

**INSPECTION REQUIREMENTS**  
**RELAYS**  
**266 TYPE**  
**GENERAL EQUIPMENT REQUIREMENTS**  
**COMMON SYSTEMS**

TABLE 800-668-191

Lot Range		A	B	C	D	E	F	G	H
Lot Size (total number of relays in lot)		1 100	101 300	301 600	601 1000	1001 2000	2001 3000	3001 5000	5001 10000
Sample Size (relays)		All	90	165	245	325	385	455	520
Inspection Item (see note 1) (For requirements, refer to Section 040-256-701 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 covers and on relays)	Relay	Record all defects found. See note 2							
2. Relay Mounting	"	0	0	1	2	3	4	5	6
3. Vertical Clearance	"	0	0	1	2	3	4	5	6
4. Cover Cap Tightness, Cover Guide Pressure, and Cover Guide Position	"	0	0	1	2	3	4	5	6
5. Contact Alignment	"	0	0	1	2	3	4	5	6
6. Spring Stud Clearance	"	0	0	1	2	3	4	5	6
7. Spring Tang Position	"	0	0	1	2	3	4	5	6
8. Adjusting Stud Clearance	"	0	0	1	2	3	4	5	6
9. Adjusting Nut Tightness	"	0	0	1	2	3	4	5	6
10. Armature Travel	"	0	0	1	2	3	4	5	6
11. Straightness of Springs (see note 3)	"	0	1	2	4	6	7	9	10
12. Separation Between Springs	"	0	0	1	2	3	4	5	6
13. Spring Tension	"	0	0	1	2	3	4	5	6
14. Stud Cap	"	0	0	1	2	3	4	5	6
15. Contact Make	"	0	0	1	2	3	4	5	6
16. Contact Follow of Springs Actuated by Stud on Cover Cap	"	0	0	1	2	3	4	5	6
17. Contact Separation	"	0	0	1	2	3	4	5	6
18. Spring Sequence	"	0	0	1	2	3	4	5	6
19. Electrical Requirements	SI	0	1	2	4	6	7	9	10
20. Relay Insulated From Mounting Plate	"	0	0	1	2	3	4	5	6
AN = Allowable Number of defects in sample.									

## SPOTTINESS TABLE

Size of Subsample	3 25	26 70	71 125	126 175	176 200	201 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600	601 650	651 700	701 750	751 800	801 850
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:* 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 H 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 the AN number for Inspection Item 11 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 measure to be taken.

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, to reduce the sample size requirements based on the process average quality of the manufactured product, and to designate the selected item for installer inspection.