Features and Benefits
• Compliant with ESA specification 34010/085
• No tool to fix connector
• No torque value measurement
• No indicator marking
• Visual control of locking position

Typical Applications
• Space equipment
• Satellites harnesses and payloads

Specification
• Compliant to ESCC 3401/085 specifications
• Compatible with ESCC 3401/001 D*M connectors, 3401/002 D*MA connectors, 3401/080 D-Sub savers and 3401/080 Combo savers
• Compatible with part of ESCC 3401/022 and 3401/072 D-sub Backshells
• Suitable for use in Space and high performance applications: Board to Cable applications

Characteristics
<table>
<thead>
<tr>
<th>CHARACTERISTIC</th>
<th>SPECIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature range</td>
<td>-55 / +125°C</td>
</tr>
<tr>
<td>Storage temperature range</td>
<td>-55 / +125°C</td>
</tr>
<tr>
<td>Residual Magnetism Level</td>
<td>200 Gamma max.</td>
</tr>
</tbody>
</table>

Quality Level
• ESA / ESCC: code 3401 (Flying model)
• Qualification reviewed every 2 years

Note
• The use of Security Pin to lock the Fast Locking Screw Lock Assembly is mandatory. Each Male Fast-Locking variants 01 and 02 are delivered with one Security Pin variant 06
• Backshells compatible with Male Fast-Locking variant 02 are listed below:
  - ESCC Detail Specification # 3401022: Variants 17 to 38, variants 81 to 83 and variants 90 to 94
  - ESCC Detail Specification # 3401072: Variants 05 to 14, variants 35 to 39, variants 46 to 50 and variants 61 to 65
• Before integrations, be sure to have enough space to use unlocking tools (take care with backshell outlet, cables...)

How to order
<table>
<thead>
<tr>
<th>ESA/ESCC DESCRIPTION</th>
<th>DESCRIPTION</th>
<th>PACKAGING</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>340108501B</td>
<td>Male fast locking (for connector without backshell)</td>
<td>Packaged by 2</td>
<td>2</td>
</tr>
<tr>
<td>340108502B</td>
<td>Male fast locking (for connector with backshell)</td>
<td>Packaged by 2</td>
<td>2</td>
</tr>
<tr>
<td>340108503B</td>
<td>Female fast locking</td>
<td>Packaged by 2</td>
<td>3</td>
</tr>
<tr>
<td>340108504B</td>
<td>Savers fast locking</td>
<td>Packaged by 2</td>
<td>3</td>
</tr>
<tr>
<td>340108505B</td>
<td>Hybrid savers fast locking</td>
<td>Packaged by 2</td>
<td>4</td>
</tr>
<tr>
<td>340108506B</td>
<td>Security pin (for male fast lock 340108501B &amp; 34018502B)</td>
<td>Packaged by 2</td>
<td>4</td>
</tr>
<tr>
<td>Fast Lock-Unlock Tool-01</td>
<td>Unlock Tool #1</td>
<td>Packaged by 1</td>
<td>5</td>
</tr>
<tr>
<td>Fast Lock-Unlock Tool-02</td>
<td>Unlock Tool #2</td>
<td>Packaged by 1</td>
<td>5</td>
</tr>
</tbody>
</table>

Traceability associated as per ESA/ESCC specifications

www.ckswitches.com
MALE FAST LOCKING - 340108501B (FOR CONNECTOR WITHOUT BACKSHELL)

- Locking force: 15N max
- Kit consists of 1 male fast lock and 1 security pin
- Order 2 per connector

C&K Part Number: **C115366-2391**

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>MATERIAL</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body and Staple</td>
<td>Copper alloy</td>
<td>0.7 µm min. Gold over 0.1 µm min. Copper underlay</td>
</tr>
<tr>
<td>Button</td>
<td>Stainless Steel type 303</td>
<td>Passivated</td>
</tr>
<tr>
<td>Inner Clip &amp; Spring</td>
<td>Beryllium Copper</td>
<td></td>
</tr>
<tr>
<td>Security Pin</td>
<td>Copper alloy</td>
<td>1.27 µm min. Gold over 1 µm min. Copper</td>
</tr>
</tbody>
</table>

Dimensions shown in: **mm**  
Specifications and dimensions subject to change

MALE FAST LOCKING - 340108502B (FOR CONNECTOR WITH BACKSHELL)

- Locking force: 15N max
- Kit consists of 1 male fast lock and 1 security pin
- Order 2 per connector

C&K Part Number: **C115366-2392**

<table>
<thead>
<tr>
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<th>MATERIAL</th>
<th>FINISH</th>
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</thead>
<tbody>
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<tr>
<td>Security Pin</td>
<td>Copper alloy</td>
<td>1.27 µm min. Gold over 1 µm min. Copper</td>
</tr>
</tbody>
</table>
**FEMALE FAST LOCKING - 340108503B**

- Torque value: 4.65±0.25 cm.daN
- Kit consists of 1 bushing and 1 washer
- Order 2 per connector

C&K Part Number: **C115366-2393**

**COMPONENT** | **MATERIAL** | **FINISH**
--- | --- | ---
Sleeve | Copper alloy | 0.7 µm min. Gold over 0.1 µm min. Copper underlay
Internal Clip | Beryllium Copper | 0.7 µm min. Gold over 0.1 µm min. Copper underlay
Spring | Beryllium Copper | 0.7 µm min. Gold over 0.1 µm min. Copper underlay
Unlock Axis | Stainless Steel type 303 | Passivated
Washer | Beryllium Copper | 0.7 µm min. Gold over 0.1 µm min. Copper underlay

**SAVERS FAST LOCKING - 340108504B**

Used when the connector on panel is fixed with the standard ESCC 340108503 female variants

- Locking Force: 15N max
- Kit consists of 1 bushing and 1 washer
- Order 2 per connector

C&K Part Number: **C115366-2394**

**COMPONENT** | **MATERIAL** | **FINISH**
--- | --- | ---
Sleeve | Copper alloy | 0.7 µm min. Gold over 0.1 µm min. Copper underlay
Internal Clip | Beryllium Copper | 0.7 µm min. Gold over 0.1 µm min. Copper underlay
Spring | Beryllium Copper | 0.7 µm min. Gold over 0.1 µm min. Copper underlay
Unlock Axis | Stainless Steel type 303 | Passivated
Washer | Beryllium Copper | 0.7 µm min. Gold over 0.1 µm min. Copper underlay

Dimensions shown in: mm
Specifications and dimensions subject to change

www.ckswitches.com
HYBRID SAVERS FAST LOCKING - 340108505B

Used when the connector on panel is fixed with the standard ESCC 3401022 female variants

- Torque value: 3.55±0.25 cm.daN
- Kit consists of 1 bushing
- Order 2 per connector

C&K Part Number: C115366-2395
ESA/ESCC Description: 340108505B

<table>
<thead>
<tr>
<th>COMPONENT</th>
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<th>FINISH</th>
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<tbody>
<tr>
<td>Sleeve</td>
<td>Copper alloy</td>
<td>0.7 µm min. Gold over 0.1 µm min. Copper underlay</td>
</tr>
<tr>
<td>Internal Clip</td>
<td>Beryllium Copper</td>
<td>0.7 µm min. Gold over 0.1 µm min. Copper underlay</td>
</tr>
</tbody>
</table>

SECURITY PIN - 340108506B (FOR MALE FAST LOCK 340108501B & 340108502B)

The security pin shall be released using the standard D*MA extraction tool

- Kit consists of 1 pin

C&K Part Number: C115366-2397
ESA/ESCC Description: 3401085026

<table>
<thead>
<tr>
<th>COMPONENT</th>
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<tbody>
<tr>
<td>Security Pin</td>
<td>Copper alloy</td>
<td>1.27 µm min. Gold over 0.1 µm min. Copper underlay</td>
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</tbody>
</table>
ACCESSORY - UNLOCK TOOL #1

Used to unlock Male Fast Locking 340108501B and 340108502B

C&K Part Number: **C274-8815-000**

ESA/ESCC Description: **FAST LOCK-UNLOCK TOOL-01**

---

ACCESSORY - UNLOCK TOOL #2

Used to unlock Savers Fast Locking 340108504B

C&K Part Number: **C274-8815-009**

ESA/ESCC Description: **FAST LOCK-UNLOCK TOOL-02**

Dimensions shown in: mm
Specifications and dimensions subject to change

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January 2017

HDS A11 D-SUB Fast Locking - Rev A