

Through Hole Slip Ring with Flange Mount

Through hole slip rings feature a through bore and are designed for flange mounting on a sleeve bracket. They facilitate continuous transmission of power and signal during 360-degree unrestrained rotations.



Product Overview

Through-Hole Slip Ring Solution

This Through-Hole Slip Ring with flange mount is a high-performance rotary interface designed for seamless 360-degree continuous transmission of power and signal. Featuring a robust modular design, it is engineered for low wear and long service life in diverse industrial environments. With extensive customization options for electrical circuits, dimensions, and protection ratings, it is the ideal component for demanding robotics, radar, and precision machinery applications.

Technical Performance

Key Performance Metrics

500 RPM

Max Rotation Speed

380 VAC/DC

Voltage Rating

15 A

Max Current Rating

Environmental Ratings

IP54 or higher, -20°C to +60°C, 60% RH or higher

Dimensions and Configuration

Available Models

Model	Inner Diameter (mm)	Outer Diameter (mm)
THR-012T	12.7	56
THR-025T	25.4	86
THR-038T	38.1	99
THR-050T	50	119
THR-060T	60	135
THR-080T	80	160
THR-096T	96	185
THR-150T	150	250
THR-190T	190	320

Construction

Electrical Properties

- Circuits: 1-24
- Contact Materials: Precious metal
- Dielectric Strength: e1000VAC@50Hz
- Insulation Resistance: 1000M Ω @500DC
- Electrical Noise: 1m Ω Min

Housing and Wiring

- Housing Material: Aluminum alloy
- Lead Wire Type: AWG22/17/14 Teflon UL
- Standard Wire Length: 300mm
- Torque: d9.25 gm

Applications

Suitable Applications

Radar, Robotics, Medical Equipment, Military Equipment, Wind Turbines, Packaging Machinery