

INSPECTION REQUIREMENTS

RELAYS

114, 124, 126, 174, AND 198 TYPE(S)

GENERAL EQUIPMENT REQUIREMENTS

COMMON SYSTEMS

TABLE 800-668-185

Lot Range		A	B	C	D	E	F	G	H
Lot Size (number of relays in lot)		1 200	201 300	301 600	601 900	901 1200	1201 1500	1501 2000	2001 3000
Sample Size (relays)		All	180	250	300	340	370	400	440
Inspection Item (see note 1) (For requirements, refer to Section 040-220-701 and sections of Division.)	Basis For Counting Defects	Allowable Defect Number							
		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	2	3	3	4	4	4	5
3. Cover Spring Pressure	"	0	3	5	5	6	7	8	9
4. Contact Alignment	"	0	2	3	3	4	4	4	5
5. Tightness of Adjusting Nut	"	0	2	3	3	4	4	4	5
6. Tightness of Locknuts and Screws	"	0	2	3	3	4	4	4	5
7. Bonding Strap Position	"	0	6	9	11	12	13	14	16
8. Armature Movement	"	0	2	3	3	4	4	4	5
9. Operated Armature Air Gap	"	0	2	3	3	4	4	4	5
10. Hinge Gap	"	0	2	3	3	4	4	4	5
11. Armature Travel or Contact Separation	SI	0	2	3	3	4	4	4	5
12. Feather Spring Clearance	"	0	2	3	3	4	4	4	5
13. Retractable Spring Tension	SI	0	2	3	3	4	4	4	5
14. Electrical Requirements (see note 3)	SI	0	3	5	5	6	7	8	9
15. Adjusting Slide Position or Adjusting Stud Position	"	0	2	3	3	4	4	4	5
AN = Allowable Number of defects in sample.									

SPOTTINESS TABLE

Size of Subsample	3	26	71	126	176	201	251	301	351
SN	25	70	125	175	200	250	300	350	400
	2	3	4	6	7	8	10	11	12
SN = Spottiness Number (applying to subsamples).									

Note 1: Except for relays mounted and wired during installation, inspection for this type of relay is limited to the items 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 at least two selected items. Extension of inspection to the remaining items in ranges B through H shall be made when the AN is exceeded for two or more selected items.

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

Note 3: Where the relays of the lot are checked to the test line peak of wave test as a part of the performance tests, extension of inspection beyond the initial sample is not required when an AN excess occurs on this item.

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

REASONS FOR REISSUE

To apply the Selected Item procedure (PEL5193) to these relays and to designate the selected items for installer inspection.