-18P/12S	126.5	18	12	30
SRH3599-12P/24S	126.5	12	24	36
SRH3599-6P/36S	126.5	6	36	42
SRH3599-48S	126.5	—	48	48
SRH3599-60S	167	—	60	60
SRH3599-72S	191	—	72	72
SRH3599-84S	215	—	84	84
SRH3599-96S	239	—	96	96
SRH3599-6P/48S	167	6	48	54
SRH3599-12P/48S	191	12	48	60

Electrical data:

Specification	SRH3599-60S, 72S, 84S,96S	SRH3599-6P/48S SRH3599-12P/48S
Lead	Colour coded, silver plated, PTFE insulated lead wires AWG26	Colour coded, silver plated, PTFE insulated lead wires Power: AWG16 Signal: AWG26
Lead length	500mm(other lengths on request)	
Voltage	0-240VAC	Power: 0-600VAC Signal: 0-240VAC
Current	2A	Power: 10A ;Signal: 2A
Dynamic contact Resistance	≤10mΩ	

Mechanical data:

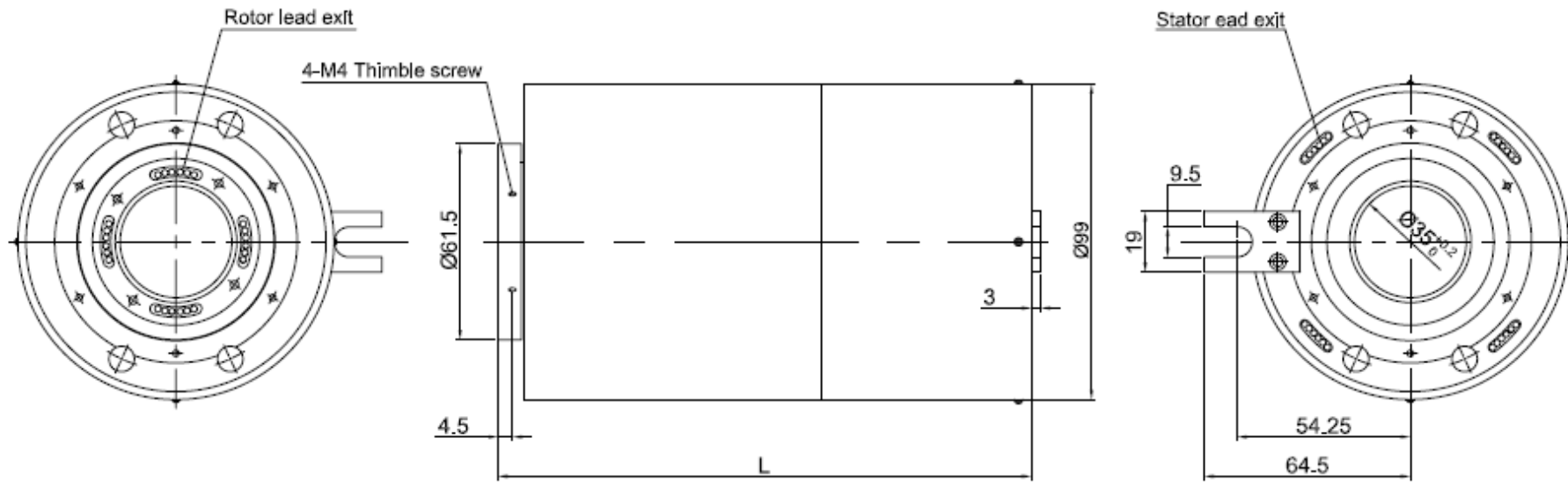
Specification	Unit
Operate Speed	0 - 1000 rpm continuous
Contact material surface	Silver alloy
Bearing	Steel ball bearings
Housing	Engineering plastics
Temperature range	-20°C to 80°C

Address: 1-1,the third jianhua sanjak,gensan east RD,hangzhou310021,P.R.China

Tel: 0086-571-86496781 86496782 86496783

Fax: 0086-571-86496785

SRH3599 Outline dimension



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

2, Rotor and stator leads exit 4 places, 90° apart, 6 power leads (AWG16) or 12 signal (AWG26) leads per exit relative to circuit count.

Color code

SRH3599-60S Color code														
EXIT1	OVERALL SHIELD +RED TUBE	SHIELD +RED TUBE	1	2	3	4	5	6	7	8	9	10	11	12
		SHIELD +BLK TUBE	13	14	15	16	17	18	19	20	21	22	23	24
EXIT2		SHIELD +GRN TUBE	25	26	27	28	29	30	31	32	33	34	35	36
EXIT3		SHIELD +BLU TUBE	37	38	39	40	41	42	43	44	45	46	47	48
EXIT4		SHIELD +RED TUBE	49	50	51	52	53	54	55	56	57	58	59	60
		THE COLORS OF LEADS	RED	YEL	BLK	BLU	GRN	WHT	PUP	GRY	BRN	ORN	DBNU	KHK

SRH3599-72S Color code														
EXIT1	OVERALL SHIELD +RED TUBE	SHIELD +RED TUBE	1	2	3	4	5	6	7	8	9	10	11	12
		SHIELD +BLK TUBE	13	14	15	16	17	18	19	20	21	22	23	24
EXIT2	OVERALL SHIELD + GRN TUBE	SHIELD +GRN TUBE	25	26	27	28	29	30	31	32	33	34	35	36
		SHIELD +BLU TUBE	37	38	39	40	41	42	43	44	45	46	47	48
EXIT3	OVERALL SHIELD + BLK TUBE	SHIELD +RED TUBE	49	50	51	52	53	54	55	56	57	58	59	60
		SHIELD +BLK TUBE	61	62	63	64	65	66	67	68	69	70	71	72
		THE COLORS OF LEADS	RED	YEL	BLK	BLU	GRN	WHT	PUP	GRY	BRN	ORN	DBNU	KHK

SRH3599-84S Color code														
EXIT 1	OVERALL SHIELD +RED TUBE	SHIELD +RED TUBE	1	2	3	4	5	6	7	8	9	10	11	12
		SHIELD +BLK TUBE	13	14	15	16	17	18	19	20	21	22	23	24
EXIT 2	OVERALL SHIELD + BLU TUBE	SHIELD +GRN TUBE	25	26	27	28	29	30	31	32	33	34	35	36
		SHIELD +BLU TUBE	37	38	39	40	41	42	43	44	45	46	47	48
EXIT 3	OVERALL SHIELD + BLK TUBE	SHIELD +BLK TUBE	49	50	51	52	53	54	55	56	57	58	59	60
		SHIELD +RED TUBE	61	62	63	64	65	66	67	68	69	70	71	72
EXIT 4		SHIELD +GRN TUBE	73	74	75	76	77	78	79	80	81	82	83	84
		THE COLORS OF LEADS	RED	YEL	BLK	BLU	GRN	WHT	PUP	GRY	BRN	ORN	DBNU	KHK

SRH3599-96S Color code														
EXIT 1	OVERALL SHIELD +RED TUBE	SHIELD +RED TUBE	1	2	3	4	5	6	7	8	9	10	11	12
		SHIELD +BLK TUBE	13	14	15	16	17	18	19	20	21	22	23	24
EXIT 2	OVERALL SHIELD + GRN TUBE	SHIELD +GRN TUBE	25	26	27	28	29	30	31	32	33	34	35	36
		SHIELD +BLU TUBE	37	38	39	40	41	42	43	44	45	46	47	48
EXIT 3	OVERALL SHIELD + BLK TUBE	SHIELD +RED TUBE	49	50	51	52	53	54	55	56	57	58	59	60
		SHIELD +BLK TUBE	61	62	63	64	65	66	67	68	69	70	71	72
EXIT 4	OVERALL SHIELD + BLU TUBE	SHIELD +GRN TUBE	73	74	75	76	77	78	79	80	81	82	83	84
		SHIELD +BLU TUBE	85	86	87	88	89	90	91	92	93	94	95	96
		THE COLORS OF LEADS	RED	YEL	BLK	BLU	GRN	WHT	PUP	GRY	BRN	ORN	DBNU	KHK

SRH3599-6P/48S Color code														
EXIT 1		SHIELD +RED TUBE	1	2	3	4	5	6						
EXIT 2	OVERALL SHIELD + BLK TUBE	SHIELD +BLK TUBE	7	8	9	10	11	12	13	14	15	16	17	18
		SHIELD +GRN TUBE	19	20	21	22	23	24	25	26	27	28	29	30
EXIT 3	OVERALL SHIELD + BLU TUBE	SHIELD +BLU TUBE	31	32	33	34	35	36	37	38	39	40	41	42
		SHIELD +RED TUBE	43	44	45	46	47	48	49	50	51	52	53	54
		THE COLORS OF LEADS	RED	YEL	BLK	BLU	GRN	WHT	PUP	GRY	BRN	ORN	DBNU	KHK

SRH3599-12P/48S Color code														
EXIT 1		SHIELD +RED TUBE	1	2	3	4	5	6						
EXIT 2		SHIELD +RED TUBE							7	8	9	10	11	12
EXIT 3	OVERALL SHIELD + BLK TUBE	SHIELD +RED TUBE	13	14	15	16	17	18	19	20	21	22	23	24
		SHIELD +BLK TUBE	25	26	27	28	29	30	31	32	33	34	35	36
EXIT 4	OVERALL SHIELD + GRN TUBE	SHIELD +GRN TUBE	37	38	39	40	41	42	43	44	45	46	47	48
		SHIELD +BLU TUBE	49	50	51	52	53	54	55	56	57	58	59	60
		THE COLORS OF LEADS	RED	YEL	BLK	BLU	GRN	WHT	PUP	GRY	BRN	ORN	DBNU	KHK