

Endura-Trac™ Plus W Series

The Endura-Trac™ Series of slip ring assemblies were developed for a wide variety of applications and environments. The flexible design and through bore capability of up to 9 inches, along with many other options make it ideal for a designer to incorporate into new and retrofit applications. Modular construction allows a range of signal and power combinations with power circuits up to 30 amps and signal circuits up to 5 amps. These slip ring assemblies are a quick turn solution for your application. Off the shelf components allow for a delivery which meets your needs. The Plus W Series is DeviceNet and ControlNet capable.

TYPICAL USES

- PACKAGING MACHINES
- INDEX TABLES
- PAPER AND FILM CONVERTING
- ROTARY MACHINES
- MACHINE TOOLS
- AUTOMATION EQUIPMENT
- MEDICAL EQUIPMENT
- SURVEILLANCE EQUIPMENT
- INSPECTION EQUIPMENT



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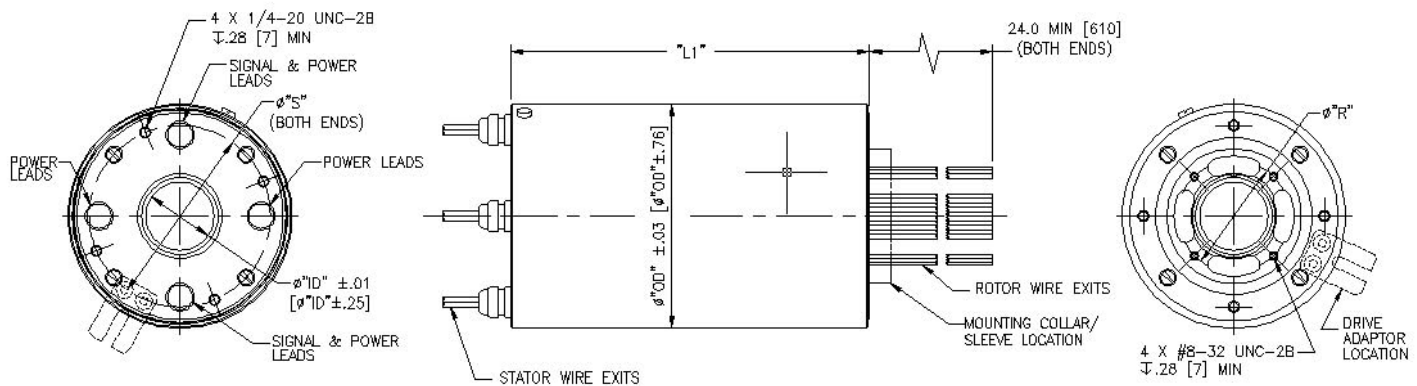
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MOOG
COMPONENTS GROUP

MARINE & ENERGY | INDUSTRIAL | AEROSPACE & DEFENSE

Endura-Trac™ Plus W Series



NOTE: ALL DIMENSIONS ARE IN INCHES [MILLIMETERS]

Number of power rings (multiples of 2)	Number of signal rings (multiples of 4)										
	0	4	8	12	16	20	24	28	32	36	40
0	•	•	•	•	•	•	•	•	•	•	•
2	•	•	•	•	•	•	•	•	•	•	•
4	•	•	•	•	•	•	•	•	•	•	•
6	•	•	•	•	•	•	•	•	•	•	•
8	•	•	•	•	•	•	•	•	•	•	•
10	•	•	•	•	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•	•	•	•	•
14	•	•	•	•	•	•	•	•	•	•	•
16	•	•	•	•	•	•	•	•	•	•	•
18	•	•	•	•	•	•	•	•	•	•	•
20	•	•	•	•	•	•	•	•	•	•	•

POWER CIRCUITS

Up to 24 power circuits:
30 A/600 volts

SIGNAL CIRCUITS

Up to 100 signal circuits:
5 A/250 volts

DIELECTRIC STRENGTH

1000 volts 50Hz for 10 seconds

INSULATION RESISTANCE

>200MΩ at 1000 volts DC

TEMPERATURE RANGE

-20°C to +90°C

MAXIMUM SPEED

1000 RPM

TERMINALS

Power Circuits - 12 AWG flying leads

Signal Circuits - 20 AWG flying leads

MOUNTING

Shaft mounting

BORE SIZE	ID (ACTUAL)	OD	"L1"	S	R
1.00 [25.4]	1.02 [25.91]	4.50 [114.30]	.2(XX) + .4(Y Y) + 1.55	3.533 [89.74]	1.396 [35.46]
1.5" [38.1]	1.52 [38.61]	5.00 [127.00]	.2(XX) + .4(Y Y) + 1.63	4.033 [102.44]	1.896 [48.16]
3.0" [76.2]	3.02 [76.71]	6.50 [165.10]	.2(XX) + .4(Y Y) + 1.52	5.488 [139.40]	3.396 [86.26]
4.0" [101.6]	4.02 [102.11]	7.50 [190.50]	.2(XX) + .4(Y Y) + 1.38	6.500 [165.10]	4.396 [111.66]
6.0" [152.40]	6.02 [152.91]	9.50 [241.30]	.2(XX) + .4(Y Y) + 1.39	8.332 [211.63]	6.646 [168.81]
9.0 [228.60]	9.02 [229.11]	12.50 [317.50]	.2(XX) + .4(Y Y) + 1.63	11.500 [292.10]	9.858 [250.39]

Note: For "Sealed Unit" add .75 [19.05] for length.

To determine length of overall unit, use the following formulas or contact us for assistance.

xx = Total number of signal rings

yy = Total number of power rings

$$L1 = .2(xx) + .4(yy) + .1.63$$

OPTIONS

Bore sizes other than nominal

Open frame

Drive adaptor for stator de-rotation

Longer lead lengths

Special wiring or harness requirements (coaxial, twinaxial and triaxial cable, thermocouple)

Sealed cover kit

High voltage option to 3000 V

Various power and signal

Manufactured in an ISO 9001-2000 registered facility.

10/05