ABB i-bus® KNX Combi Switch Actuators
Switch to a smarter tomorrow

The new ABB i-bus® KNX Combi Switch Actuators feature 9 compact devices with high channel density and selectable switching and shading functionality optimally suited to flexible application in residential projects.

Flexibility combined with compact design
The new ABB i-bus® KNX Combi Switch Actuators offer switching and shading functionality with two channels per module width, doubling the space available in the distribution board.

Ideal for applications in residential projects, ABB i-bus® KNX Combi Switch Actuators respond to dynamic requirements enabling subsequent changes in functionality at any time. They also deliver additional levels of safety, with the option to disable manual operation, which protects against unauthorized access.

With its large selection of currents and wide range of channels the Combi Switch Actuators offer the highest flexibility on the market. Developed and manufactured in Germany to highest quality standards the KNX Switch Actuator range is tailored for diverse project requirements in today’s buildings.

Benefits
• Selectable switching and shading functionality
• High channel density: 2 switching outputs or 1 shutter output per module width
• Suitable for multi-phase operation
• Simplified commissioning thanks to template pages
• Easy commissioning thanks to template pages and central group objects

Combi Switch Actuators
Flexible and space-saving

Flexible switching and shading
Efficiency
Safety & Usability
## Selection table

<table>
<thead>
<tr>
<th>Products</th>
<th>6 A</th>
<th>10 A</th>
<th>16 A</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/4-fold Switch/Shutter Actuator</td>
<td>SAH/S 8.6.7.1 2CDG110244R0011</td>
<td>SAH/S 8.10.7.1 2CDG110247R0011</td>
<td>SAH/S 8.16.7.1 2CDG110250R0011</td>
</tr>
<tr>
<td></td>
<td>SAH/S 8.16.7.1 2CDG110245R0011</td>
<td>SAH/S 8.16.7.1 2CDG110248R0011</td>
<td>SAH/S 8.16.16.7.1 2CDG110251R0011</td>
</tr>
<tr>
<td>16/8-fold Switch/Shutter Actuator</td>
<td>SAH/S 16.6.7.1 2CDG110246R0011</td>
<td>SAH/S 16.10.7.1 2CDG110249R0011</td>
<td>SAH/S 16.16.7.1 2CDG110252R0011</td>
</tr>
<tr>
<td>24/12-fold Switch/Shutter Actuator</td>
<td>SAH/S 24.6.7.1 2CDG110246R0011</td>
<td>SAH/S 24.10.7.1 2CDG110249R0011</td>
<td>SAH/S 24.16.7.1 2CDG110252R0011</td>
</tr>
</tbody>
</table>

### 6 A

- **I<sub>r</sub>** rated current (A): 6 A
- **U<sub>r</sub>** rated voltage (V): 230 V AC
- **AC1 operation** (cos φ = 0.8) DIN EN 60947-4-1: 6 A
- **AC3 operation** (cos φ = 0.45) DIN EN 60947-4-1: 6 A
- **Max. peak inrush-current Ip (150 μs)**: 200 A
- **Minimum switching capacity**: 10 mA/12 V
- **DC current switching capacity (resistive load)**: 6 A/24 V DC
- **Mechanical service life**: > 10<sup>9</sup>

### 10 A

- **I<sub>r</sub>** rated current (A): 10 A
- **U<sub>r</sub>** rated voltage (V): 230 V AC
- **AC1 operation** (cos φ = 0.8) DIN EN 60947-4-1: 10 A
- **AC3 operation** (cos φ = 0.45) DIN EN 60947-4-1: 6 A
- **Max. peak inrush-current Ip (150 μs)**: 200 A
- **Minimum switching capacity**: 100 mA/12 V
- **DC current switching capacity (resistive load)**: 6 A/24 V DC
- **Mechanical service life**: > 10<sup>9</sup>

### 16 A

- **I<sub>r</sub>** rated current (A): 16 A
- **U<sub>r</sub>** rated voltage (V): 230 V AC
- **AC1 operation** (cos φ = 0.8) DIN EN 60947-4-1: 16 A
- **AC3 operation** (cos φ = 0.45) DIN EN 60947-4-1: 6 A
- **Max. peak inrush-current Ip (150 μs)**: 200 A
- **Minimum switching capacity**: 100 mA/12 V
- **DC current switching capacity (resistive load)**: 6 A/24 V DC
- **Mechanical service life**: > 10<sup>9</sup>

---

ABB Ltd.
Electrification business
Smart Buildings business line
abb.com/lowvoltage
abb.com/buildings

We reserve the right to make technical changes or modify the contents of this document without prior notification. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in part – is forbidden without prior written consent of ABB.

Copyright © 2019 ABB
All rights reserved.