

Technical Data

Standard Materials & Finishes

Shell	Aluminum alloy, olive drab chromate coating over zinc plate
Insulator	Polychloroprene rubber
Grommet & Seal	Polychloroprene rubber
Contacts	Copper alloy, silver plate

Characteristics

Insulation Resistance	5,000MΩ Minimum (at 25℃)
Temperature Range	55℃ To 25℃
Durability	500 Cycle connection / Disconnection
Water Proof	IP67

Electrical Data

Contact Size	Pin Contact Dia. (mm)	Solder Pot Dia. (mm)	Current (A) Rating	Contact Resistance		Wire Range Accommodations		
				Test Current (A)	Potential Milivolt Drop (Max.)	Wire Size (A.W.G)	Wire Nomal Square (mm ²)	Dielectric Material O.D
16	1.6	2.0	13	20	21	20, 18, 16	1.3	1.7 ~ 3.3
12	2.4	3.0	23	35	20	14, 12	3.5	2.9 ~ 4.3
8	3.6	5.2	46	60	12	10, 8	8.0	4.2 ~ 6.4
4	5.7	8.5	80	110	10	6, 4	22.0	7.0 ~ 9.4
0	9.1	12.0	150	200	10	2, 0	50.0	10.6 ~ 14.0

Dielectric Withstanding Voltage				
Service Rating	Operating Voltage		Test Voltage AC(rms)	
	AC	DC	Sea Level	70,000(ft)
INST	200	250	1,000	260
A	500	700	2,000	360
D	900	1,250	2,800	400
E	1,250	1,750	3,500	440
B	1,750	2,450	4,500	480
C	3,000	4,200	7,000	560

Contact Engaging & Separating Forces			
Contact Mating	Force in Lbs.		
End Size	Maximum	Average	Minimum
16	3.00	2.10	0.25
12	5.00	50	0.50
8	10.00	7.00	0.75
4	15.00	10.50	1.00
0	20.00	14.00	2.00