



DOCUMENT CHANGE REQUEST

DCR number	915	Changes required for:	Qualification	Originator:	Olivier Masson
Date:	2015/09/11	Date sent:	2015/03/06	Organisation:	C&K Components
Status:	IMPLEMENTED				

Title:	Fast-Locking Screw Lock Assemblies For Rectangular Connectors 3401/001, 3401/002 and		
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Number:	3401/085	Issue:	2
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Other documents affected:

Page:

All pages

Paragraph:

See paragraphs in blue in the attached draft

Original wording:

See current specification ESCC 3401/085

Proposed wording:

See paragraphs in blue in the attached draft

Justification:

Several procedures of testing have to be defined more in depth.
Pull test made in different configuration lead to introduce the Security Pin as a variant in the specification.
Conditions for correct usage have been added in page 8.
Group V has been added in qualification tests to guarantee the mechanical performances

Attachments:

dcr915_attachment__3401085_issue_3d_(markedup).docx, 3401085_draft_3a_050315.pdf

Modifications:

Steve Thacker "C&K has now confirme ..."
2015-09-10

Comments:

C&K has now confirmed their agreement to the modifications to DCR915 in new revision of 3401/085 Draft 3D (attached) (ref email dated 08/09/2015).

The modifications section of DCR915 shall be amended as follows:

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Modifications:

1. As agreed with C&K, the original DCR attachment detailing the proposed changes is replaced by two new attachments:

i) DCR915 attachment - 3401085 issue 3D (Markedup).docx

A Word document that details all changes from the currently published 3401/085 issue 2 in the new proposed revision issue 3 draft D. All changes are highlighted in this document by means of MSWORD's Track Changes function.

ii) 3401085 issue 3D for publishing.docx

The proposed new revision specification (with all proposed changes agreed with C&K, implemented).

Note: The new revision 3401/085 Draft 3D implements the same basic changes to the specification as originally proposed by C&K in DCR915 but fixes various technical and editorial issues with the original DCR attachment; see 2. Below for details.

2. Specific modifications, changes and additions made relative to the currently published 3401/085 issue 2 (based on the original DCR915 & DCR915 attachment with additional changes agreed with C&K), include the following:

- General editorial changes to make the specification self-consistent & for clarification purposes (see attachments for details).

- Table 1(a), Table 6, Figure 2, Para 2, 4.2.4, 4.2.5, 4.3.4, 4.3.8, 4.3.9, 4.3.10, 4.3.11, 4.4.1: Changes required to implement new Security Pin (Variant 06) for Male Fast-Locking Screw Lock Assemblies.

- Table 1(a) & Paras. 1 & 2: add applicable ESCC backshells that are compatible with this spec (Variant 02).

- Figure 2 Dimension G is clarified.

- Para. 4.2.4 Chart IV: a new subgroup V is added

- Para. 4.2.5 Chart V is replaced as indicated in the original DCR attachment (see also attached mark-up ESCC 3401/085 Draft 3C for details).

- Para 4.3.3 (& Table 6): 'Maximum Torque Application', & 'Coupling Nut Unlocking Torque' replace 'Torque Value' paragraph.

- Paras 4.3.3 to 4.3.11: clarify which Variants are to be tested for each test (Table 6 notes 2, 3, 4, are deleted)

- Para 4.3.4: both unlocking tools are specified

- Paras 4.3.6 to 4.3.8: test duration is added to each test (5s)

- Paras 4.5 to 4.5.4: amended to be consistent with ESCC Nos. 21700 & 22600.

- Para. 4.5.3.1: Magnetism levels NMC & NMD are deleted.

- Table 6:

- o all 'not applicable' inspections have been deleted from the table for clarification purposes (replaced by a new deviation to Chart IV & V in Paras 4.2.4 & 4.2.5).

- o Vibration: 'Coupling Nut Unlocking Torque' minimum limit is set as 1cm.daN minimum

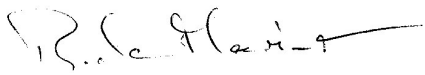
- o Vibration: 'Locking / Unlocking Forces Drift' is deleted

- o Vibration, & Shock or Bump: 'micro cutting' has been renamed as 'contact disturbance' measurement during test.

- o Climatic Sequence: 'Locking / Unlocking Forces' added as a final test.

- o Note 2 has been added to all applicable tests to allow previous Locking / Unlocking Forces test results to be used as the initial test results.

Approval signature:

A handwritten signature in black ink, appearing to read "V. Sc. Haring", is written across the signature line.

Date signed:

2015-09-11