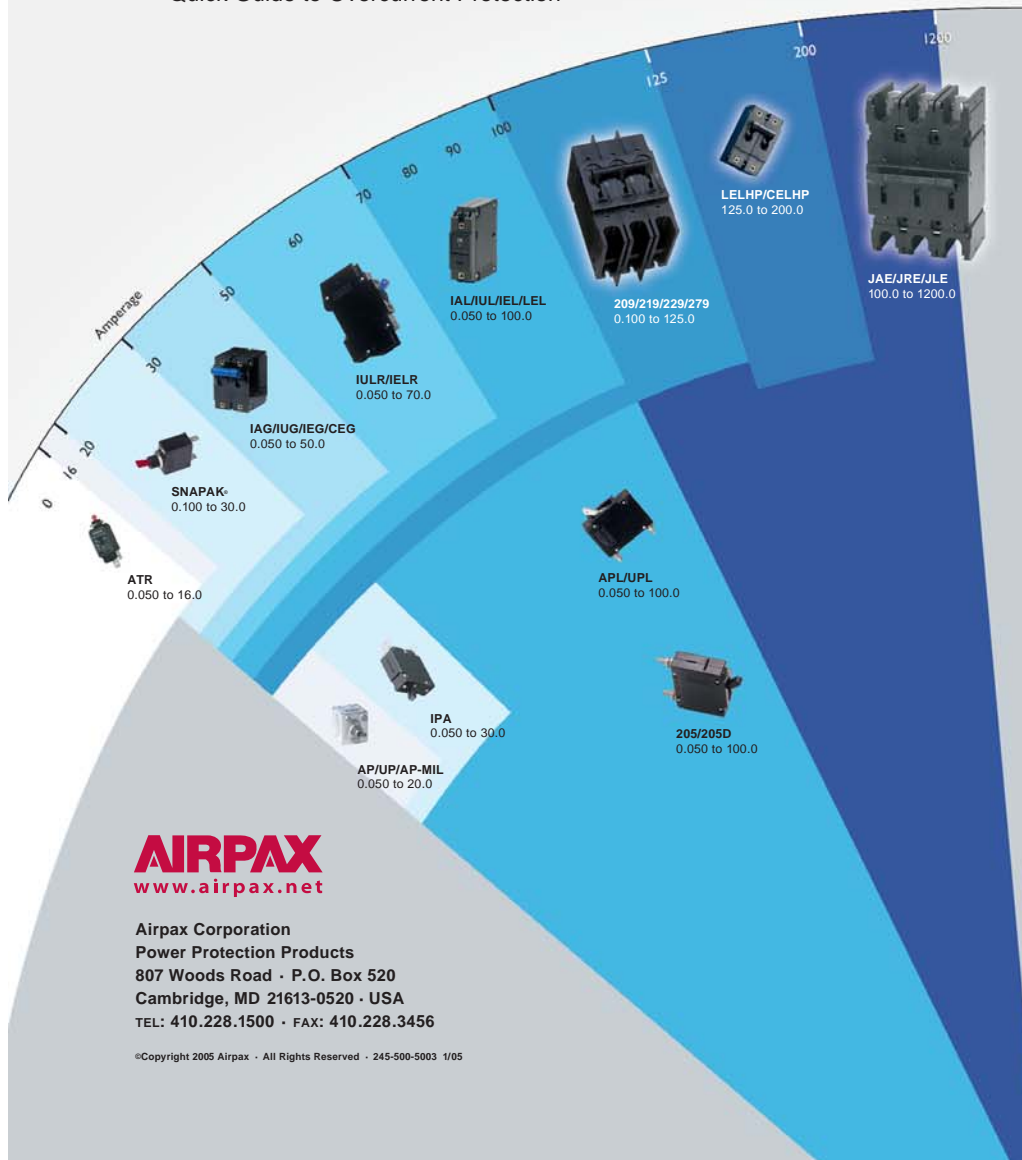


# AIRPAX

Quick Guide to Overcurrent Protection



# AIRPAX

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# AIRPAX

Power Protection Products  
Quick Product Guide



# Airpax Product Guide

## ATR



<b>General Description</b> <ul style="list-style-type: none"><li>Miniature thermal circuit breaker for equipment</li><li>Snap-acting trip mechanism increases operational life</li><li>Push-to-Reset actuation</li><li>Choice of several mounting configurations</li></ul>	<b>Max Poles</b> <ul style="list-style-type: none"><li>1</li></ul>	<b>Current and Voltage Ratings</b> <ul style="list-style-type: none"><li>0.50 to 16 amps at 240Vac, 50/60 Hz</li><li>0.50 to 16 amps at 32Vdc</li><li>0.50 to 12 amps at 24Vdc (VDE)</li></ul>	<b>Interrupting Capacity</b> <ul style="list-style-type: none"><li>8 times nominal rating &lt; 6 amps</li><li>60 amps max.</li><li>&gt;= 6 amps</li></ul>	<b>Approvals*</b> <ul style="list-style-type: none"><li>UL Recognized</li><li>CSA Certified</li><li>VDE Approved</li></ul> <p>* Consult factory for conditions of acceptability.</p>
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## LEL



<b>General Description</b> <ul style="list-style-type: none"><li>LEL versions meet IEC spacing requirements for installation in equipment that must comply with IEC 601 and 950, and VDE 0730, 0804, and 0805</li><li>Multi-pole versions with multi or single handle</li><li>Option auxiliary switch</li><li>Snap-in mounting option</li><li>Mid-trip handle option</li><li>Dual frequency option</li></ul>	<b>Max Poles</b> <ul style="list-style-type: none"><li>3</li></ul>	<b>Current &amp; Voltage Ratings</b> <ul style="list-style-type: none"><li>.050 - 100 amps, 80Vdc</li><li>.050 - 50 amps, 125Vac, 50/60Hz</li><li>.100 - 70 amps, 120/240Vac, 50/60Hz</li><li>.100 - 100 amps, 80Vdc (VDE)</li><li>.100 - 50 amps, 250Vac (VDE)</li></ul>	<b>Interrupting Capacity</b> <ul style="list-style-type: none"><li>50000 amps, 80Vdc</li><li>5000 amps, 125Vac, 120/240Vac, 50/60Hz</li><li>2000 amps, 80Vdc (VDE)</li><li>2000 amps, 250Vac, 50/60Hz (VDE)</li></ul>	<b>Approvals*</b> <ul style="list-style-type: none"><li>UL 489 Listed</li><li>CSA Certified</li><li>VDE Approved</li><li>CE Compliant</li><li>CCC Approved</li></ul> <p>* Consult factory for conditions of acceptability.</p>
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## SNAPAK®



<b>General Description</b> <ul style="list-style-type: none"><li>Compact magnetic protection</li><li>Paddle, baton, push-pull, push-to-reset and rocker actuation in choice of colors</li><li>Patented snap action mechanism increases operational life</li><li>Illuminated rocker handle with choice of colors and markings</li><li>Aesthetically pleasing for front panel mounting</li></ul>	<b>Max Poles</b> <ul style="list-style-type: none"><li>2</li></ul>	<b>Current and Voltage Ratings</b> <ul style="list-style-type: none"><li>0.10 to 7.5 amps at 50Vdc and 250Vac</li><li>0.10 to 30 amps at 32Vdc</li><li>0.10 to 30 amps at 120Vac</li><li>0.10 to 25 amps at 120/240Vac (two poles)</li><li>0.10 to 20 amps at 250Vac (50/60Hz at 500AIC)</li><li>0.10 to 20 amps at 65Vdc (two poles) 500AIC</li></ul>	<b>Interrupting Capacity</b> <ul style="list-style-type: none"><li>1000 amps</li></ul>	<b>Approvals*</b> <ul style="list-style-type: none"><li>UL Recognized</li><li>CSA Certified</li><li>VDE Approved</li><li>CE Compliant</li><li>CCC Approved</li></ul> <p>* Consult factory for conditions of acceptability.</p>
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## LELHP/CELHP



<b>General Description</b> <ul style="list-style-type: none"><li>Unique, parallel current sensing design</li><li>Compact size, high current capacity</li><li>Auxiliary switch options available</li><li>Mid-trip handle option</li></ul>	<b>Max Poles</b> <ul style="list-style-type: none"><li>1</li></ul>	<b>Current &amp; Voltage Ratings</b> <ul style="list-style-type: none"><li>125 amps, 80Vdc, paralleled poles</li><li>150 amps, 80Vdc, paralleled poles</li><li>175 amps, 80Vdc, paralleled poles</li><li>200 amps, 80Vdc, paralleled poles</li><li>250 amps, 80Vdc, paralleled poles</li></ul>	<b>Interrupting Capacity</b> <ul style="list-style-type: none"><li>10000 amps, 80Vdc</li><li>50000 amps, 65Vdc (up to 150 amps)</li><li>10000 amps, 80Vdc (&gt;150 amps)</li></ul>	<b>Approvals*</b> <ul style="list-style-type: none"><li>UL 489 Listed</li><li>UL 489A Listed</li><li>CSA Certified</li></ul> <p>* Consult factory for conditions of acceptability.</p>
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## AP/UP, AP/MIL



<b>General Description</b> <ul style="list-style-type: none"><li>OPL to MIL-PRF-39019</li><li>Sealed protection</li><li>Can withstand 1000 shock repeatedly</li><li>Tolerates 10G vibration from 10 to 2000Hz under full load</li><li>Trip point unaffected by ambient temperatures between -40°C and +100°C</li><li>Ideal for Class 1, Div. 2 groups A, B, C, D hazardous locations</li></ul>	<b>Max Poles</b> <ul style="list-style-type: none"><li>3</li></ul>	<b>Current &amp; Voltage Ratings</b> <p><b>AP Ratings</b></p> <ul style="list-style-type: none"><li>.050 to 20 amps, 240Vac, 50Vdc</li></ul> <p><b>UP Ratings (single pole only)</b></p> <ul style="list-style-type: none"><li>.050 to 20 amps, 50Vdc</li><li>.050 to 15 amps, 120Vac</li><li>.050 to 7.5 amps, 240Vac</li></ul>	<b>Interrupting Capacity</b> <p><b>AP Ratings</b></p> <ul style="list-style-type: none"><li>500 amps, 50Vdc, 120Vac</li><li>300 amps, 240Vac</li></ul> <p><b>UP Ratings</b></p> <ul style="list-style-type: none"><li>1000 amps, 50Vdc, 240Vac</li></ul>	<b>Approvals*</b> <ul style="list-style-type: none"><li>OPL to MIL-PRF-39019</li><li>UL Recognized (UP style only)</li><li>FM Approved (UP style only)</li></ul> <p>* Consult factory for conditions of acceptability.</p>
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## IALR/IULR/IELR



<b>General Description</b> <ul style="list-style-type: none"><li>IELR versions meet IEC spacing requirements for installation in equipment that must comply with IEC 601 and 950, and VDE 0730, 0804, and 0805</li><li>Designed to mount on standard 35mm DIN rails</li></ul>	<b>Max Poles</b> <ul style="list-style-type: none"><li>4</li></ul>	<b>Current &amp; Voltage Ratings</b> <ul style="list-style-type: none"><li>.050 - 70 amps, 80Vdc</li><li>.050 - 70 amps, 250Vac, 50/60Hz</li><li>.100 - 50 amps, 80Vdc (VDE)</li><li>.100 - 50 amps, 250Vac, 50/60Hz (VDE)</li><li>.100 - 30 amps, 415Vac, 50/60Hz (VDE)</li></ul>	<b>Interrupting Capacity</b> <ul style="list-style-type: none"><li>7500 amps, 80Vdc</li><li>5000 amps, 250Vac, 50/60Hz</li><li>2000 amps, 277Vac, 50/60Hz</li><li>2000 amps, 250Vac, 50/60Hz (VDE)</li><li>2000 amps, 415Vac, 50/60Hz (VDE)</li><li>4000 amps, 80Vdc (VDE)</li></ul>	<b>Approvals*</b> <ul style="list-style-type: none"><li>UL Recognized</li><li>CSA Certified</li><li>VDE Approved (IELR)</li><li>CE Compliant</li></ul> <p>* Consult factory for conditions of acceptability.</p>
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## IPA/CPA



<b>General Description</b> <ul style="list-style-type: none"><li>Compact magnetic protection</li><li>Quick-connect, screw, PC board mount terminals available</li><li>Auxiliary switch options</li><li>Multi-pole versions with multi or single handle</li></ul>	<b>Max Poles</b> <ul style="list-style-type: none"><li>3</li></ul>	<b>Current &amp; Voltage Ratings</b> <ul style="list-style-type: none"><li>0.05-30 amps, 65Vdc</li><li>0.05-20 amps, 80Vdc (300 AIC)</li><li>0.05-25 amps, 250Vac, 50/60Hz</li><li>25.1-30 amps, 240Vac, 50/60Hz</li><li>0.10-15 amps, 250Vac, 400Hz</li><li>0.05-25 amps, 65Vdc (TUV)</li><li>0.05-25 amps, 250Vac, 50/60Hz (TUV)</li><li>0.05-15 amps, 250Vac, 400Hz (TUV)</li></ul>	<b>Interrupting Capacity</b> <ul style="list-style-type: none"><li>1000 amps</li></ul>	<b>Approvals*</b> <ul style="list-style-type: none"><li>UL Recognized</li><li>CUR Recognized</li><li>TUV Certified</li><li>CE Compliant</li><li>UL 489A Listed (CPA)</li><li>CCC Approved</li></ul> <p>* Consult factory for conditions of acceptability.</p>
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## 209/219/229/279



<b>General Description</b> <ul style="list-style-type: none"><li>Front-or-back connected terminal styles</li><li>E-Frame style model complies with UL standard 489</li><li>249 Power Selector Breaker System is listed as a Branch Circuit Breaker per UL 489</li><li>Complies with International Requirements</li><li>279 style complies to UL 489A</li></ul>	<b>Max Poles</b> <ul style="list-style-type: none"><li>6</li></ul>	<b>Current &amp; Voltage Ratings</b> <ul style="list-style-type: none"><li>.100 to 100 amps, 160Vdc</li><li>.100 to 125 amps, 125Vdc</li><li>.100 to 77 amps, 600Vac</li><li>.100 to 100 amps, 347/600Vac</li><li>.100 to 100 amps, 240Vac</li><li>.100 to 100 amps, 125Vdc, 240Vac/415Vac (VDE)</li></ul>	<b>Interrupting Capacity</b> <ul style="list-style-type: none"><li>5000 amps</li><li>10000 amps</li><li>4000 (VDE)</li></ul>	<b>Approvals*</b> <ul style="list-style-type: none"><li>UL 489 Listed</li><li>UL 489A Listed (279)</li><li>UL Recognized</li><li>CSA Certified</li><li>VDE Approved</li><li>UL 1500 Certified</li><li>CE Compliant</li><li>CCC Approved (pending)</li></ul> <p>* Consult factory for conditions of acceptability.</p>
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## IAJ/IUG/IEG/CEG



<b>General Description</b> <ul style="list-style-type: none"><li>IEG versions meet IEC spacing requirements for installation in equipment that must comply with IEC 601 and 950, and VDE 0730, 0804, and 0805</li><li>Multi-pole versions with multi or single handle</li><li>Option auxiliary switch</li><li>Snap-in mounting option</li><li>Mid-trip handle option</li><li>Dual frequency option</li></ul>	<b>Max Poles</b> <ul style="list-style-type: none"><li>6</li></ul>	<b>Current &amp; Voltage Ratings</b> <ul style="list-style-type: none"><li>.050 - 50 amps, 80Vdc</li><li>.050 - 50 amps, 240Vac, 50/60Hz</li><li>.050 - 30 amps, 277Vac, 50/60Hz</li><li>.050 - 30 amps, 250Vac, 400Hz</li></ul>	<b>Interrupting Capacity</b> <ul style="list-style-type: none"><li>5000 amps, 240Vac, 50/60Hz</li><li>1500 amps, 250Vac, 400Hz</li><li>7500 amps, 60Vdc (IEG)</li><li>5000 amps, 80Vdc (CEG)</li><li>2000 amps, 250Vac, 50/60Hz (VDE)</li><li>4000 amps, 80Vdc (VDE)</li></ul>	<b>Approvals*</b> <ul style="list-style-type: none"><li>UL 489A Listed (CEG)</li><li>UL Recognized</li><li>CSA Certified</li><li>VDE Approved (IEG, CEG)</li><li>UL 1500 Certified</li><li>CE Compliant</li><li>CCC Approved</li></ul> <p>* Consult factory for conditions of acceptability.</p>
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## JAE/JRE/JTE/JLE



<b>General Description</b> <ul style="list-style-type: none"><li>F-frame style complies with UL 489</li><li>Various terminal options for design flexibility</li><li>Reduced voltage drop through the circuit breaker compared to other circuit protective devices</li><li>Auxiliary switch options</li><li>Mid-trip handle option</li></ul>	<b>Max Poles</b> <ul style="list-style-type: none"><li>6</li></ul>	<b>Current &amp; Voltage Ratings</b> <ul style="list-style-type: none"><li>UL 489<ul style="list-style-type: none"><li>.100 - 250 amps, 160Vdc</li><li>.100 - 250 amps, 65Vdc</li><li>.100 - 250 amps, 125/250Vdc</li><li>.100 - 250 amps, 240Vac</li></ul></li><li>UL 489A<ul style="list-style-type: none"><li>.275 - 800 amps, 160Vdc</li><li>.275 - 1200 amps, 65Vdc</li></ul></li></ul>	<b>Interrupting Capacity</b> <ul style="list-style-type: none"><li>10000 amps, 160Vdc</li><li>10000 amps, 125/250Vdc</li><li>65000 amps, 65Vdc</li><li>10000 amps, 240Vac</li><li>18000 amps, 240Vac</li><li>100000 amps, 65Vdc (UL 489A, up to 800A)</li></ul>	<b>Approvals*</b> <ul style="list-style-type: none"><li>UL 489 Listed</li><li>UL 489A Listed</li><li>UL 1077 Recognized</li><li>CSA Certified</li></ul> <p>* Consult factory for conditions of acceptability.</p>
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## APL/IJPL



<b>General Description</b> <ul style="list-style-type: none"><li>Circuit protection combines with ON-OFF switching</li><li>Multi-pole assemblies available with a mix of current ratings, delays and configurations</li><li>OPL to MIL-PRF-55629</li></ul>	<b>Max Poles</b> <ul style="list-style-type: none"><li>9</li></ul>	<b>Current &amp; Voltage Ratings</b> <ul style="list-style-type: none"><li>.050 - 20 amps, 277Vac</li><li>.050 - 50 amps, 250Vac</li><li>.050 - 100 amps, 65Vdc</li></ul>	<b>Interrupting Capacity</b> <ul style="list-style-type: none"><li>5000 amps, 65Vdc (50 amp max. rating)</li><li>5000 amps, 250Vac (50 amp max. rating)</li><li>5000 amps, 277Vac (20 amp max. rating)</li></ul>	<b>Approvals*</b> <ul style="list-style-type: none"><li>UL Recognized</li><li>CSA Certified</li><li>OPL to MIL-PRF-55629</li><li>CE Compliant</li></ul> <p>* Consult factory for conditions of acceptability.</p>
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## MDS



<b>General Description</b> <ul style="list-style-type: none"><li>Modular design provides unprecedented flexibility</li><li>"Hot Plug" modules allow for equipment expansion without power shutdown</li><li>Unique alarm conductors simplify signal wiring</li><li>Modular load terminals available with top or rear access</li></ul>	<b>Max Positions</b> <ul style="list-style-type: none"><li>20</li></ul>	<b>Current &amp; Voltage Ratings</b> <ul style="list-style-type: none"><li>Max. load bus rating per position is 100 amps, 125Vdc</li></ul>		
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## 205/295/205D



<b>General Description</b> <ul style="list-style-type: none"><li>Dust proof enclosure</li><li>Tongue and groove construction provides overlapping closure</li><li>Barrier styles available for multi-pole units</li><li>Ideal for harsh environments</li></ul>	<b>Max Poles</b> <ul style="list-style-type: none"><li>9</li></ul>	<b>Current &amp; Voltage Ratings</b> <ul style="list-style-type: none"><li>5000 - 30 amps, 277/480Vac</li><li>.050 - 60 amps, 250Vac, 65Vdc</li><li>.050 - 100 amps, 65Vdc</li></ul>	<b>Interrupting Capacity</b> <ul style="list-style-type: none"><li>5000 amps, 250Vac, 65Vdc</li><li>3000 amps, 65Vdc</li><li>1500 amps, 277/480Vac (30 amp max.)</li><li>5000 amps, 277/480Vac with 125 amp series fuse</li></ul>	<b>Approvals*</b> <ul style="list-style-type: none"><li>UL Recognized</li><li>CSA Certified</li><li>VDE Approved (IEL)</li><li>CE Compliant</li><li>CCC Approved</li></ul> <p>* Consult factory for conditions of acceptability.</p>
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## JPBD/LPBD



<b>General Description</b> <ul style="list-style-type: none"><li>Ideal for disconnecting system batteries in emergency/maintenance situations</li><li>Disconnect and overcurrent protection</li><li>Completely front accessible enclosure</li><li>Manual and remote disconnect capability</li><li>Wall, rack or battery stand mounting</li><li>Optional LED indication of power on, off and/or tripped condition</li><li>Optional alarm circuit</li></ul>	<b>Max Poles</b> <ul style="list-style-type: none"><li>6</li></ul>	<b>Current &amp; Voltage Ratings</b> <p><b>JPBD Ratings</b></p> <ul style="list-style-type: none"><li>.100 to 1200 amps, 65Vdc</li><li>.100 to 800 amps, 160Vdc</li></ul> <p><b>LPBD Ratings</b></p> <ul style="list-style-type: none"><li>.60 to 100 amps, 80Vdc</li><li>.125 to 200 amps, 65Vdc</li></ul>	<b>Interrupting Capacity</b> <p><b>JPBD Ratings</b></p> <ul style="list-style-type: none"><li>50000 amps, 65Vdc</li><li>10000 amps, 65Vdc</li></ul> <p><b>LPBD Ratings</b></p> <ul style="list-style-type: none"><li>50000 amps, 80Vdc</li><li>50000 amps, 65Vdc</li></ul>	<b>Approvals</b> <ul style="list-style-type: none"><li>UL Listed under UL file E20375 (JPBD only)</li></ul>
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## IAL/IJUL/IEL



<b>General Description</b> <ul style="list-style-type: none"><li>IEL versions meet IEC spacing requirements for installation in equipment that must comply with IEC 601 and 950 and VDE 0730, 0804, and 0805</li><li>Multi-pole versions with multi or single handle</li><li>Option auxiliary switch</li><li>Snap-in mounting option</li><li>Mid-trip handle option</li><li>Dual frequency option</li></ul>	<b>Max Poles</b> <ul style="list-style-type: none"><li>6</li></ul>	<b>Current and Voltage Ratings</b> <ul style="list-style-type: none"><li>.050-100 amps, 65Vdc</li><li>.050 - 70 amps, 80Vdc</li><li>.050 - 70 amps, 240Vac, 50/60Hz</li><li>.050 - 50 amps, 277Vac, 50/60Hz</li><li>.050 - 50 amps, 277/480Vac, 50/60Hz</li><li>.050 - 50 amps, 250Vac, 400Hz</li></ul>	<b>Interrupting Capacity</b> <ul style="list-style-type: none"><li>5000 amps, 240Vac, 50/60Hz</li><li>1500 amps, 250Vac, 400Hz</li><li>7500 amps, 80Vdc</li><li>2000 amps, 240Vac, 50/60Hz (VDE)</li><li>2000 amps, 415Vac, 50/60Hz (VDE)</li><li>4000 amps, 80Vdc (VDE)</li><li>1200 amps, 277/480Vac</li></ul>	<b>Approvals*</b> <ul style="list-style-type: none"><li>UL Recognized</li><li>CSA Certified</li><li>VDE Approved (IEL)</li><li>UL 1500 Certified</li><li>CE Compliant</li><li>CCC Approved</li></ul> <p>* Consult factory for conditions of acceptability.</p>
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