

**INSPECTION REQUIREMENTS
RELAYS—U AND UA TYPE(S)
GENERAL EQUIPMENT REQUIREMENTS
COMMON SYSTEMS**

TABLE 800-668-197

Lot Range	A	B	C	D	E	F	G	H	I	J	K		
Lot Size (total number of relays in lot)	1	101	301	601	1001	2001	3001	5001	10001	20001	50001		
Sample Size (relays)(see note 4)	All	90	165	245	325	385	455	520	650	710	770		
Inspection Item (see note 1) For requirements, refer to Section 040-518-701 and sections of Division 800.)	Basis for Counting Defects	Allowable Defect Numbers											
		AN	AN	AN	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 Mounting	"	0	0	1	2	3	4	5	6	8	9	10	
3. Vertical Clearance Between Relays	"	0	0	1	2	3	4	5	6	8	9	10	
4. Cover Spring and Cover Guide Pressure and Cover Cap Tightness	"	0	1	2	4	6	7	9	10	13	15	17	
5. Contact Alignment	"	0	0	1	2	3	4	5	6	8	9	10	
6. Spring Tang Position	"	0	0	1	2	3	4	5	6	8	9	10	
7. Adjusting Stud Clearance	"	0	0	1	2	3	4	5	6	8	9	10	
8. Adjusting Nut or Locknut Tightness	"	0	0	1	2	3	4	5	6	8	9	10	
9. Armature Position	"	0	0	1	2	3	4	5	6	8	9	10	
10. Armature Travel	"	0	0	1	2	3	4	5	6	8	9	10	
11. Spring Tension:(a,b, c1,d) Individual Contact Springs	"	0	0	1	2	3	4	5	6	8	9	10	
12. Buffer Spring Tension and Position	"	0	0	1	2	3	4	5	6	8	9	10	
13. Armature Back Tension	"	0	0	1	2	3	4	5	6	8	9	10	
14. Spring Stud Clearance	"	0	0	1	2	3	4	5	6	8	9	10	
15. Separation Between Springs	"	0	0	1	2	3	4	5	6	8	9	10	
16. Stud Gap	"	0	0	1	2	3	4	5	6	8	9	10	
17. Contact Make: Normal and Operated Position	"	0	0	1	2	3	4	5	6	8	9	10	
18. Contact Gauging Requirements	SI	"	0	2	4	6	8	10	13	15	19	21	23
19. Contact Separation	"	0	0	1	2	3	4	5	6	8	9	10	
20. Contact Sequence	"	0	0	1	2	3	4	5	6	8	9	10	
21. Electrical Requirements	"	0	1	2	4	6	7	9	10	13	15	17	

TABLE 800-668-197 (Cont)

Lot Range	A	B	C	D	E	F	G	H	I	J	K	
Lot Size (total number of relays in lot)	1	101	301	601	1001	2001	3001	5001	10001	20001	50001	
Sample Size (relays)(see note 4)	All	90	165	245	325	385	455	520	650	710	770	
Inspection Item (see note 1) For requirements, refer to Section 040-518-701 and sections of Division 800.)	Basis for Counting Defects	Allowable Defect Numbers										
		AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN
22. Pulse Repeating Requirement	Relay	See Note 3										
23. Relay Insulated From Mounting Plate	"	0	0	1	2	3	4	5	6	8	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	851	901	951
SN	2	3	4	6	7	8	10	11	12	13	14	16	17	19	20	22	23	24	25	26	28
SN = Spottiness Number (applying to subsample)																					

Note 1: Except for relays mounted and wired during installation, inspection for this type of relay may be limited to the item designated by SI (Selected Item). Extension of inspection to the remaining items for lots in lot range A shall be made when one or more defects are found in the selected item. Extension of inspection to the remaining items in ranges B through K shall be made when the AN is exceeded for the selected item.

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 pulse repeating requirements are applied, a complete check shall be made in all cases

either as a part of the verification or of the testing procedures.

Note 4: In community dial office, PBXs, and other offices where the test specified for the line circuit relays (U and UA) in the performance requirements section is applied, verification of these relays may be omitted as a part of the inspection procedure.

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

REASONS FOR REISSUE

To reduce the sample size requirements based on the process average quality of the manufactured product and to reduce the number of selected items requiring installer inspection.