

## **Frequently asked questions - Solico Sealed Buss Bars**

### **What connectors are used to plug into the sealed buss bar?**

All standard Sealed Buss Bars plug into the following connectors

- a) Deutsch® DT06-12SA
- b) Amphenol® AT06-12SA
- c) TE Connectivity® 934456212 formerly Molex® ML-XT

For specialty Sealed Buss Bars see product information page.

### **How much current can the Sealed Buss Bars handle?**

Single connector units are rated for 150 Amps to 200 Amps and all dual connector units are rated for 300 Amps. Each contact is rated for 13A continuous.

### **What type of screws should be used to secure the Sealed Buss Bars?**

Any #10 Pan head screw will work. We do not recommend using flat or oval head screw styles.

### **What size nut should be used on the stud(s)?**

We supply 5/16-18 Stainless Serrated Flange Nuts with each stud. No additional hardware is required, but any 5/16-18 Stainless Steel nut is appropriate.

### **What sealing rating does the Sealed Buss Bars have?**

IP67 – Dust Tight and Water Resistant to 1 meter. With addition of boots to the connectors that plug into the Sealed Buss Bars IP68 is achievable.

### **What Size wires can go into the connectors?**

The connectors that plug into the Sealed Buss Bar are rated for 18 American Wire Gauge (AWG) through to 14 AWG. The SBB-SHP also has 2 positions rated for 14 AWG through 10 AWG.

### **How do you connect larger wire to the Sealed Buss Bars?**

The 5/16 studs are able to accept a standard ring terminal crimped on the end of the cable up through 4/0 (0000) wire size. Always use an appropriate size wire for the maximum possible current being applied to the buss bar.

### **What is the torque specification for the nut on the stud?**

132 in.lb. or 14.9 Nm

### **How many wires can be attached to the studs?**

We recommend no more than 4 wires per stud.

### **How much voltage can be applied to the Sealed Buss Bars?**

All Sealed Buss Bars are rated for up to 48V DC.

**For Sealed Buss Bars with multiple studs, are they connected internally?**

All SBB-24 and SBC-24 series all contacts and studs are connected internally. The SBB2-12 and SBC2-12 are internally isolated in which the stud behind each connector is bonded to the connector.

**What is the internal connection in the Sealed Buss Bars?**

We use C1100 Electrolytic Copper.

**Can you use the Sealed Buss Bars for power circuits?**

Yes, proper circuit protection on the smaller wires must be used to prevent short circuits and other hazards.

**Do you offer custom colors?**

Yes, the base material can be colored, but minimum will apply.

**Do you have 3d CAD files available?**

Yes, please contact us at [suzanne@solico.com](mailto:suzanne@solico.com) for the files. STP is the most common format, but others available on request.

**Do you sell the connectors that plug into the Sealed Buss Bars?**

No, we only supply the Sealed Buss Bars. The connectors are available through our retail partners as well as many other sources.

**Where are the Sealed Buss Bars made?**

We proudly make all of our products in the USA.

**What is the US content for the Sealed Buss Bars?**

We use up to 98.6% US content.