Ground Verification Clamp and Cable Unit
For use with Sculcon Junction Box, Model SC-47CC/CLMP

Featuring Dynacheck® – Automatic and Continuous Self-Checking Circuitry

DESCRIPTION

The Scully SC-47CC/CLMP Clamp and Cable Unit is designed to drain static charges built up on vehicles, railcars and other metal liquid tank containers. The clamp unit is designed to be connected, via two wires, to the Scully GroundhogTM grounding verification system. When the clamp is attached to bare metal on the tank container, the system utilizes an intrinsically safe signal to verify that a proper static bond exists during liquid transfer operations.*

Static grounding is used to dissipate any static charges which can build up as a result of product flow or other movement. Some applications such as rail lines and pipelines may also have stray currents present. In these situations the rail or pipeline must be bonded to ground independently from the Scully system. Local codes should be consulted regarding wire gauges and number of conductors.

FEATURES AND BENEFITS

- Verification of static grounding when properly connected to the trailer frame.
- Intrinsically safe operation.
- Spring-loaded clamp jaws with adjustable contact pins for a solid bond to the trailer frame.
- Heavy-duty, weather-sealed aluminum junction box to house cable wiring.
- The clamp and cable disconnects from the junction box during a drive-away accident, preventing damage to the control monitor and maintaining intrinsic safety.

*WARNING

When used in conjunction with a Scully Groundhog, the clamp provides a resistance (non self-proving) verification system. Thus, attaching the clamp to a metallic object or to a vehicle, which already has a return path to ground, could give a permissive indication through this alternate path, which may not include the vehicle. To ensure self proving operation, the vehicle must be equipped with a Groundbolt or Ground-ball.
**TECHNICAL SPECIFICATIONS**

**Junction Box:**
Weather-sealed die-cast aluminum box. Stainless steel external hardware.

**Clamp:**
Aluminum alloy, corrosion resistant. Stainless steel contact points.

**Cable:**
Oil resistant, Philaprene 2-Jacketed
- Coiled: 32' (extended) (10 meter)
- Straight: 20' (6 meter)

**Cable Strain Relief:** Stainless Steel

**Clamp Strain Relief:** Stainless Steel

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**ORDERING INFORMATION**

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<tr>
<th>Description</th>
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<tr>
<td>SC-47CC/CLMP Clamp and 32' Coiled Cable</td>
<td>08815</td>
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<tr>
<td>SC-47/CLMP Sculcon Junction Box, Clamp and 20' Straight Cable</td>
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**REPLACEMENT PARTS**

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<tr>
<td>Terminal Strip, 12-position</td>
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<td>Strain Relief, 38&quot; – for Grounding Cable</td>
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<td>Clamp and Cable Assembly, 32' Coiled Cable</td>
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<td>Replacement Clamp</td>
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<td>Sculcon Box Assy, General Purpose</td>
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Dynamic Self-Testing® Overfill Prevention Systems