IS218.013, ISSUE 5

## INSPECTION REQUIREMENTS

## RELAYS

## 263 AND 264 TYPE(S)

# **GENERAL EQUIPMENT REQUIREMENTS**

### **COMMON SYSTEMS**

#### TABLE 800-668-187

Lot Range	A	в	с	D	E	F	G	Н	I	J	ĸ			
Lot Size (number of relay in lot) Samples Size (relays - se	1 160 All	161 500 160	501 850 180	851 1250 230	1251 1750 280	2250	3000	3001 4000 460		8000	10,000			
Inspection Item (see note 1)- (For requirements, refer to Section 040-207-701 and sections of Division 800.)	Allowable Defect Numbers													
sections of Division 600.)		Basis	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	
1. Functional, Numerical, and Relay Record all defects found. See note 2 Group Designations (on covers and on relays)										te 2.				
2. Mounting of Relay and Relay Magnet		Ħ	0	4	5	8	9	12	14	17	18	21	23	
3. Retaining Spring Tension		11	0	1.	1	2	2	4	4	5	6	7	7	
4. Freedom of Movement of Armature		11	0	1	1	2	2	4	4	5	6	7	7	
5. Overlap of Armature		11	0	1	1	2	2	4	4	5	6	7	7	
6. Armature Travel		11	0	1	1	2	2	4	4	5	6	7	7	
7. Tightness of Locknut		11	0	1	1	5	2	4	4	5	6	7	7	
8. Contact Alignment		Level	0	6	7	9	12	16	18	21	23	25	28	
9. Operating Spring Tension		11	0	6	7	9	12	16	18	21	23	25	28	
10. Spring Clearance		11	0	6	7	9	12	16	18	21	23	25	28	
11. Contact Separation		11	0	6	7	9	12	16	18	21	23	25	28	
12. Front Contact Make	11	0	6	7	9	12	16	18	21	23	25	28		
13. Electrical Requirements	Relay	0	1	1	2	2	4	4	5	6	7	7		
AN = Allowable Number of defects	in	sampl	e											

#### SPOTTINESS TABLE

Size of Subsample	3 25	26 70	71 125	126 175	176 200	<b>201</b> 250	<b>251</b> 300	301 350	35 <b>1</b> 400	401 450	451 500	501 550	551 600	601 650	651 700	701 750	751 800	801 850	851 900	901 950	951 1000
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 is 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 where one or more defects are found for 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 defected recorded, sufficient additional inspection shall be made to insure elimination of the irregularity in the equipment involved.

Note 3: The selection and distribution of the sample will be on the basis of the relay. When required to inspect this relay for all items (1 through 13) for lot ranges B through K, only one magnet and associated armature together with spring assemblies on three levels will be selected from each relay in the sample. The selection of magnets from the individual relays shall be such that an approximately equal number of top and bottom magnets with their associated parts will be

included. The levels selected should also be varied throughout the relays of the sample. In lot range A, the inspection for items 8 through 12 may be limited to three spring assemblies per relay. For these lots, if the total number of defects found for any of the above inspection items is in excess of 1/2 the spottiness number (dropping fractional parts but in no case in excess of the AN of lot range B) corresponding to the number of spring assemblies inspected, the uninspected portion of the lot shall be inspected completely for that inspection item.

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

#### **REASON FOR REISSUE**

To expand note 1.