

973-001 SuperNine Series III PowerPlay Triple-Start G6 Plug

SUPERNINE SERIES III POWERPLAY TRIPLE-START



MATERIAL/FINISH

- Housing and coupling ring per How to Order Table
- Seal/grommet: silicone blend
- Contacts: copper alloy / gold
- Insulator: High-Temp composite

NOTES

- 973-001 mates with 973-001 of the same size layout, polarization and opposite gender. Plugs are designed to also mate with 973-002, 973-003, 973-005, and 973-006.
- Standard mounting cutouts and accessory threads / teeth per MIL-DTL-38999 Series III.
- Electrical Performance:
 - DWV: 5000 VAC pin-pin and pin-shell (sea level)
 - Insulation resistance: 5000 megohm min at 500 VDC

POLARIZATION KEYS AND KEYWAYS

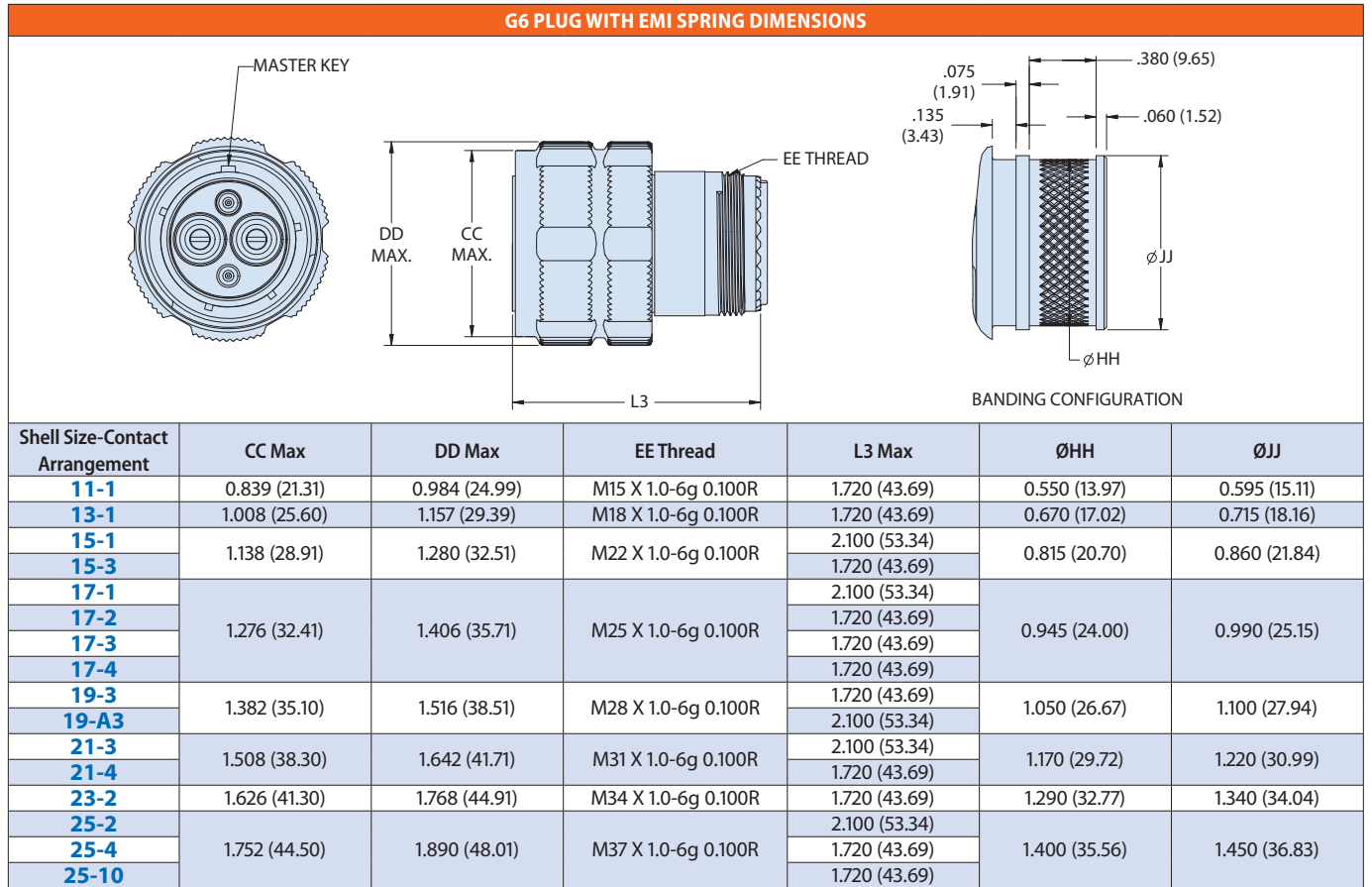
Shell Size	Polarization Code	Minor Key/Keyway Rotation			
		A°	B°	C°	D°
11	N	95	141	208	236
	A	113	156	182	292
	B	90	145	195	252
	C	53	156	220	255
	D	119	146	176	298
15	E	51	141	184	242
	F	77	141	220	273
	G	66	156	176	236
	N	80	142	196	293
	A	135	170	200	310
17	B	49	169	200	244
21	C	66	140	200	257
23	D	62	145	180	280
25	E	79	153	197	272
	F	95	150	180	235
	G	115	157	185	270

HOW TO ORDER						
Sample Part Number	973-001	-	G6	ME	13-1	P N
Basic Part Number	973-001 SuperNine PowerPlay Connector					
Rear Accessory Option	- = Accessory Thread and Teeth B = Banding Porch with Shrink Boot Groove					
Connector Style	G6 = Plug With EMI Spring					
Connector Material / Finish	NF = Aluminum, CAD/O.D. Over Electroless Nickel MT = Aluminum, Nickel-PTFE ME = Aluminum, Electroless Nickel TZ = Aluminum, Tin Zinc Z1 = Stainless Steel, Passivate					
Size and Layout	See Shell Size / Contact Arrangements Table					
Contact Style	See Contact Style Table					
Polarization	A, B, C, D, E, F, G, N (see Polarization Keys and Keyways table)					

SHELL SIZE / CONTACT ARRANGEMENTS (FACE OF PIN INSERT)					
11-1 • 1X #8	13-1 • 1X #4	15-1 • 1X #2	17-1 • 1X #1/0	17-2 • 2X #8	17-4 • 2X #8 and 2X #20
19-3 • 3X #8	21-4 • 4X #8	21-5 • 3X #8 and 2X #20	23-2 • 2X #4		
25-2 • 2X #2	25-4 • 4X #4	25-10 • 2X #4 and 8X #16			
15-3 • 1X #8 and 2X #20	17-3 • 1X #4 and 2X #20	19-A3 • 1X #2 and 2X #20	21-3 • 1X #1/0 and 2X #20		

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WIRE SEALING	
Contact Size	Wire Diameter
20	.040-.083 (1.02-2.11)
16	.065-.109 (1.65-2.77)
8	.209-.277 (5.31-7.04)
4	.323-.391 (8.20-9.93)
2	.400-.477 (10.16-12.12)
0	.486-.572 (12.34-14.53)

FINGER-PROOF CONTACTS		
Size	Pin	Socket
8	Yes	Yes
4	Yes	Yes
2	Yes	Yes
1/0	Yes	No
2/0	No	Yes

Finger-proof to IEC 60529 Level IP2X (Rated voltages Not exceeding 1,000 VAC or 1500 VDC)

CONTACT STYLE		
Contact Code	Description	Contact P/N
A	Pin Connector, No Contacts	
P	Pin Connector, Crown Ring Pin Contacts	850-325
	Pin Connector, Size #4 Crown Ring Pin Contacts and 39029 type Size #16 Pin Contacts (insert arrangement 25-10 only)	850-325 and 850-344-16
	Pin Connector, Size #8 or #4 Crown Ring Pin Contacts and 39029 type #20 Pin Contacts (arrangements 17-4, 21-5, 15-3, 17-3)	850-325 and 850-202-20
G	Pin Connector, Size #2 or #0 Crown Ring Pin Contacts and 39029 type #20 Pin Contacts (arrangements 19-A3, 21-3)	850-325 and 850-346-20
	Pin Connector, Reduced Crimp Barrel Crown Ring Pin Contacts (for Size #8 and Size #4 contacts only)	850-325
B	Socket Connector, No Contacts	
S	Socket Connector, Crown Ring Socket Contacts	850-326
	Socket Connector, Size #4 Crown Ring Socket Contacts and 39029 type Size #16 Socket Contacts (arrangement 25-10 only)	850-326 850-309
	Socket Connector, Size #8 or #4 Crown Ring Socket Contacts and 39029 type #20 Socket Contacts (arrangements 17-4, 21-5, 15-3, 17-3)	850-326 and AS39029/56-351
	Socket Connector, Size #2 or #0 Crown Ring Socket Contacts and 39029 type #20 Socket Contacts (arrangements 19-A3, 21-3)	850-326 and 850-347-20
H	Socket Connector, Reduced Crimp Barrel Crown Ring Socket Contacts (for Size #8 and Size #4 contacts only)	850-326