The Y-Lock connector family is combining a space saving and process securing design with smart and reliable technology. The connector system is designed for applications with tough requirements. Now available in three different versions, Y-Lock is able to fulfill a large spectrum of tasks in regard to mechanical, climatic and electrical specifications.

### APPLICATION

- **Clockspring in the steering wheel**
  - Y-LOCK VERSION 1
- **Connection camera in mirrors**
  - Y-LOCK VERSION 1
- **Infotainment system, Connection CD drive**
  - Y-LOCK VERSION 2
- **Connection electronics in the shift knob**
  - Y-LOCK VERSION 2
- **Battery management systems**
  - Y-LOCK VERSION 3

### ADVANTAGE

- **Simple locking**
- **Automatic plugging and locking possible**
- **Safe plug-in system, easy locking without additional closing of a lock (the removal is just as easy)**
- **Blind Mating with tolerance compensation**
- **Double locking function, guiding of FFC, Qualification based on LV214**

<table>
<thead>
<tr>
<th>Y-LOCK VERSION 1</th>
<th>Y-LOCK VERSION 2</th>
<th>Y-LOCK VERSION 3</th>
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</thead>
<tbody>
<tr>
<td><strong>Explanation</strong></td>
<td><strong>Additional stiffener is assembled mechanically on the FFC. Locking function between stiffener and connector. Poka-Yoke system prevents the FFC from being inserted in the wrong direction. The use of the stiffener is guiding the FFC during insertion.</strong></td>
<td><strong>Same as version 2 but with double locking function based on frontal and lateral hooks.</strong></td>
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<tr>
<td><strong>Version &amp; Pin Count</strong></td>
<td><strong>0.5mm Pitch, 180° with 18 or 50 pins</strong></td>
<td><strong>1mm pitch, 90° with 20 pins or 2mm pitch, 90° with 10 pins</strong></td>
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<tr>
<td><strong>1mm pitch in 90° and 180° with 12,14,16,18,20,22,24,26,28,30 pins</strong></td>
<td><strong>0,5mm pitch in 90° and 180° with 30 pins</strong></td>
<td><strong>1mm pitch in 90° with 20 pins or 2mm pitch, 90° with 10 pins</strong></td>
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