

# ELECTRIC ROTARY CONNECTOR SLIP RING



# CURRENT COLLECTORS

These revolving systems are used as electric link between the rotatory and the fixed part. More than two systems may be involved, but only at low speed.

Rings are usually made of copper or brass, depending on the application (diameter, power to be transmitted, etc.) Insulation should be at least in accordance with the standards. The machines flexible brushes on brush-holders adapt themselves to the diameter of the ring. Brush-holders have stainless steel springs.

We supply special equipment for signal transmission, with gold-plated and silver plated rings with electrodes submerged in mercury for signal transmission through optical fibres or equipment with preset frequencies between transmitter and receiver.

These assemblies are protected in IP-00, IP-22, IP-44, IP-55 according to the customer's specification. They can be supplied for any capacity and application. As this might sound exaggerated please do not hesitate to send us your inquiry. We have built them for up to 30.000 volts.

## DATA TO BE SUPPLIED:

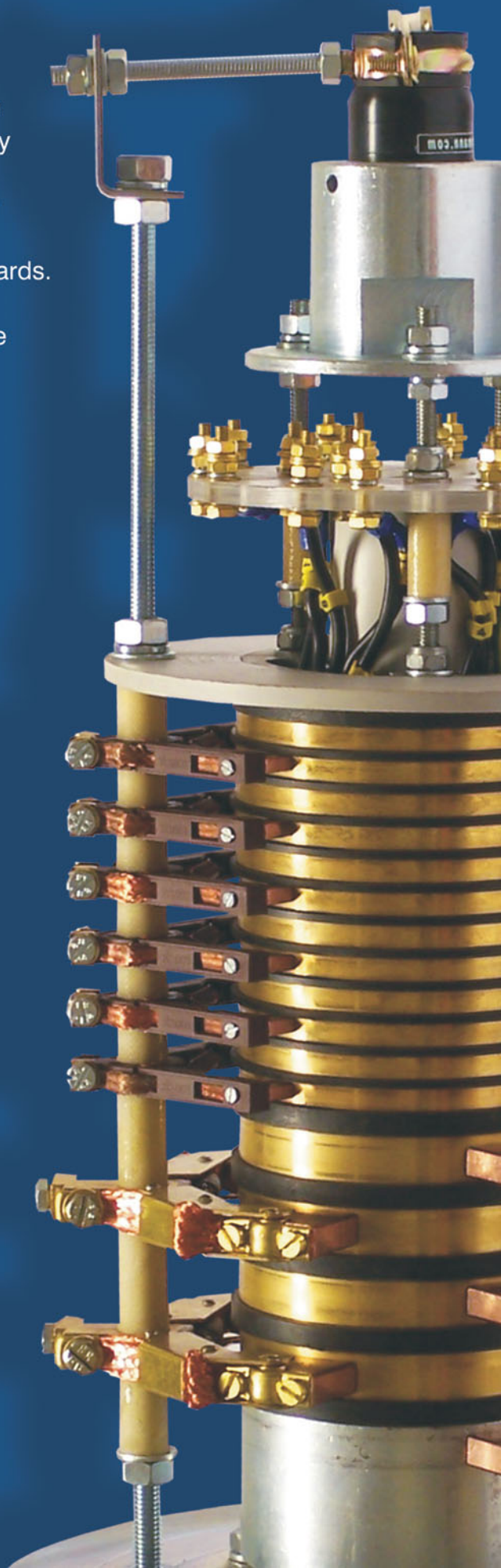
- Number of conductors and amperage, insulation voltage of each group of poles, optical fibres and number of optical fibres. Cross section and diameter of the cable to be connected to each pole.
- If there is any mechanical impediment through the column (tube, structure) give its size.
- Relative velocity of the systems in r.p.m.
- Protection required.
- Treatment of steel surfaces.

## MAIN CONSUMERS:

Large lifting and transport machinery manufacturers, iron and coal mining, coal-fired power stations, ports handling minerals, coal, cereals and containers, large electrical installation firms, iron and steel mills, shipyards.

## STANDARDS:

For current collector installations, it would be advisable to meet the standards VDE 0100-28d, VDE 0110-10 Group C.







**RINGS  
INSULATIONS  
BRUHS HOLDERS**

# EXCELLENT PERFORMANCE FOR THE APPLICATION

- PACKAGE MACHINE
- ROTARY TABLE
- HEATING ROLLER
- ROBOTS
- SEMI-CONDUCTOR MACHINE
- ANY ROTARY DEVICE CONNECT WITH SIGNAL LIKE VISUAL, THERMAL COUPLE, STRAIN GAUGES



## ELECTRIC ROTARY CONNECTOR WITH QUICKSILVER OR INFINITE TURNS ROTARY UNIONS FOR FIBRE OPTIC

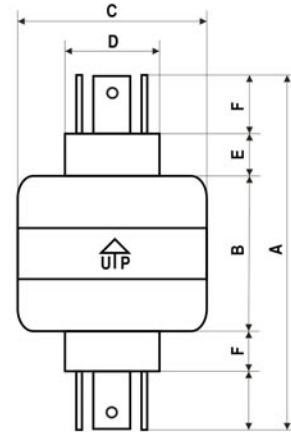
VERY LOW ELECTRIC NOISE

VERY LOW CONTACT RESISTANCE (LESS THAN 1 MINI OHM)

VERY LOW PRICE THAN BRUSH SLIP RING



# ROTARING ELECTRICAL CONNECTOR QUICKSILVER



MODEL	A	B	C	D	E	F
2HG2	46,2	27,9	25,3	12,6	9,5	9,5
3HG1	46,2	27,9	25,3	12,6	9,5	9,5
3HG3	46,2	27,9	31,6	15,8	9,5	9,5
4HG	46,2	27,9	31,6	18,8	9,5	9,5
6HG	46,7	29	39,9	22,1	9,5	9,5
8HG	46,7	29	39,9	28,5	9,5	9,5
12HG*	48,2	29	56	44	9,4	9,8

\* HOLLOW TIPE ID =15∅

MODEL	CONDUCTOR POLES	CURRENT. AMP	VLTAGE DC/DC V	MAX. FREQ. MHZ	MAX. RPM	OPERATING TEMP. MAX/MIN °C	ROTATING TORQUE (gm-cm)	INSULATION RESISTANCE
1HG1	1	10	-	200	3600	60/-10	35	-
1HG1T	1	10	-	200	3600	60/-10	35	-
1HG2	1	20	-	200	2000	60/-5	35	-
2HG2S	2	4	500	200	2000	60/5	75	>25MΩ
3HG3S	3	4	500	200	1800	60/5	100	>25MΩ
2HG2	2	30	500	200	1800	60/-10	200	>25MΩ
3HG1	3	4/30	500	100	1800	60/-10	200	>25MΩ
3HG3	3	30	500	100	1200	60/-10	300	>25MΩ
4HG	4	4/30	500	100	1200	60/-10	400	>25MΩ
6HG	6	30	500	100	300	60/-10	700	>25MΩ
8HG	8	30	500	100	200	60/-10	1000	>25MΩ
1HG1H	1	250	-	200	1200	60/-10	250	>25MΩ
1HG25S	1	250	-	200	1200	60/-10	400	-
1HG25S	1	250	-	200	1200	60/-10	400	-
8HG3015*	8	30	300	100	200	40/10	2500	>25MΩ
12HG*	12	30	300	100	200	40/10	2500	>25MΩ

\* HOLLOW TIPE ID =15∅

For FIBRE OPTIC send and enquiry

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## auxema-stemmann

Est. 1969

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