

# IEL-BXU

PART NO. C-1937



## STANDARD SPECIFICATIONS

<b>Operating Current</b>	7.5 amps per ring
<b>Operating Voltage</b>	1,000 VRMS
<b>Electrical Noise</b>	5micro V, P-P, BW = 10Hz - 10kHz at 8.5 mA, 500 rpm
<b>Leakage Resistance</b>	10,000 MOhms (min)
<b>Temperature Range</b>	-30°F to 175°F
<b>Encasement</b>	Passivated stainless steel, splash proof construction
<b>Ring Material</b>	Solid coin silver
<b>Brush Springs</b>	Beryllium copper
<b>Brush Contacts</b>	Four 80% silver - 20% graphite contacts per ring
<b>Brush Case</b>	Two piece, creep path grooved
<b>Insulation</b>	Teflon and delrin
<b>Sealing</b>	O-rings, double shaft seal
<b>Connectors</b>	Gold plated Bendix miniature cylindrical type connectors

## OPTIONS

<b>Current</b>	Up to 20 amps per ring
<b>Voltage</b>	Up to 6,000 VDC
<b>Bandwidth</b>	DC to 250 MHz
<b>Temperature</b>	Up to 250°F
<ul style="list-style-type: none"><li>• Coax, twisted pair, or thermocouple wire</li><li>• Subsea applications</li><li>• Mounting flange to customer specifications</li><li>• Oil filled</li><li>• Longer leads than the standard 3 ft length</li></ul>	

## Sample Applications Include:

- Oceanographic Instrumentation
- Oil Well Logging
- Food Processing
- Packaging Machines
- Coil Tubing Reels

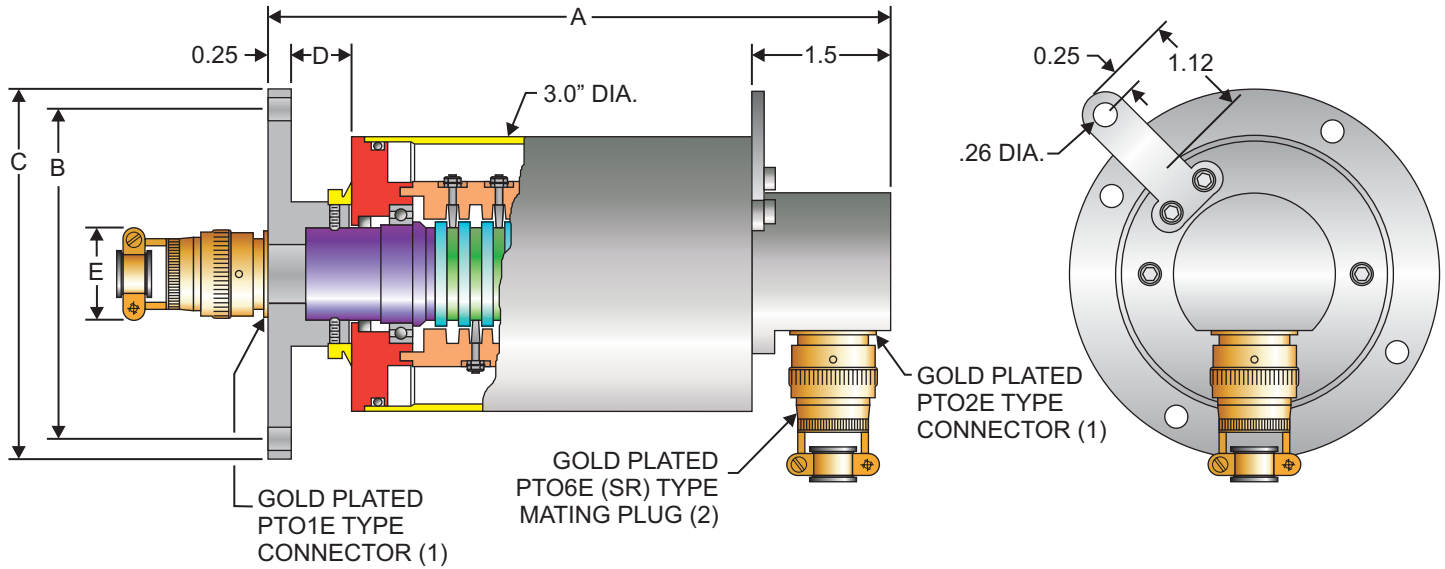
Our **IEL-BXU** model is designed and manufactured to withstand the harsh salt water environment found in oceanographic applications. The passivated stainless steel encasement, gold plated connector shells and double sealed shaft give this assembly optimum resistance against corrosion.

The **IEL-BXU** (2 to 44 rings) mounts cantilevered at the end of the shaft using a 2" or 4" mounting flange. However, it can be easily modified to mount inside hoist shaft.



PART NO. C-1937-32

# IEL-BXU



## IEL-BXU SERIES with Connectors

RINGS	PART NO.	MODEL	A	B	C	D	*E <sub>c</sub>
2	C-1937-02	IEL-BXU-02	4.83	1.562	2.00	.75	1.00
4	C-1937-04	IEL-BXU-04	5.33	1.562	2.00	.75	1.00
6	C-1937-06	IEL-BXU-06	5.83	1.562	2.00	.75	1.10
8	C-1937-08	IEL-BXU-08	6.23	3.562	4.00	.65	1.18
10	C-1937-10	IEL-BXU-10	6.73	3.562	4.00	.65	1.18
12	C-1937-12	IEL-BXU-12	7.23	3.562	4.00	.65	1.28
14	C-1937-14	IEL-BXU-14	7.73	3.562	4.00	.65	1.28
16	C-1937-16	IEL-BXU-16	8.23	3.562	4.00	.65	1.28
18	C-1937-18	IEL-BXU-18	8.73	3.562	4.00	.65	1.38
20	C-1937-20	IEL-BXU-20	9.23	3.562	4.00	.65	1.38
22	C-1937-22	IEL-BXU-22	9.73	3.562	4.00	.65	1.38
24	C-1937-24	IEL-BXU-24	10.23	3.562	4.00	.65	1.38

\*E<sub>c</sub> = Bendix type connector dimension

## IEL-BXU SERIES with 3ft long leads (20 AWG)

RINGS	PART NO.	MODEL	A	B	C	D	*E <sub>L</sub>
26	C-1937-26	IEL-BXU-26	10.23	3.562	4.00	.65	1.06
28	C-1937-28	IEL-BXU-28	10.23	3.562	4.00	.65	1.06
30	C-1937-30	IEL-BXU-30	10.23	3.562	4.00	.65	1.06
32	C-1937-32	IEL-BXU-32	10.23	3.562	4.00	.65	1.06
34	C-1937-34	IEL-BXU-34	11.36	3.562	4.00	.65	1.06
36	C-1937-36	IEL-BXU-36	11.36	3.562	4.00	.65	1.06
38	C-1937-38	IEL-BXU-38	11.36	3.562	4.00	.65	1.06
40	C-1937-40	IEL-BXU-40	12.48	3.562	4.00	.65	1.06
42	C-1937-42	IEL-BXU-42	12.48	3.562	4.00	.65	1.06
44	C-1937-44	IEL-BXU-44	12.48	3.562	4.00	.65	1.06

\*E<sub>L</sub> = Strain relief cord connector dimension

NOTE: Dimensions shown are intended, except manufacturing tolerances will apply.