

# Power Distribution Bus



# Power Bus 3 Power Distribution Bus

**Materials**  
**Module Body:**  
 Polyetherimide  
 per ASTM-D5205  
**Color:**  
 Gray  
**Socket Contact Retainers:**  
 Beryllium Copper  
**Bus Bar and Pin Contacts:**  
 Copper, Nickel Plated per  
 SAE-AMS-QQ-N-29C, Class I  
**Marking:**  
 High Temperature epoxy ink  
 (Colors Optional)

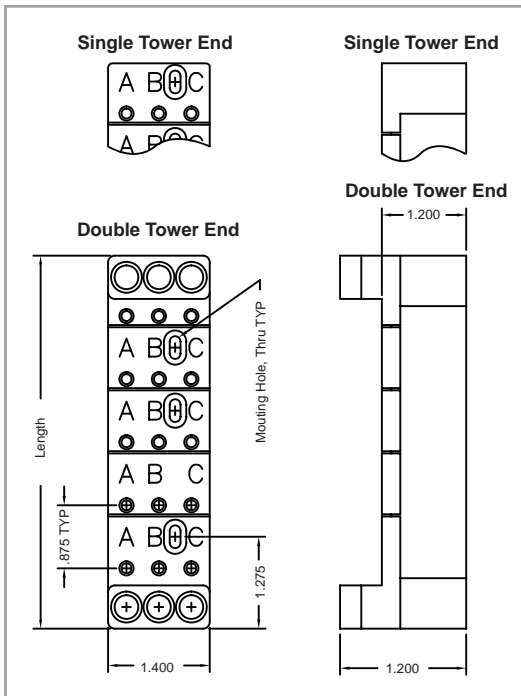
**Operating Range**  
**Temperature:**  
 -55°C to 80°C  
**Voltage:**  
 1000 Volts AC RMS Max  
**Current:**  
 73 Amps Max  
**Vibration:**  
 MIL-STD-202, Method 204,  
 Test Condition D  
**Shock:**  
 MIL-STD-202, Method 213,  
 Test Condition K  
 Fluid

**Operating Range (cont.)**  
**Thermal Shock:**  
 MIL-STD-202, Method 107,  
 Test Condition B  
**Salt Spray:**  
 MIL-STD-202, Method 101,  
 Test Condition B  
**Humidity:**  
 MIL-STD-202, Method 106  
 (No Vibration Step 7B)  
**Contact Retention:**  
 16 ga. Contact = 30 lbs Min.  
 8 ga. Contact = 55 lbs Min.  
**Fluid Immersion:**  
 Materials and Marking Shall Be  
 Resistant to Skydrol LD-4 and  
 MIL-H-83282 Hydraulic

## Product Description

Power Bus 3 is a lightweight, compact and fully enclosed 3-phase, 73 amp, 1000 VAC power distribution bus for aircraft and other applications. The unique Power Bus 3 provides significant advantages in terms of size and weight reduction and strength increases over existing power bus devices. The construction features a rigid extruded polyetherimide channel that contains and isolates the three bus phases in individual chambers. Stackable modular sections are welded ultrasonically to the extrusion to build the Power bus 3 to any desired length.

## Power Bus Dimensions



## Amphenol Pcd Power Bus

### Single Tower End

Output Sets	APCD P/N	Length
5	SSM300105	4.300
6	SSM300106	5.175
7	SSM300107	6.050
9	SSM300108	6.925
9	SSM300109	7.800
10	SSM300110	8.675
11	SSM300111	9.550
12	SSM300112	10.425
13	SSM300113	11.300
14	SSM300114	12.175
15	SSM300115	13.050
16	SSM300116	13.925
17	SSM300117	14.800
18	SSM300118	15.675
19	SSM300119	16.550
20	SSM300120	17.425
21	SSM300121	18.300
22	SSM300122	19.175
23	SSM300123	20.050
24	SSM300124	20.925
25	SSM300125	21.800
26	SSM300126	22.675
27	SSM300127	23.550
28	SSM300128	24.425
29	SSM300129	25.300
30	SSM300130	26.175
31	SSM300131	27.050
32	SSM300132	27.925
33	SSM300133	28.800
34	SSM300134	29.675
35	SSM300135	30.550
36	SSM300136	31.425

### Double Tower End

Output Sets	APCD P/N	Length
5	SSM300205	5.175
6	SSM300206	6.050
7	SSM300207	6.925
9	SSM300208	7.800
9	SSM300209	8.675
10	SSM300210	9.550
11	SSM300211	10.425
12	SSM300212	11.300
13	SSM300213	12.175
14	SSM300214	13.050
15	SSM300215	13.925
16	SSM300216	14.800
17	SSM300217	15.675
18	SSM300218	16.550
19	SSM300219	17.425
20	SSM300220	18.300
21	SSM300221	1*9.175
22	SSM300222	20.050
23	SSM300223	20.925
24	SSM300224	21.800
25	SSM300225	22.675
26	SSM300226	23.550
27	SSM300227	24.425
28	SSM300228	25.300
29	SSM300229	26.175
30	SSM300230	27.050
31	SSM300231	27.925
32	SSM300232	28.800
33	SSM300233	29.675
34	SSM300234	30.550
35	SSM300235	31.425
36	SSM300236	32.300