**SUB-MINIATURE THERMOSTATS**

<table>
<thead>
<tr>
<th>Product</th>
<th>Family Details</th>
<th>Description</th>
<th>Poles</th>
<th>Current &amp; Voltage Rating</th>
<th>Operating Temperature</th>
<th>Approvals</th>
</tr>
</thead>
<tbody>
<tr>
<td>6600 Series</td>
<td>N/A</td>
<td>• Sub-miniature bimetal thermostat  • 8-PIN DIP package configuration  • Snap-acting trip mechanism  • Increases operational life</td>
<td>SPST</td>
<td>• 0.5A max at 48VDC 20,000 cycles  • 0.001A max at 5VDC 100,000 cycles (gld)</td>
<td>40°C to 130°C (104°F to 266°F)</td>
<td>cPRUs VDE approved</td>
</tr>
<tr>
<td>6700 Series</td>
<td>N/A</td>
<td>• Sub-miniature bimetal thermostat  • TO-220 package configuration  • Snap-acting trip mechanism increases operational life  • VDE approved “P” version</td>
<td>SPST</td>
<td>• 0.5A max at 48VDC 20,000 cycles  • 0.001A max at 5VDC 100,000 cycles (gld)</td>
<td>40°C to 130°C (104°F to 266°F)</td>
<td>cPRUs VDE (“P” option)</td>
</tr>
</tbody>
</table>

**CIRCUIT BREAKERS AND POWER SWITCHES**

<table>
<thead>
<tr>
<th>Product</th>
<th>Family Details</th>
<th>Description</th>
<th>Poles</th>
<th>Current &amp; Voltage Rating</th>
<th>Interrupting Capacity</th>
<th>Approvals</th>
</tr>
</thead>
<tbody>
<tr>
<td>IAR Series</td>
<td>IAR, IUR, IER, CUR, DER</td>
<td>• 1U (1 RU) hydraulic magnetic circuit breaker  • Low-profile design  • Auxiliary switch options available for alarm signaling</td>
<td>1-2</td>
<td>• 50A max at 80 VDC / 250 VAC  • 30A max, 120/240VAC (2 poles)</td>
<td>• 5000A, 565VDC  • 5000A, 80VDC  • 2000A, 250VAC  • 5000A, 120/240VAC (2 poles)  • 5000A, 80VDC (2 poles)</td>
<td>• UL recognized  • UL1077 recognized  • UL489A listed  • TUV approved</td>
</tr>
<tr>
<td>SNAPAK®</td>
<td>N/A</td>
<td>• Compact magnetic-hydraulic circuit protector  • Aesthetically pleasing for front panel mounting  • Toggle, rocker, push-pull and push-to-reset actuation options</td>
<td>1-2</td>
<td>• 7.5A max at 50 VDC / 250 VAC  • 30A max at 32 VDC / 120 VAC  • 25A max at 120/240 VAC (two poles)  • 20A max at 250 VAC (50/60 Hz, at 500AIC)  • 20A max at 65 VDC (two poles, at 50AIC)</td>
<td>1000A</td>
<td>• UL recognized  • CSA certified  • TUV approved  • CE compliant  • CCC approved</td>
</tr>
<tr>
<td>AP Series</td>
<td>AP, AP-MIL, UP</td>
<td>• GPL to MIL-PRF-39019  • Sealed magnetic-hydraulic circuit protection  • Can withstand 100G shock repeatedly  • Ideal for use in Class 1, Div. 2 Groups A, B, C &amp; D hazardous locations</td>
<td>1-3</td>
<td>• 20A max at 50 VDC  • 15A max at 120 VAC  • 7.5A max at 240 VAC</td>
<td>1000A</td>
<td>• UL489A listed (CPA)  • UL recognized  • CUR recognized  • TUV certified  • CE compliant  • CCC approved (pending)</td>
</tr>
<tr>
<td>IPA Series</td>
<td>IPA, CPA</td>
<td>• Compact magnetic-hydraulic circuit protection  • Quick-connect, screw, PC board mount terminals  • Auxiliary switch options  • Multi-pole options with multi or single handle</td>
<td>1-3</td>
<td>• 30A max at 65 VDC / 240 VAC  • 20A max at 80 VDC (300 AIC)  • 25A max at 250 VAC, 50/60 Hz  • 15A max at 250 VAC, 400 Hz  • 25A max at 65 VDC / 250 VAC, (TUV)  • 15A max at 250 VAC, 400 Hz (TUV)</td>
<td>1000A</td>
<td>• UL489 listed (LEG)  • UL489 listed (CEG)  • UL recognized  • CSA certified  • TUV approved  • CE compliant  • CCC approved  • UL1500 certified  • QPL to MIL-PRF-55629</td>
</tr>
<tr>
<td>IAG Series</td>
<td>IAG, IUG, IEG, IDG, CEG, LEG</td>
<td>• IEG versions meet IEC spacing requirements for installation in equipment that must comply with IEC 601 and 950, and VDE 0730, 0804 and 0805  • Multi-pole options with multi or single handle  • Auxiliary switch options  • Mid-trip handle option  • Snap-in mounting option  • Dual frequency delay options</td>
<td>1-4</td>
<td>• 50A max at 80 VDC  • 50A max at 240 VAC  • 30A max at 277 VAC, 50/60 Hz  • 30A max at 250 VAC, 400 Hz  • 30A max at 125 VAC, 50/60 Hz  • 30A max at 120/240 VAC, 50/60 Hz</td>
<td>• 5000A, 240 VAC, 50/60 Hz  • 1500A, 250 VAC, 400 Hz  • 7500A, 80 VDC (IEC)  • 5000A, 80 VDC (CEG)  • 2000A, 250 VAC, 50/60 Hz (VDE)  • 4000A, 80 VDC (VDE)  • 5000A, 125 VAC, 50/60 Hz (LEG)  • 5000A, 120/240 VAC, 50/60 Hz (LEG)</td>
<td>• UL489 listed (LEG)  • UL489 listed (CEG)  • UL recognized  • CSA certified  • TUV approved  • CE compliant  • CCC approved  • UL1500 certified  • QPL to MIL-PRF-55629</td>
</tr>
<tr>
<td>LUX Series</td>
<td>IAX, LX, EX</td>
<td>• Low depth to minimize PDU intrusion into equipment rack space  • 240VAC rating on a single pole further minimizes space requirements  • 5 kAIC and 10 kAIC versions available</td>
<td>1-2</td>
<td>30A max at 240VAC, 50/60 Hz</td>
<td>5,000A, 240VAC, 50/60 Hz  • 15,000A 240VAC (two poles)  • 10,000A 240VAC, 50/60 Hz</td>
<td>UL 489 Listed IEC 60947-2 (pending)</td>
</tr>
</tbody>
</table>
| LEGA Series | LEGA, LMG, LEGA, LMGa | LEGA is a new “low depth” version of our standard IAG series hydraulic magnetic circuit breaker | 1-3 | • 50A max at 80 VDC  • 50A max at 240 VAC  • 30A max at 250 VAC, 50/60 Hz  • 30A max at 125 VAC, 50/60 Hz  • 30A max at 120/240 VAC, 50/60 Hz | • 5000A, 240 VAC, 50/60 Hz  • 1500A, 250 VAC, 400 Hz  • 7500A, 80 VDC (IEG)  • 5000A, 80 VDC (CEG)  • 2000A, 250 VAC, 50/60 Hz (VDE)  • 4000A, 80 VDC (VDE)  • 5000A, 125 VAC, 50/60 Hz (LEG)  • 5000A, 120/240 VAC, 50/60 Hz (LEG) | • UL489 listed (LEG)  • UL489 listed (CEG)  • UL recognized  • CSA certified  • VDE approved  • CE compliant  • CCC approved  • UL1500 certified  • QPL to MIL-PRF-55629
MODULAR DISTRIBUTION SYSTEMS

Product | Family Details | Description | Positions | Current & Voltage Rating | Interrupting Capacity | Approvals (Consult Sensata for Relevant Approval Conditions)
---|---|---|---|---|---|---
MDS2 Series | 273 | Modular Distribution System provides unprecedented flexibility. *Hot Plug* modules allow for equipment expansion without power shutdown. Unique alarm conductors simplify signal wiring. Modular load terminals available with front or rear access. | 4 to 24 | Maximum load bus rating per position is 100 amps, 125VDC | | See Airpax™ IEL series
See Airpax™ IEL series

GROUND FAULT PROTECTION SENSING

Product | Family Details | Description | Poles | Current & Voltage Rating | Interrupting Capacity | Approvals (Consult Sensata for Relevant Approval Conditions)
---|---|---|---|---|---|---
PGFM Series | N/A | GFC sensing module designed to operate in tandem with the LEL series circuit breaker with a short voltage trip and auxiliary switch. Manufactured by North Shore Safety, Ltd., a leader in innovative safety products. Automatic and manual reset configurations. Power and fault status indicators. Double insulated user interface. | 4 to 24 | Ground Trip Current: 4 to 6 mA, Trip Time, Combined Assembly: ≤ 25 mS, Rated Voltage: 1200 VAC or 240 VAC, 50/60 Hz Let-Go Voltage: 80% of supply voltage. | | See Airpax™ IEL series
UL 943, Class A or UL 1053 Class A

**IAL Series**
- IEL versions meet IEC spacing requirements for installation in equipment that must comply with IEC 601 and 950 and VDE 0730, 0804 and 0805.
- Multi-pole options with multi or single handle
- Auxiliary switch options
- Snap-in mounting option
- Mid-trip handle option
- Various actuator options
- Dual frequency delay options

**Current & Voltage Rating**
- 100A max at 65 VDC
- 70A max at 80 VDC
- 50A max at 250VDC
- 50A max at 300VDC
- 70A max at 277/480 VAC, 50/60 Hz
- 50A max at 250 VAC, 400 Hz

**Interrupting Capacity**
- 5000A, 240 VAC, 50/60 Hz
- 1500A, 250 VAC, 400 Hz
- 7500A, 80 VDC
- 2000A, 240 VAC, 50/60 Hz (VDE)
- 2000A, 415 VAC, 50/60 Hz (VDE)
- 4000A, 80 VDC (VDE)
- 1200A, 277/480 VAC, 50/60 Hz
- 5000A, 250VDC
- 1000A, 300VDC

**Approvals**
- UL recognized
- CSA certified
- VDE approved (IEL)
- CE compliant (IEL)
- CCC approved
- UL 1500 certified
- OPL to MIL-PRF-55629

**LEL Series**
- LEL versions meet IEC spacing requirements for installation in equipment that must comply with IEC 601 and 950 and VDE 0730, 0804 and 0805.
- Multi-pole options with multi or single handle
- Auxiliary switch options
- Snap-in mounting option
- Mid-trip handle option
- Various actuator options
- Dual frequency delay options

**Current & Voltage Rating**
- 100A max at 80 VDC
- 50A max at 125 VAC, 50/60 Hz
- 80A max at 120/240 VAC, 50/60 Hz
- 100A max at 80 VDC (VDE)
- 50A max at 250 VAC (VDE)

**Interrupting Capacity**
- 50000A, 65VDC
- 10000A, 240 VAC (up to 150 amps)
- 10000A, 65VDC (> 150 amps)

**Approvals**
- UL 489 listed
- UL 489A listed
- CSA certified

**LELP Series**
- Unique, parallel current sensing design
- Compact size, high current capacity
- Auxiliary switch options
- Mid-trip handle option

**Current & Voltage Rating**
- 125A at 80VDC
- 150A at 80VDC
- 175A at 80VDC
- 200A at 80VDC
- 250A at 80VDC
- 251A to 300A at 80VDC††

**Interrupting Capacity**
- 10000A, 80 VDC
- 50000A, 65 VDC (VDE)

**Approvals**
- UL 489 listed
- UL 489A listed
- CE compliant

**IELR Series**
- Meets IEC spacing requirements for installation in equipment that must comply with IEC 601 and 950, and VDE 0730, 0804 and 0805.
- Designed to mount on standard 35mm DIN rails

**Current & Voltage Rating**
- 70A max at 80 VDC
- 70A max at 250 VAC, 50/60 Hz
- 50A max at 80 VDC (VDE)
- 50A max at 250 VAC, 50/60 Hz (VDE)
- 30A max at 415 VAC, 50/60 Hz (VDE)

**Interrupting Capacity**
- 7500A, 80 VDC
- 5000A, 250 VAC, 50/60 Hz
- 2000A at 250 VAC, 50/60 Hz (VDE)
- 2000A at 415 VAC, 50/60 Hz (VDE)
- 4000A at 80 VDC (VDE)

**Approvals**
- UL recognized
- CSA certified
- VDE approved (IELR)
- CE compliant

**209 Series**
- Front or back connected terminal styles
- E-frame style model complies with UL 489
- Dual frequency delay options
- Complies with international requirements
- 279 complies with UL 489A

**Current & Voltage Rating**
- 100A max at 160 VDC
- 125A max at 125 VDC
- 77A max at 600 VAC
- 100A max at 347/690 VAC
- 100A max at 120, 240, 277, 480 VAC
- 100A max, 125 VDC, 240/415 VAC (VDE)

**Interrupting Capacity**
- 5000A
- 10000A
- 4000A (VDE)

**Approvals**
- UL 489 listed
- UL 489A listed (279)
- UL recognized
- CSA certified
- VDE approved
- UL1500 certified
- CCC approved
- CE compliant

**JAE Series**
- F-frame style complies with UL 489
- Various terminal options for design flexibility
- Reduced voltage drop through the circuit breaker compared to other protective devices
- Auxiliary switch options
- Mid-trip handle options

**Current & Voltage Rating**
- UL 489
- 100A to 258A at 160 VDC
- 100A to 258A at 65 VDC
- 100A to 258A at 125/250 VDC
- 100A to 258A at 240 VAC
- UL489A
- 275A to 800A at 160 VDC
- 275A to 1200A at 65 VDC

**Interrupting Capacity**
- 10000A, 160 VDC
- 10000A, 125/250 VDC
- 65000A, 65 VDC
- 10000A, 240 VAC
- 18000A, 240 VAC
- 10000A, 250 VAC, 50/60 Hz (VDE)
- 10000A, 80 VDC (VDE)

**Approvals**
- UL 489 listed
- UL 489A listed
- UL recognized
- CSA certified
- VDE approved
- UL1500 certified
- CCC approved
- CE compliant
ABOUT US

Sensata Technologies is one of the world’s leading suppliers of sensing, electrical protection, control and power management solutions with operations and business centers in twelve countries. Sensata’s products improve safety, efficiency and comfort for millions of people every day in automotive, appliance, aircraft, industrial, military, heavy vehicle, heating, air-conditioning and ventilation, data, telecommunications, recreational vehicles and marine applications. For more information, please visit the Sensata website.

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