

NO: 297	TEST: Operating Test	TEST PARA: 4.3.3	SPEC: 4S1604
GOV. DESIGNATION: 695174A-0010	MFR'S DESIGNATION: 4D2000 (9024)	TEST REPORT NO: 679	DATE OF TEST: 12/7/73
TEST REQUIREMENT: Operate relay assembly at 30 VDC with 150 amps. through relay No. 1 and 50 amps. through relay No. 3 for five minutes and 150 amps. through relay No. 2 for two minutes. During test all three relays shall be de-energized and immediately re-energized three times.			
TEMP: 26°C	TESTED BY: Earl Mayne	APPROVED BY: [Signature]	
TEST INSTRUMENT	CALIBRATION	TEST INSTRUMENT	CALIBRATION
D.C. Microvoltmeter S/N 142-04963	11/20/73		
D.C. Generator 160 Amp. Load	Prior to test		
D.C. Voltmeter S/N	N/A		

TEST METHOD: Energized relays No. 1, 2 and 3 with 30 VDC. Allow 150 amps. (30 VDC) to flow through contacts of all three relays (in series) for 5 minutes. During this time each relay was separately de-energized and immediately re-energized three times.

Contact voltage drop readings were taken on each relay at beginning of test and again within ten seconds of third operation.

RESULTS			
RELAY #1	RELAY #2	RELAY #3	CHECK
50 MV	71 MV	86 MV	Initial
51 MV	77 MV	82 MV	After 3rd Operation

TEST RESULTS

SERIAL NO: 899	TEST: Visual Inspection & Dielectric Strength at Sea Level	TEST PARA: 4.2.1&4.2.4	SPEC: 481604
GOV. DESIGNATION: 695174A-0010	MFR'S DESIGNATION: 4D2000 (9024)	TEST REPORT NO: 679	DATE OF TEST: 12-7-73
TEST REQUIREMENT: Visually inspect to determine correctness of materials, construction, color finishes, marking & identification, workmanship, completeness, component fits, connection, general appearance. Inspection to be performed in accordance with plan shown on Process Flow Chart.			
TEMP: 25° RH: 50%	TESTED BY:	APPROVED BY:	
TEST INSTRUMENT	CALIBRATION	TEST INSTRUMENT	CALIBRATION
Dielectric Test Set	10-8-73 1-23-74		
Pick-up & Drop-out Tester	10-9-73 1-23-74		

VISUAL INSPECTION

TEST METHOD: Relay assembly was visually examined and checked for dimensions, fits of parts, color of paint, marking and identification, workmanship and general appearance.

CHECKED FOR	BY	DATE	CONTROL DOCUMENT
Correctness of materials		12	Marine Corps. Green (Semi-) No. 23 Color Chip (Gloss)
Construction			
Color		7	
Finishes		73	
Marking & Identification			
Workmanship			
Completeness			
Component Fits			
Connections			
General Appearance			

DIELECTRIC STRENGTH AT SEA LEVEL

TEST METHOD: Test voltage set at 500 volts. Clip leads used to tie together points given in column "A". Test voltage applied between points in column "A" and point given in column "B". Test voltage maintained for one minute

TEST		RESULTS	
FROM	TO	Pass	Fail
Column "A"	Column "B"		
Case, F,A,J,C	Grd		
Case, F,A,J,Grd	C		
Case, C,A,J,Grd	F		
Case, C,F,J,Grd	A		
Case, C,F,A,Grd	J		

TEST RESULTS P

12-4-72