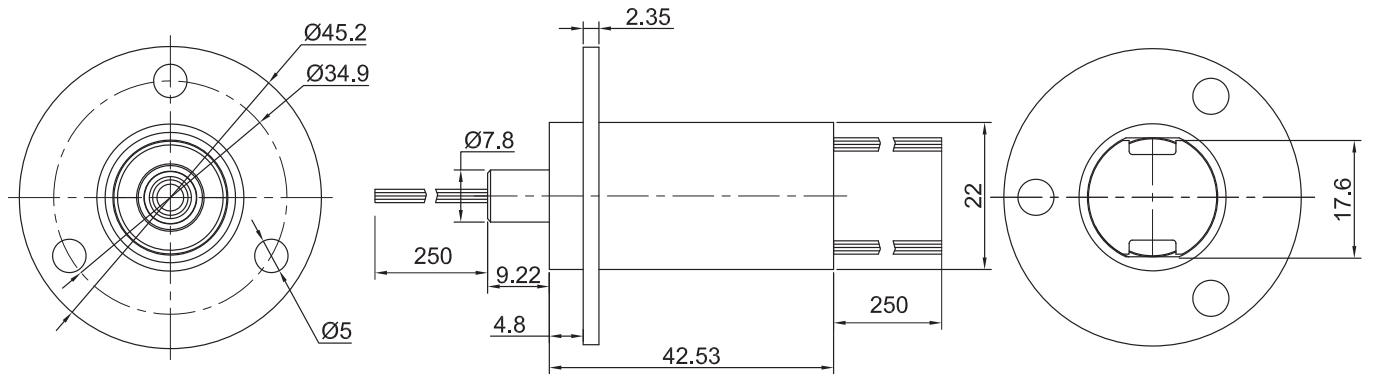


24 Rings at 240V / 2A  
22mm housing diameter

- For analog and digital signal transmission
- Gold to Gold contacts
- Precision ball bearings
- Metal housing with flange
- Low current noise



all dimensions in mm

### ELECTRICAL CHARACTERISTICS

Number of rings	24
Voltage	240 VAC/DC
Current	2A per ring
Dielectric strength	500 VAC (60 Hz) ring to ring
Insulation resistance	1000 MΩ at 500 VDC
Noise	≥20 mΩ
Protection	IP54

### MATERIAL

Stator	Alumina
Rotor	Thermoset plastic
Contacts	Gold to Gold
Connecting	AWG28, copper, silver plated wire, Teflon™ covered

### MECHANICAL CHARACTERISTICS

Mechanical angle of rotation	360° continuous
Rotating speed	250 rpm
Rotational life (rotor movements)	< 60.000.000*
Bearing type	precision ball bearings
Operating temperature (°C)	-40°C to +85°C

\*application dependent

**Description:** Sliprings are used in electrical - mechanical systems where a uninterrupted current or signal transmission from a static to an rotating object has to be to proceed. The encapsulated sliprings are integrated into a metal housing, this avoids the influence of interferences. Special wipers are sliding on a track, wiper and track are formed to fit perfectly into each other. This construction enlarges the contact surface, reduces current noises and improves the life time performances.

**Application:** Robotics, Rotative sensors, Aviation, Military, Medical equipment, Measurement and testing devices, Rotary indexing table, Video systems.

### COLOR CODING FOR WIRES

Color	Ring	Color	Ring
Black	Ring 1	Black	Ring 13
Brown	Ring 2	Brown	Ring 14
Red	Ring 3	Red	Ring 15
Orange	Ring 4	Orange	Ring 16
Yellow	Ring 5	Yellow	Ring 17
Green	Ring 6	Green	Ring 18
Blue	Ring 7	Blue	Ring 19
Purple	Ring 8	Purple	Ring 20
Grey	Ring 9	Grey	Ring 21
White	Ring 10	White	Ring 22
Pink	Ring 11	Pink	Ring 23
Light blue	Ring 12	Light blue	Ring 24

### OPTIONS ON REQUEST

Special rings for 5 or 10A
Mechanical adapter
Coax- or databus wiring
Other lengths of the wires
Connector

### ORDERING INFORMATION

CA24X4AL

Type

Detailed information: [www.megauto.de/slipring](http://www.megauto.de/slipring)

length of the wire 500mm

Options

Please note: The specification and information in this datasheet cannot consider all special demands that are caused by the application. Because of this, they are no general description of the properties of the product. Megatron does not assume any responsibility for damages due to improper application of our products. The user has to ensure by its own, that the products used are suitable for this application. Megatron does not warrant the reproducibility of published applications.