

INSPECTION REQUIREMENTS

RELAYS

A AND AB TYPES

GENERAL EQUIPMENT REQUIREMENTS

LOCAL MANUAL SYSTEM

TABLE 800-651-181

Lot Range		A	B	C	D	E	F	G	H
Lot Size (number of relays in lot)(see note 4)		1	101	301	601	1001	2001	3001	5001
Sample Size (relays) (see note 1)		100	300	600	1000	2000	3000	5000	10000
		All	90	165	245	325	385	455	520
(For requirements, refer to Section 040-500-701 and sections of Division 800.)	Basis For Counting Defects	Allowable Defect Numbers							
		AN	AN	AN	AN	AN	AN	AN	AN
1. Functional, Numerical, and Group Designations (on relays and on covers)	Relay	Record all defects found. See note 2.							
2. Relay Insulated From Mounting Plate	"	0	0	1	2	3	4	5	6
3. Relay Mounting	"	0	0	1	2	3	4	5	6
4. Tightness of Spring Assembly	"	0	0	1	2	3	4	5	6
5. Adjusting Nut Tightness	"	0	1	2	4	6	7	9	10
6. Straightness of Springs (see note 3)	"	0	0	1	2	3	4	5	6
7. Separation Between Springs	"	0	0	1	2	3	4	5	6
8. Spring Tang Position	"	0	1	2	4	6	7	9	10
9. Application of KS-7743 Separator Between Armature and Adjusting Nut	"	0	0	1	2	3	4	5	6
10. Armature Travel	"	0	1	2	4	6	7	9	10
11. Adjusting Stud Clearance	"	0	0	1	2	3	4	5	6
12. Armature Stud Clearance	"	0	0	1	2	3	4	5	6
13. Stud Gap	"	0	0	1	2	3	4	5	6
14. Contact Pressure	"	0	0	1	2	3	4	5	6
15. Contact Separation	"	0	0	1	2	3	4	5	6
16. Contact Follow	"	0	0	1	2	3	4	5	6
17. Contact and Spring Alignment	"	0	0	1	2	3	4	5	6
18. Spring Sequence	"	0	0	1	2	3	4	5	6
19. Electrical Requirements	"	0	1	2	4	6	7	9	10

AN = Allowable Number of defects in sample.

SPOTTINESS TABLE

Size of Subsample	3	26	71	126	176	201	251	301	351	401	451	501	551	601	651	701	751	801
	25	70	125	175	200	250	300	350	400	450	500	550	600	650	700	750	800	850
SN	2	3	4	6	7	8	10	11	12	13	14	16	17	19	20	22	23	24

SN = Spottiness Number (applying to subsample).

Note 1: Where the test specified in the performance requirements section for line and cut-off relays is applied, verification of these relays may be omitted as a part of the inspection procedure.

Note 2: For each type of defect recorded, sufficient additional inspection shall be made to insure elimination of the irregularity in the equipment involved.

Note 3: Where the AN number for Inspection Item 2 is not exceeded, correction of defects for this item may be omitted. Where the AN number is exceeded, the case shall be reviewed with the

operating company people to determine the corrective measures to be taken.

Note 4: Except for relays mounted and wired during installation, inspection for this type of relay is not required except when testing results or other evidence indicates an unsatisfactory condition of adjustment.

Note 5: For detailed explanation and use of tables, refer to Section 800-668-180.

REASONS FOR REISSUE

To change allowable defect numbers and notes and to re-arrange Inspection Items.