Mini contactors
Extra small for cost effective solutions
Cost effective solutions
ABB’s mini contactors are the smallest on the market. They have a 10% smaller housing compared to competitor’s products. The design has been optimized to meet the lowest space demand. This helps our customers can save space in panels and use the smallest enclosures.

Improve installation efficiency
Mini contactors are easy to install and easy to use in any position. They are designed to meet specific customer requirements when it comes to mounting and installation. The range offers different solutions for mounting: DIN rail, panel wall or soldering. The flat pin connection allows for quick and safe plug-in solutions.

Connecting links allow quick and secure motor starter combinations.

1. Mini contactors from ABB are ideally suited for applications where space is at a premium.  
2. Connecting links allow quick and secure motor starter combinations.
Energy efficiency
Mini contactors have reduced power losses and meet the market requirements for energy efficiency. The coil consumption values have been optimized to 1.4 … 3.5 W and are suitable for direct control by PLC. The wide coil voltage range can manage voltage fluctuations in applications such as batteries and railways.

Typical applications include lifts, cranes, elevators, escalators, coffee machines, washing machines, air conditioning, cooling systems, PCB boards, power supply units and door controls.
Mini contactors with many coil variants

**AC controlled coils**
Generally used for motor and heating applications which work with AC voltage

**DC controlled coils**
Mainly used as standard application for panel building, OEM machinery, projects etc.

**Interface types with DC controlled voltage coil**
Used for applications which require low power consumption

**Interface types with integrated surge suppression**
These types combine low power consumption with integrated protection against current peaks, and they are mostly used for connection to PLC outputs

**Wide range coil voltage types**
Mainly used where voltage is not stable enough e.g. for batteries and railway applications

**Technical data for main contacts**

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<tr>
<th></th>
<th>B6xx</th>
<th>B7xx</th>
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<tbody>
<tr>
<td><strong>Switching of heatings (AC-1)</strong></td>
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<tr>
<td>Rated operational current $I_e$</td>
<td>20 A</td>
<td>20 A</td>
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<tr>
<td>Rated operational power</td>
<td></td>
<td></td>
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<tr>
<td>230 V AC 3 ~</td>
<td>6.4 kW</td>
<td>8.0 kW</td>
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<tr>
<td>400 V AC 3 ~</td>
<td>11.0 kW</td>
<td>13.8 kW</td>
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|                      |      |      |
| **Switching of motors (AC-3)** |      |      |
| Rated operational current $I_e$ | 9 A | 12 A |
| Rated operational power     |      |      |
| 230 V AC 3 ~          | 2.2 kW | 3.0 kW |
| 400 V AC 3 ~          | 4.0 kW | 5.5 kW |
Global availability

The range is designed for international use and provides all major global approvals, which supports your competitiveness in different world markets. Available certificates and marks include CE, cULus, CCC, EAC and marine approvals, others on request.


3-pole and 4-pole contactors, contactor relays and reversing contactors available with:
- AC and DC coils
- Screws terminals
- Soldering pins for PCB boards
- Flat pin connection