

Electrical Data

Insert Arrangement Service Rating

Service Rating	Operating Voltage DC*	Operating Voltage AC*
I	250 V	200 V
A	700 V	500 V
D	1250 V	900 V
E	1750 V	1250 V
B	2450 V	1750 V
C	4200 V	3000 V

Dielectric Strength*

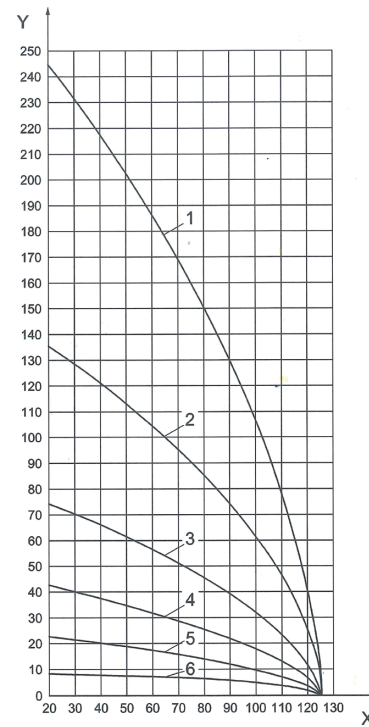
Service Rating	Minimum Flashover ac rms	Test Voltage ac rms "***"
I	1.400 V	1.000 V
A	2.800 V	2.000 V
D	3.600 V	2.800 V
E	4.500 V	3.500 V
B	5.700 V	4.500 V
C	8.500 V	7.000 V

Contact Rating

Contact Size	Max Current	Rated & Tested Current	Potential Drop Millivolts Max
20	7.5 A	7.5 A	83
18	10 A	7.5A	83
16 (S)	22 A	13 A	74
12	41 A	23 A	63
8	73 A	46 A	65
4	135 A	80 A	58
0	245 A	150 A	53
4/0*	350 A	225 A	53

Applicable for short time
 ACCORDING TO MIL-C-39029A (TEST WITH NICKEL PLATED WIRES)

Rated Current



- Key
- Contact size 500; 0
 - Contact size 160; 4
 - Contact size 60; 100; 8
 - Contact size 25; 25A; 12
 - Contact size 15S; 16S; 15; 16
 - Contact size 10

X Ambient temperature in °C
 Y Rated current in A

* At Sea Level Conditions

* According to MIL-DTL-5015 the connectors do not show any signs of breakdown when the test voltage indicated in the table is applied for one minute between the two closest contacts and between the shell and any of the contacts to the shells



Mechanical Data

Backshell / Clamp Torque Forces

Recommended Torque Forces Connector Backshells/Clamps (Nm)		
Size	Min	Max
10SL	1.5	2.5
14S	4.4	5.4
16	6.4	7.4
16S	6.4	7.4
18	6.9	7.8
20	7.8	9.8
20	7.8	9.8
22	9.8	11.8
24	10.8	14.7
28	13.7	18.6
32	14.7	20.6
36	18.6	26.5
40	20.6	39.2

CIR Coupling - Torque Values per VG95234

Shell Size	Allowable Coupling Torque Closing & Opening Nm max	Opening Nm min.
10SL	1.7	0.15
14S	3.6	0.35
16S	5.5	0.46
16	5.5	0.46
18	8.0	0.58
20	9.0	0.7
22	11.0	0.8
24	14.0	0.8
28	17.0	0.92
32	19.0	1.03
36	23.0	1.03
40*	24.0	1.5

* Size 40 it is not required from VG 95234