AF Contactor Range
Connect to control
A complete solution
Backed by ABB’s global support

ABB is a $42 billion global company, focused on innovation and eco-friendliness. The ABB Group of companies operates in over 100 countries with 150,000 employees worldwide.
The latest technology
Already our standard

Years of research and field experience resulted in the new generation of AF contactors. The AF technology signifies a major advance in motor control and power switching and is standard across the entire range. ABB AF contactors help to secure reliability, improve installation efficiency and increase productivity.
Secure operation

Reliability
- AF contactor continuously monitors current and voltage during closing, holding and opening sequences
- The electronic coil ensures distinct operation while reducing chattering and humming
- Built-in surge suppression totally filters surges and eliminates clipping voltage, unlike conventional surge protection accessories

Improve installation

Efficiency
- AF contactor covers the entire offered voltage range for both AC and DC control with only 4 coils, whereas competitive brands often require up to 50 coils
- Simple solution for design planning and assembly with snap-on functionality on all accessories
- Contactors up to 96 A offer free choice of coil terminal position and take side and front-mounted auxiliary contact blocks

Increase application

Productivity
- No more welding contacts due to sags, dips or surges from the network or load
- Reduces low voltage switchgear energy losses by up to 28%
- Reduced downtime and increased service life of your operation equipment
Motor Ratings

<table>
<thead>
<tr>
<th>Range</th>
<th>Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small range</td>
<td>5-60HP @ 480V</td>
</tr>
<tr>
<td>Medium range</td>
<td>75-300HP @ 480V</td>
</tr>
<tr>
<td>Large range</td>
<td>350-900HP @ 480V</td>
</tr>
</tbody>
</table>

General Use Ratings

<table>
<thead>
<tr>
<th>Range</th>
<th>Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small range</td>
<td>25-115A @ 600V</td>
</tr>
<tr>
<td>Medium range</td>
<td>160-400A @ 600V</td>
</tr>
<tr>
<td>Large range</td>
<td>550-2700A @ 600V</td>
</tr>
</tbody>
</table>

Accessories

- Front- and side-mounted auxiliary contact blocks
- Side mounted auxiliary contact blocks with no additional width

Control Voltage with Four Coils

<table>
<thead>
<tr>
<th>Range</th>
<th>Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small range</td>
<td>24-500V AC; 20-500V DC</td>
</tr>
<tr>
<td>Medium range</td>
<td>24-500V AC; 20-500V DC</td>
</tr>
<tr>
<td>Large range</td>
<td>48-500V AC; 24-500V DC</td>
</tr>
</tbody>
</table>

AF Technology Inside

- Wide voltage range; 100-250V AC/DC is covered by a single coil
- Reliable in all networks conditions
- Built-in surge suppression
- Reduced coil consumption
- Ambient temperature -40°C … +70°C
- Compact design with multiple motor starting solutions

1 Up to two (1NO+1NC) contact auxiliary contact blocks
2 No spacing between contactors for mechanical interlock up to AF370