

DOCUMENT CHANGE REQUEST

2 DCR number Changes required for: MRB decision Originator: Baviere Date: 2002/11/27 Date sent: 2002/11/27 Organisation: CNES Status: IMPLEMENTED Title: Generic Specification for Relays Electromagnetic Non-Latching Number: 3601 Issue: 1 Other documents affected: 3602-1 Page: Paragraph: Original wording: Proposed wording: Justification: Attachments: Attachment_DCR_2.pdf, null Modifications: N/A Approval signature: 12.6c f(ari-4 Date signed: 2002-11-27

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DOCUMENTATION CHANGE REQUEST

TO BE COMPLETED BY ORIGINATOR						Change request No. (4)
Originator (1) Ph.BAVIERE	Originator (2)	signature		representative sign	ature	2
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20800/4/08					Contin	uation sheet(s) attached
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ESAISCE 3601 DCR2. change sheets.



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18/10/02

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RELAYS, ELECTROMAGNETIC,

NON-LATCHING

ESA/SCC Generic Specification No. 3601



space components coordination group

		Approved by		
Issue/Rev.	Date	SCCG Chairman	ESA Director General or his Deputy	
Issue 5	April 1999	Sa Mit	Hours	



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8.2.3 Lot Acceptance Level 3 Testing (LA3)

Lot acceptance level 3 tests are designated as the electrical subgroup and comprise electrical measurements of characteristics and tests to prove the assembly capability of the component. For LA3 testing, the following requirements and conditions shall apply:-

- (a) LA3 testing shall be performed by the Manufacturer's quality assurance personnel using dedicated quality assurance equipment whenever possible. LA3 testing shall not be a repetition of routine measurements made by production personnel during final production tests and screening and electrical measurements.
- (b) When tests to Tables 2 and 3 of the Detail Specification have been performed on a sample basis, then the components for LA3 testing shall be selected from this sample.
- (c) The electrical measurements for LA3 are considered to be non-destructive and therefore components so tested may form part of the delivery lot.
- (d) The solderability and terminal strength tests are considered to be destructive and therefore components so tested shall not form part of the delivery lot. Post-scienting electrical rejects for these tests. Post-screening visual rejects may be used for these tests at the distriction of the manufacturer.

 (e) When required in the purchase order, the Manufacturer shall notify the Orderer at least 2 working
- (e) When required in the purchase order, the Manufacturer shall notify the Orderer at least 2 working weeks before the commencement of LA3 testing. The Orderer shall indicate immediately whether or not he intends to witness the tests.

8.2.4 Lot Acceptance Level 2 Testing (LA2)

Lot acceptance level 2 testing shall comprise the tests for LA3 (electrical subgroup) plus tests on an endurance subgroup. For the electrical subgroup, the requirements and conditions as for LA3 (see Para. 8.2.3) shall apply.

For the endurance subgroup, the following shall apply:-

(a) The tests in this subgroup are considered to be destructive and therefore components of testing level "B" so tested shall not form part of the delivery lot.

8.2.5 Lot Acceptance Level 1 Testing (LA1)

Lot acceptance level 1 testing shall comprise the tests for LA3 (electrical subgroup) and LA2 (endurance subgroup) plus tests on an environmental and mechanical subgroup. For the electrical and endurance subgroups, the requirements and conditions for LA3 (see Para. 8.2.3) and LA2 (see Para. 8.2.4) respectively shall apply.

For the environmental subgroup, the following shall apply:-

(a) The tests in this subgroup are considered to be destructive and therefore components of testing level "B" so tested shall not form part of the delivery lot.

8.3 <u>FAILURE CRITERIA</u>

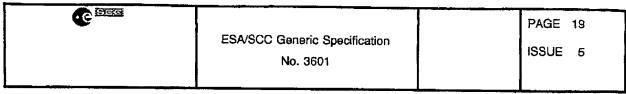
The following criteria shall apply to qualification testing and to lot acceptance testing.

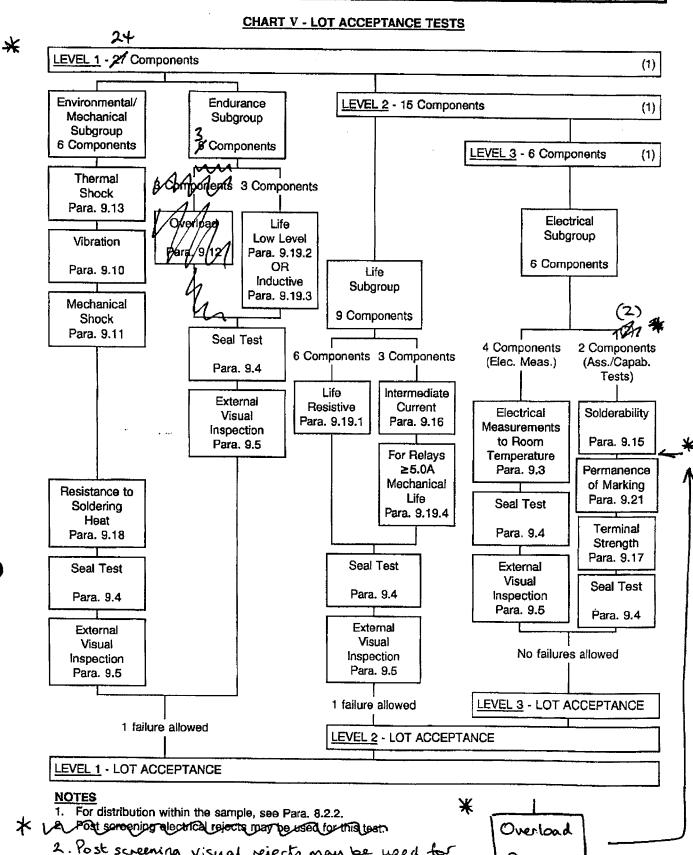
8.3.1 Environmental and Mechanical Test Failures

The following shall be counted as component failures:

Components which fail during tests for which the pass/fail criteria are inherent in the test method,
 e.g. solderability, terminal strength, etc.







2. Post screening visual rejects may be used for these tests at the discretion of the namufacturer.



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RELAYS, ELECTROMAGNETIC,

LATCHING

ESA/SCC Generic Specification No. 3602



space components coordination group

		Approved by			
Issue/Rev.	Date	SCCG Chairman	ESA Director General or his Deputy		
issue 5	April 1999	Sanfridt	Alon		
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- (b) When tests to Tables 2 and 3 of the Detail Specification have been performed on a sample basis, then the components for LA3 testing shall be selected from this sample.
- (c) The electrical measurements for LA3 are considered to be non-destructive and therefore components so tested may form part of the delivery lot.
- (d) The solderability and terminal strength tests are considered to be destructive and therefore components so tested shall not form part of the delivery lot. Past screening electrical rejects when the used for these tests. Post screening visual rejects may be used for these tests at the discretion of the manufacturer.

 (e) When required in the purchase order, the Manufacturer shall notify the Orderer at least 2
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8.2.4 Lot Acceptance Level 2 Testing (LA2)

Lot acceptance level 2 testing shall comprise the tests for LA3 (electrical subgroup) plus tests on an endurance subgroup. For the electrical subgroup, the requirements and conditions as for LA3 (see Para. 8.2.3) shall apply.

For the endurance subgroup, the following shall apply:-

(a) The tests in this subgroup are considered to be destructive and therefore components of testing level "B" so tested shall not form part of the delivery lot.

8.2.5 Lot Acceptance Level 1 Testing (LA1)

Lot acceptance level 1 testing shall comprise the tests for LA3 (electrical subgroup) and LA2 (endurance subgroup) plus tests on an environmental and mechanical subgroup. For the electrical and endurance subgroups, the requirements and conditions for LA3 (see Para. 8.2.3) and LA2 (see Para. 8.2.4) respectively shall apply.

For the environmental subgroup, the following shall apply:-

(a) The tests in this subgroup are considered to be destructive and therefore components of testing level "B" so tested shall not form part of the delivery lot.

8.3 FAILURE CRITERIA

The following criteria shall apply to qualification testing and to lot acceptance testing.

8.3.1 Environmental and Mechanical Test Failures

The following shall be counted as component failures:

- Components which fail during tests for which the pass/fail criteria are inherent in the test method, e.g. solderability, terminal strength, etc.



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