

12.75" Diameter Electrical Slip Ring

Model 129

Focal Technologies Corporation, a Moog Inc. company, has over 30 years of expertise in supplying standard and custom marine products for harsh environments and is a leading manufacturer of high performance and high quality electrical slip rings. Contact Focal for assistance in selecting the best solution for your requirement.



The Model 129 is a power slip ring used in marine and industrial applications worldwide. When rugged environments demand reliable, continuous operating performance, the model 129 is the slip ring of choice. Capable of transmitting up to 7200 volts and 125 amps per slip ring pass, the 129 can reliably transfer power across a rotating interface.

Features

- Stainless steel housing provided for rugged environments
- Hazardous area certification available
- Power and signal transfer integrated into a single unit

Benefits

- Each unit designed, manufactured, and tested in accordance with the highest quality standards
- Maintenance free operation
- Proven reliable, long life performance
- Integration with fiber optic rotary joints and fluid rotary unions to provide a complete rotating interface solution

Applications

- Industrial machinery
- FPSO swivel stacks
- Trenchers
- Subsea Mooring
- Plows

Specifications

Electrical Power Performance	
Voltage	Maximum 7200 VAC
Current	Maximum 125 A per pass, wire in parallel for higher current
Contact Resistance	20 mΩ nominal
Insulation Resistance	Minimum 500 MΩ @ 1 kVDC, dependent on wire type
Short Circuit Rating	11kA / 1s, 17 kA peak
Electrical Signal Performance	
Contact Resistance	20 mΩ nominal
Insulation Resistance	Minimum 500 MΩ @ 1 kVDC Minimum 100 MΩ for shielded passes
Signal Types	Analog Video, CanBus, Profibus, Device Net, 10 Base-T Ethernet, SHDSL, RS-485
Mechanical	
Rotation Speed	Maximum 50 rpm continuous, contact factory for higher speeds
Protection Class	Sealed to IP66, except for pigtail exits
Operating Temperature	-20 °C to + 55 °C
Housing	Stainless steel (304)
Length "L"	Varies with number of electrical passes

Terminations	
Standard	Loose wire pigtails, 10 ft [3.0m]
Flange and Cable Covers	Various entry types available
Cabled Pigtails	Tinned copper braid and heat shrink installed over loose wire pigtails
Special	Supply and installation of connectors, terminals, conduits, cable glands, junction boxes
Options	
Fiber Optics	Fiber Optic Rotary Joint (FORJ) or Optical Converter
Fluid	Fluid Rotary Union (FRU)
Design Certification	ABS, DNV GL, BV, LRS, Hazloc
Submersed Applications	Fluid fill fittings or fluid filled/pressure compensated at factory
Other Devices	RF Rotary Joint, Shaft Encoder, Sensors, Heater or Heat Trace Cable, Integration of customer supplied product possible
Ingress Protection	IP68

Please contact factory with your application details

