

# 香港永旭国际有限公司

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# 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, 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, 250Vac, 50/60Hz (&gt;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>QPL to MIL-PRF-39019</li> <li>Sealed protection</li> <li>Can withstand 100G 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>AP Ratings</p> <ul style="list-style-type: none"> <li>.050 to 20 amps, 240Vac, 50Vdc</li> </ul> <p>UP Ratings (single pole only)</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>AP Ratings</p> <ul style="list-style-type: none"> <li>500 amps, 50Vdc, 120Vac</li> <li>300 amps, 240Vac</li> </ul> <p>UP Ratings</p> <ul style="list-style-type: none"> <li>1000 amps, 50Vdc, 240Vac</li> </ul>	<b>Approvals*</b> <ul style="list-style-type: none"> <li>QPL 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</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, 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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IAG/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, 80Vdc (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</li> <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> <li>UL 489A</li> <li>.275 - 800 amps, 160Vdc</li> <li>.275 - 1200 amps, 65Vdc</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/ULPL



<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>QPL 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>QPL to MIL-PRF-55629</li> <li>CE Compliant</li> </ul> <p>* Consult factory for conditions of acceptability.</p>
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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>.050 - 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>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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IAL/IUL/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, 250Vac, 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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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>JPBD Ratings</p> <ul style="list-style-type: none"> <li>.100 to 1200 amps, 65Vdc</li> <li>.100 to 800 amps, 160Vdc</li> </ul> <p>LPBD Ratings</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>JPBD Ratings</p> <ul style="list-style-type: none"> <li>50000 amps, 65Vdc</li> <li>10000 amps, 160Vdc</li> </ul> <p>LPBD Ratings</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 E220375 (JPBD only)</li> </ul>
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