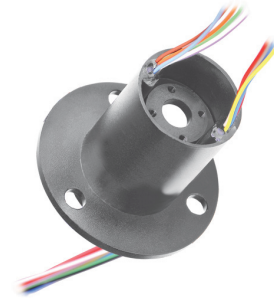
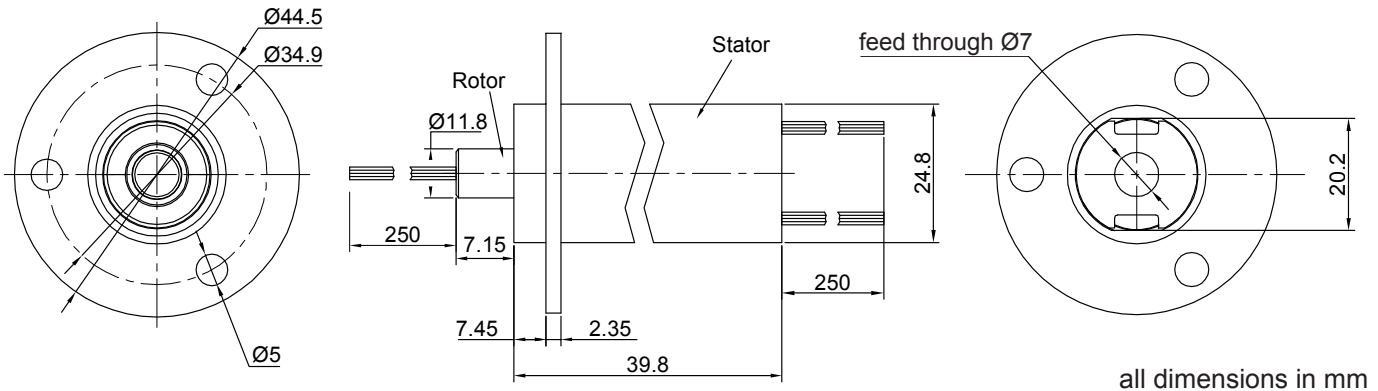


12 Rings at 240V / 2A  
25mm housing diameter

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



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.



all dimensions in mm

**ELECTRICAL CHARACTERISTICS**

|                       |                              |
|-----------------------|------------------------------|
| Number of rings       | 12                           |
| Voltage               | 240 VAC/DC                   |
| Current               | 2A per ring                  |
| Dielectric strength   | 500 VAC (60 Hz) ring to ring |
| Insulation resistance | 100 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                    | 200 rpm                 |
| Rotational life (rotor movements) | < 60.000.000*           |
| Bearing type                      | precision ball bearings |
| Operating temperature (°C)        | -40°C to +85°C          |
| *application dependent            |                         |

**COLOR CODING FOR WIRES**

|            |         |
|------------|---------|
| Color      | Ring    |
| Black      | Ring 1  |
| Brown      | Ring 2  |
| Red        | Ring 3  |
| Orange     | Ring 4  |
| Yellow     | Ring 5  |
| Green      | Ring 6  |
| Blue       | Ring 7  |
| Purple     | Ring 8  |
| Grey       | Ring 9  |
| White      | Ring 10 |
| Pink       | Ring 11 |
| Light blue | Ring 12 |

**Description:** The 7mm axial feed-through opens new fields of applications for the use of industrial slip rings. Shafts with diameters smaller than 7mm can be leaded through the feed-through as well as thin tubes and wires. 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.

**OPTIONS ON REQUEST**

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

**ORDERING INFORMATION**

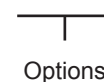
CA12X4HAL



Type

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

length of the wire 500mm



Options