2. ACCEPTANCE AND INSPECTION:

A. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-I-75077.
B. THIS UNIT SHALL MEET THE APPLICABLE REQUIREMENTS OF MIL-I-5757 WITH THE EXCEPTIONS AND ADDITIONS SPECIFIED HEREIN.
C. THE SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS AS CONTAINED IN ND 1002046 UNLESS OTHERWISE SPECIFIED HEREIN. ELECTRICAL REQUIREMENTS CONTAINED HEREIN SHALL TAKE PRECEDENCE OVER THOSE LISTED IN ND 1002046.
D. THIS UNIT SHALL MEET THE QUALIFICATION REQUIREMENTS OF ND 1002046 UNLESS OTHERWISE SPECIFIED HEREIN.
E. THE CLASSIFICATION OF THIS RELAY SHALL BE LOW-LEVEL AS STATED IN ND 1015404, CLASS 2.
F. PREPARATION FOR DELIVERY: PACKAGING AND PACKING SHALL BE IN ACCORDANCE WITH ND 1002115, CLASS 1, CODE 1.

3. MECHANICAL REQUIREMENTS:

A. SAMPLING: UNLESS OTHERWISE SPECIFIED, SAMPLING FOR ALL REQUIREMENTS UNDER ACCEPTANCE AND INSPECTION SHALL BE IN ACCORDANCE WITH MIL-STD-105.
B. ACCEPTANCE: PERCENTAGE LEVEL 1, AQL OF 4.0 PERCENT.
C. ELECTRICAL REQUIREMENTS:

(1) LEAD MATERIAL: LEAD MATERIAL SHALL BE GOLD PLATED IRON-NICKEL ALLOY (DINMMET) IN ACCORDANCE WITH ND 105404. A CERTIFICATE OF COMPLIANCE WITH THIS REQUIREMENT SHALL ACCOMPANY EACH SHIPMENT.
(2) MARKING:

(3) Dimensions: DIMENSIONS SHALL BE AS SPECIFIED HEREIN. LEADS SHALL BE SYMMETRICALLY POSITIONS WITH RESPECT TO E OF HEADER WITHIN .001 INCH.
(4) Seal: Units shall be hermetically sealed. Seal Test III (except 108 cc/sec) per MIL-I-5757 shall be performed on 100 percent of units procured.
C. ELECTRICAL REQUIREMENTS:

(1) COIL CURRENT: PULL-IN AND DROP-OUT IN ACCORDANCE WITH TABLE 1.
(2) COIL RESISTANCE: IN ACCORDANCE WITH TABLE 1.
(3) CONTACT RESISTANCE: SHALL BE 1.0 MESH MAXIMUM WHEN MEASURED WITH 100 MILLIAMPERES FROM A & VCC OPEN CIRCUIT VOLTS (CONTACTS SHALL NOT SWITCH THE MEASURING LOAD). 100 PERCENT OF UNITS PROCURED SHALL BE INSPECTED FOR THIS CHARACTERISTIC.

PROCURE ONLY FROM APPROVED SOURCES LISTED IN ND 1002034 FOR THIS DRAWING.
NOTICE — WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS OR OTHER DATA ARE NOT TO BE REGARDED BY IMPLICATION OR OTHERWISE AS IM ANY MANNER RELATED GOVERNMENT PROCUREMENT OPERATIONS. THE UNITED STATES GOVERNMENT THEREBY INCURS NO RESPONSIBILITY NOR ANY OBLIGATION WHATSOEVER, RELATED TO LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONVEYING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.

(1) LIFE: LIFE OF THIS UNIT SHALL BE 100,000 CYCLES MINIMUM WHEN WITH THE ELECTRICAL REQUIREMENTS OF THIS SPECIFICATION WHEN EXPOSED TO AMBIENT TEMPERATURES FROM MINUS 65 DEGREES CENTIGRADE TO PLUS 125 DEGREES CENTIGRADE.

(2) COIL VOLTAGE (SUGGESTED SOURCE): IN ACCORDANCE WITH TABLE I.

(3) THERMAL SHOCK: UNITS SHALL BE CAPABLE OF WITHSTANDING THERMAL SHOCK FROM MINUS 65 DEGREES: CENTIGRADE TO PLUS 125 DEGREES CENTIGRADE.

(4) CONTACT RESISTANCE AND MAXIMUM PULL-IN CURRENT, SHALL BE MEASURED BY THE MANUFACTURER AFTER THE 5,000 CYCLE TEST AND JUST PRIOR TO SHIPMENT. CERTIFICATION OF THESE MEASUREMENTS SHALL ACCOMPANY EACH SHIPMENT. ONE COPY OF A TABULATION, SHOWING THE NUMBER OF RELAYS SUBJECTED TO THE 5,000 CYCLE TEST, THE NUMBER OF RELAYS FAILING THE 5,000 CYCLE TEST AND THE TIME (OR CYCLE) OF FAILURE SHALL ACCOMPANY EACH SHIPMENT.

(5) CONTACTS SHALL BE CAPABLE OF SWITCHING DRY-CIRCUIT CONDITIONS WITH THE STIPULATION THAT NO LOAD GREATER THAN 100 MILLIAMPERES HAD BEEN SWITCHED PRIOR TO DRY-CIRCUIT LOAD.

(6) CONTACT RATING AND MAXIMUM PULL-IN CURRENT, SHALL BE MEASURED BY THE MANUFACTURER AFTER THE 5,000 CYCLE TEST AND JUST PRIOR TO SHIPMENT. CERTIFICATION OF THESE MEASUREMENTS SHALL ACCOMPANY EACH SHIPMENT. ONE COPY OF A TABULATION, SHOWING THE NUMBER OF RELAYS SUBJECTED TO THE 5,000 CYCLE TEST, THE NUMBER OF RELAYS FAILING THE 5,000 CYCLE TEST AND THE TIME (OR CYCLE) OF FAILURE SHALL ACCOMPANY EACH SHIPMENT.

(7) TEST READINGS FOR REQUIREMENTS SPECIFIED IN NOTES 2C, 3, 4, 7, 8 FOR EACH RELAY TAKEN BEFORE AND AFTER MISS TEST SHALL BE SUBMITTED WITH EACH LOT.

<table>
<thead>
<tr>
<th>DASH NO.</th>
<th>COIL RESISTANCE @ 20°C MIN - MAX</th>
<th>PULL-IN CURRENT @ +125°C MIN</th>
<th>CONTINUOUS CURRENT @ +125°C MIN</th>
<th>SUGGESTED SOURCE VOLTAGE VDC</th>
<th>OPERATE SENSITIVITY MA MAX</th>
<th>DROP-OUT CURRENT @ +125°C MIN</th>
<th>POSITIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>-001</td>
<td>65 ± 10%</td>
<td>88.0</td>
<td>176</td>
<td>12.0</td>
<td>500</td>
<td>8.8</td>
<td></td>
</tr>
</tbody>
</table>

A. THE MANUFACTURER SHALL SUBJECT EACH RELAY TO THE MISS TEST AS FOLLOWS:

- LOAD SHALL BE 20 MICROAMPERES MAXIMUM (RESISTIVE) AT 20 MILLI-VOLTS MAXIMUM OPEN CIRCUIT VOLTAGE.
- TEST SPEED SHALL BE 5 CYCLES, OR LESS, PER SECOND.
- EACH RELAY SHALL OPERATE FOR 5,000 CYCLES.
- EACH RELAY SHALL BE MONITORED FOR OPERA, SHORTS AND CONTACT RESISTANCE WHICH SHALL NOT EXCEED 1000 OHMS.
- OCCURRENCE OF ANY OF THESE EVENTS SHALL CONSTITUTE A MISS AND SHALL BE CAUSE FOR REJECTION OF RELAY.