Example application
Star-delta starters with circuit breaker and overload protection built into the circuit breaker

Service and support from a global leader
Schneider Electric is a worldwide leader in electrical distribution, switching, and motor control.
Let us help you coordinate a complete solution for all your motor switching applications.
• Worldwide sales, service, and engineering network with customization capabilities
• Local technical support featuring product application experts and service engineers
• Highly-tailored supply chain with worldwide availability close to your production sites
• Dedicated application guide for HVAC+R, hoisting, and more
Reliable switching for all AC3 applications

Introducing the new TeSys F1000 contactor

The use of electric motors is increasing, especially in applications like HVAC-R for new constructions, and large industrial processes. In response, Schneider Electric is expanding the TeSys range of black type contactors for AC3 duty.

- TeSys F1000 model supports up to 1000 A and 670 kW, at 440 VAC
- footprint is similar to models F1400 through F190, simplifying design and installation

300+ million
More than 300 million motors are used in industry, large buildings and infrastructure globally, and 30 million new electric motors are sold each year for industrial purposes alone.

TeSys offers a wide range of accessories and accessories.

High reliability, safety, and durability

- Long mechanical and electrical life and a consistent low-voltage architecture ensure low OPEX and safer, more reliable operation
- Type 1 & 2 coordination with TeSys GV/1 motor circuit breakers, or Compact™ and Masterpact™ circuit breakers: complete protection for the motor control systems and components
- Fully tested, approved, and certified by national and international bodies: IEC, CCC, CSA, UL, etc.
- Compliant, coordinated motor control solutions: TeSys F AC3 contactors, TeSys electronic overload relays and motor circuit breakers, protection offers, plus Schneider Electric electrical distribution and automation systems and services
- Schneider Electric international manufacturer warranty is our promise of quality, providing complete piece of mind.

Simple design, installation, and maintenance

- Flexible, compatible components support your design requirements while reducing training, saving time and cost of installation, and ensuring maximum continuity of service
- Wide range of accessories and accessories
- Shared accessories across entire TeSys F AC1 and AC3 ranges
- Densely packed coil inductions are downwards and allow easy maintenance
- Same frame sizes optimises panel size and reduce assembly time

The complete range of TeSys F AC3 contactors for motor switching is complemented with the TeSys F AC1 range of power switching contactors, dedicated to wind turbine, solar, UPS, and other resistive applications. The two ranges share many of the same benefits and accessories.

TeSys F AC1 and AC3 ranges

<table>
<thead>
<tr>
<th>Contactor Type</th>
<th>DC115</th>
<th>DC110/115</th>
<th>DC110/116</th>
<th>DC120/125</th>
<th>DC120/126</th>
<th>DC120/127</th>
<th>DC120/128</th>
<th>DC120/129</th>
<th>DC120/130</th>
<th>DC120/131</th>
<th>DC120/132</th>
<th>DC120/133</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated operational current, Ie AC1≤440V AC</td>
<td>115A</td>
<td>160A</td>
<td>225A</td>
<td>275A</td>
<td>315A</td>
<td>350A</td>
<td>400A</td>
<td>500A</td>
<td>630A</td>
<td>780A</td>
<td>800A</td>
<td>1000A</td>
</tr>
<tr>
<td>Rated operational current, Ie AC3≤440V AC</td>
<td>230A</td>
<td>250A</td>
<td>315A</td>
<td>350A</td>
<td>400A</td>
<td>500A</td>
<td>635A</td>
<td>785A</td>
<td>805A</td>
<td>1000A</td>
<td>1050A</td>
<td>1260A</td>
</tr>
<tr>
<td>Rated operational voltage, Ue AC1≤440V AC</td>
<td>1000V AC</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Number of poles</td>
<td>3 &amp; 4</td>
<td>3 &amp; 4</td>
<td>3 &amp; 4</td>
<td>3 &amp; 4</td>
<td>3 &amp; 4</td>
<td>3 &amp; 4</td>
<td>3 &amp; 4</td>
<td>3 &amp; 4</td>
<td>3 &amp; 4</td>
<td>3 &amp; 4</td>
<td>3 &amp; 4</td>
<td>3 &amp; 4</td>
</tr>
<tr>
<td>Frequency limits, Hz of operational current**</td>
<td>50 &amp; 60</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Width (mm) 3P contactor</td>
<td>96SL 190,5</td>
<td>242,5</td>
<td>274</td>
<td>230</td>
<td>209</td>
<td>180</td>
<td>160</td>
<td>130</td>
<td>110</td>
<td>90</td>
<td>70</td>
<td>50</td>
</tr>
</tbody>
</table>

1. Please refer to product catalogue for rated operational current, AC3 category.
2. Source: The Institute for Industrial Productivity, Industrial Efficiency Technology Database

Ideal form, fit, and function

The TeSys F AC3 range of contactors is ideally suited to OEM and panel builders serving today’s demanding motor control applications.

The TeSys F AC3 range of contactors will satisfy all of your motor switching requirements.

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Ideal form, fit, and function

- Fast, accurate installation
- Footprint is similar to models F1400 through F190, simplifying design and installation
- Optimised size for reduced panel space

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When it comes to motor control, requirements for switching are becoming more demanding in buildings, industry, and data centre environments. Whether it’s for HVAC, hoisting, or other applications, you need contactors that you can trust will work reliably to avoid costly downtime. You also need components that meet your specificiations while providing the best features, functions, and quality.

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