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</table>
ISO 9001 certified, Sensata Technologies is a global leader in providing world-class customer service, leading-edge technology innovation, and continuous improvement in every product and service we offer to our customers.

With strategic partnerships with North Shore Safety Ltd, Sensata Power Protection provides your company with an unprecedented offering of high quality components and integration systems at reasonable cost to you.

Our products include hydraulic-magnetic circuit breakers and protectors, thermal circuit protectors, bimetal thermostats, temperature sensors, DC to AC inverters, speed and position sensors, fuses, power switches, ground fault circuit interrupters, and modular distribution systems.

Our products are found in many of today’s global markets, including telecommunications, industrial, recreational vehicles, HVAC-R, marine, military, medical, information processing, electronic power supply, power generation, over-the-road trucks, construction, agricultural, and alternative energy applications.

Sensata strives for constant improvement for the environment as well. Sensata has significantly lessened its impact on the environment through environmental management systems including recycling, waste prevention, pollution prevention, water use reduction programs and community outreach programs. All Sensata manufacturing (“make”) facilities have been awarded, or are working toward ISO 14001 certification, and we are committed to meeting the RoHS “lead-free” compliance standards wherever required by our customers.
## General Description
- **AIRPAX™ 6600 & 6700 Series**
  - 8-pin DIP or TO-220 international package standard
  - Ideal for surface and air sensing on PC boards
  - RoHS compliant per EU directive 2002/95/EC
  - Gold-plated contacts
  - 30,000 life cycles @ max standard amperage
  - 100,000 life cycles @ max gold contact amperage

- **AIRPAX™ 5003 Series**
  - 1/2” button, hermetically sealed package, SPST
  - Ideal for surface and air sensing on PC boards
  - RoHS compliant per EU directive 2002/95/EC

- **AIRPAX™ 5004 Series**
  - 1/2” button, environmentally sealed
  - Ideal for applications where high amperage switching is required
  - RoHS compliant per EU directive 2002/95/EC

- **AIRPAX™ 4100 Series**
  - Brass construction, NEMA 4 & 13 (IP67), SPST
  - Available as grounded or isolated case
  - Ideal for industrial system applications in which low-cost and reliability is the priority
  - RoHS compliant per EU directive 2002/95/EC

- **AIRPAX™ 5011 Series**
  - 1/2” button, hermetically sealed package, SPST
  - Ideal for surface and immersion sensing for industrial system applications in which construction must have a hermetic seal
  - RoHS compliant per EU directive 2002/95/EC

- **AIRPAX™ 5020 Series**
  - Grounded case, stainless steel, hermetically sealed, SPST
  - Ideal for immersion sensing in industrial system applications in which construction must have a hermetic seal
  - RoHS compliant per EU directive 2002/95/EC

## Operating Switch Range
- **AIRPAX™ 6600 & 6700 Series**
  - 40ºC to 130ºC (104ºF to 266ºF)

- **AIRPAX™ 5003 Series**
  - 35ºF to 325ºF (2ºC to 163ºC)

- **AIRPAX™ 5004 Series**
  - 35ºF to 325ºF (2ºC to 163ºC)

- **AIRPAX™ 4100 Series**
  - 40ºC to 130ºC (104ºF to 266ºF)

- **AIRPAX™ 5011 Series**
  - 140ºF to 480ºF (60ºC to 249ºC)

- **AIRPAX™ 5020 Series**
  - 35ºF to 480ºF (2ºC to 249ºC)

## Approvals
- **AIRPAX™ 6600 & 6700 Series**
  - cULus recognized
  - VDE approved (upon request)

- **AIRPAX™ 5003 Series**
  - cULus recognized

- **AIRPAX™ 5004 Series**
  - cULus recognized

- **AIRPAX™ 4100 Series**
  - VDE approved

- **AIRPAX™ 5011 Series**
  - cULus recognized

- **AIRPAX™ 5020 Series**
  - VDE approved

## Max Current and Voltage Rating
- **AIRPAX™ 6600 & 6700 Series**
  - Up to 0.5 amp at 48VDC
  - 0.001 to 0.2 amp at 5VDC (gold contacts)

- **AIRPAX™ 5003 Series**
  - 5 amp at 120VAC
  - 3 amp at 240VAC / 24VDC
  - 1.5 amp at 48VDC

- **AIRPAX™ 5004 Series**
  - 15 amp at 120VAC
  - 10 amp at 240VAC

- **AIRPAX™ 4100 Series**
  - 3 amp at 32VDC, 30K cycles
  - 3 amp at 28VDC, 5K cycles

- **AIRPAX™ 5011 Series**
  - 3 amp at 120VAC / 48VDC, 30K cycles
  - 3 amp at 28VDC, 5K cycles

- **AIRPAX™ 5020 Series**
  - 15 amp at 120VAC
  - 10 amp at 240VAC
  - 1.5 amp at 48VDC
AIRPAX™ 5100 Series

General Description
• Isolated case, stainless steel, hermetically sealed, SPST
• Ideal for immersion sensing in industrial system applications in which construction must have a hermetic seal
• RoHS compliant per EU directive 2002/95/EC

Operating Switch Range
• 35ºF to 480ºF (2ºC to 249ºC)

Max Current and Voltage Rating
• 5 amp at 120VAC
• 2.5 amp at 240VAC

Approvals
• cULus recognized

KLIXON™ 3BT & 4BT Series

General Description
• Tiny Stat™ precision thermostat
• Single pole, single throw (SPST)
• Hermetically sealed and back-filled with nitrogen
• Gold-plated contacts available upon request
• 10,000 life cycles

Operating Switch Range
• 0ºF to 350ºF (-18ºC to 149ºC)

Max Current and Voltage Rating
• 1 amp at 115VAC & 30VDC
• 0.01 amp at 30mVAC & 30mVDC (gold contacts, min amps)
• 0.5 amp at 30VAC & 30VDC
• 0.2 amp at 115VAC (gold contacts, max amps)

Approvals
• MIL-PRF-24236/20
• S-311-641

KLIXON™ M1, 11041 Series

General Description
• ½” bimetal disc thermostat, hermetically sealed
• Single pole, single throw (SPST)
• High resistance to shock and vibration

Operating Switch Range
• -65ºF to 550ºF (-54ºC to 288ºC)

Max Current and Voltage Rating
• 5 amp at 30VAC & 30VDC at 100,000 cycles
• 6 amp at 125VAC at 5,000 cycles
• Other amperages, voltage, cycles are available

Approvals
• CUL recognized (#34618)

KLIXON™ M2 Series

General Description
• ½” bimetal disc thermostat, hermetically sealed
• Single pole, single throw (SPST)
• Low profile, narrow differential

Operating Switch Range
• 0ºF to 300ºF (-18ºC to 149ºC)

Max Current and Voltage Rating
• 2 amp at 120VAC & 30VDC at 250,000 cycles
• 3 amp at 125VAC & 30VDC at 50,000 cycles

Approvals
• MIL-PRF-24236/20
• S-311-641

KLIXON™ 4344 Series

General Description
• ½” bimetal disc thermostat, hermetically sealed
• Single pole, single throw (SPST)
• Many option available, including switch packaged into probe and strap mount options

Operating Switch Range
• -65ºF to 550ºF (-54ºC to 288ºC)

Max Current and Voltage Rating
• 7 amps, 30VAC/VDC at 5,000 cycles
• 3 amps, 125VAC at 50,000 cycles
• Other amperages, voltage, cycles are available

Approvals
• EUL recognized (#43618)
**BIMETAL THERMOSTATS & AIRFLOW SENSORS**

**KLIXON™ 7BT2 Series**

**General Description**
- Environmentally sealed, high capacity, ½” bimetal disc
- SPST, normally open or closed

**Operating Switch Range**
- 30°F to 400°F (-1°C to 204°C)

**Max Current and Voltage Rating**
- 10 amps, 120VAC / 240VAC
  up to 100,000 cycles
- 7 amps, 277VAC
  up to 100,000 cycles

**Approvals**
- UL & CUL recognized (#34618)

**KLIXON™ 6786 Series**

**General Description**
- Environmentally sealed, low-profile, ½” bimetal disc
- SPST, normally open or closed

**Operating Switch Range**
- -20°F to 350°F (-29°C to 177°C)

**Max Current and Voltage Rating**
- 7 amps, 30VAC/VDC at 5,000 cycles
- 3 amps, 125VAC at 50,000 cycles
- Other amperages, voltage, cycles are available

**Approvals**
- UL & CUL recognized (#34618)

**KLIXON™ Probe Packages**

**General Description**
- Extreme temperature probes (up to 550°F), fast response probes and narrow differential probes (2°F to 8°F reset differential) are available

**Operating Switch Range**
- Extreme temperature: -65°F to 550°F (-54°C to 288°C)
- Fast response: 0°F to 350°F (-18°C to 177°C)
- Narrow differential: 0°F to 275°F (-18°C to 135°C)

**Max Current and Voltage Rating**
- Extreme temperature, 28303 series only: Up to 7 amps, various voltages
  Up to 1 amp at 115VAC & 30VDC
- Narrow differential: Up to 2 amp at 125VAC & 30VDC

**Approvals**
- Extreme temperature, 28303 series only: UL / CUL recognized (#E34618)

**AIRFLOW SENSORS**

**KLIXON™ Airflow Sensors**

**General Description**
- Solid-state airflow sensors are designed to recognize loss or reduction of airflow in power supplies, data processing units, commercial and military electronic equipment
- Ideal for even the dirtiest of environments
- SPST or SPDT, normally open or closed

**Operating Temperature Range**
- 10°C to 50°C (50°F to 122°F)

**Max Current and Voltage Rating**
- 0.40 amp at 30VDC

**Approvals**
- Military
- Aerospace
- Commercial
TEMPERATURE & SPEED SENSORS

BIMETAL THERMOSTAT + TEMPERATURE SENSOR

AIRPAX™ 6024 Series

General Description
• Stainless steel or brass, epoxy sealed, SPST
• Bimetal thermostat and temperature sensor in one package
• Ideal technology combination for industrial applications where engine ports are at a premium

Max Switch Current and Voltage Rating
• 1 amp at 120VAC & 48VDC

Operating Switch Range
• 40ºC to 120ºC (104ºF to 248ºF)

Operating Sensor Range
• -40ºC to 120ºC (-40ºF to 248ºF)
• Additional sensor options available

AIRPAX™ 3000 Series

General Description
• Chose from standard stainless steel air, surface, and immersion sensor package configurations

Max Operating Sensor Range
• -40ºC to 125ºC (-40ºF to 257ºF)

Available Sensors
• Thermistors
• RTDs
• ICs

AIRPAX™ 5024 Series

General Description
• Customer specified package configurations for air, surface, and immersion sensing

Max Operating Sensor Range
• -50ºC to 300ºC (-58ºF to 572ºF)

Available Sensors
• Thermistors
• RTDs
• ICs
## AIRPAX™ IAR / IER / IUR / CER / CUR Series

**General Description**
- RU / 1RU hydraulic-magnetic circuit protection
- Snap-acting trip mechanism increases operational life
- Auxiliary switch options available for alarm signalling

<table>
<thead>
<tr>
<th>Max. Poles</th>
<th>Current and Voltage Rating</th>
<th>Interrupting Capacity</th>
<th>Approvals* (pending)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 2</td>
<td>2 to 50 amps, 80VDC &amp; 250VAC</td>
<td>• up to 5000 amps</td>
<td>• cULus</td>
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<td></td>
<td></td>
<td></td>
<td>• UL107</td>
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<td></td>
<td>• UL489A Listed</td>
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<td></td>
<td></td>
<td></td>
<td>• TUV approved</td>
</tr>
</tbody>
</table>

## AIRPAX™ T / R / PP / PR / CPP / CPR (SNAPAK®) Series

**General Description**
- Compact hydraulic-magnetic circuit protection
- Snap-acting trip mechanism increases operational life
- Aesthetically pleasing for front panel mounting
- Toggle, rocker, push-pull, push-to-reset actuation options

<table>
<thead>
<tr>
<th>Max. Poles</th>
<th>Current and Voltage Rating</th>
<th>Interrupting Capacity</th>
<th>Approvals*</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 2</td>
<td>0.10 to 7.5 amps at 50 VDC and 250 VAC</td>
<td>• 1000 amps</td>
<td>• UL 489A listed</td>
</tr>
<tr>
<td></td>
<td>0.10 to 30 amps at 32 VDC</td>
<td></td>
<td>• UL recognized</td>
</tr>
<tr>
<td></td>
<td>0.10 to 30 amps at 120 VAC</td>
<td></td>
<td>• CSA certified</td>
</tr>
<tr>
<td></td>
<td>0.10 to 25 amps at 120/240 VAC (two poles)</td>
<td></td>
<td>• TUV approved</td>
</tr>
<tr>
<td></td>
<td>0.10 to 20 amps at 250 VAC (50/60 Hz, at 500AIC)</td>
<td></td>
<td>• VDE approved</td>
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<tr>
<td></td>
<td>0.10 to 20 amps at 85 VDC (two poles) 500AIC</td>
<td></td>
<td>• CE compliant</td>
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<tr>
<td></td>
<td>0.05 to 20 amps at 50 VDC</td>
<td></td>
<td>• CCC approved</td>
</tr>
<tr>
<td></td>
<td>0.05 to 15 amps at 120 VAC</td>
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<tr>
<td></td>
<td>0.05 to 7.5 amps at 240 VAC</td>
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</table>

## AIRPAX™ AP / UP, AP-MIL Series

**General Description**
- QPL to MIL-PRF-39019
- Sealed hydraulic-magnetic circuit protection
- Can withstand 100G shock repeatedly
- Tolerates 10G vibration from 10 to 2000 Hz under full load
- Ideal for use in Class 1, Div. 2, Groups A, B, C, D hazardous locations

<table>
<thead>
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<th>Max. Poles</th>
<th>Current and Voltage Rating</th>
<th>Interrupting Capacity</th>
<th>Approvals*</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 3</td>
<td>0.05 to 20 amps at 65 VDC</td>
<td>• 1000 amps</td>
<td>• MIL-PRF-M39019</td>
</tr>
<tr>
<td></td>
<td>0.05 to 20 amps at 80 VDC and 250 VAC</td>
<td></td>
<td>• UL 489A listed</td>
</tr>
<tr>
<td></td>
<td>0.05 to 30 amps at 65 VDC</td>
<td></td>
<td>• UL recognized</td>
</tr>
<tr>
<td></td>
<td>0.05 to 25 amps at 250 VAC, 50/60 Hz</td>
<td></td>
<td>• CSA certified</td>
</tr>
<tr>
<td></td>
<td>25.1 to 30 amps at 240 VAC, 50/60 Hz</td>
<td></td>
<td>• TUV certified</td>
</tr>
<tr>
<td></td>
<td>0.10 to 15 amps at 250 VAC, 400 Hz</td>
<td></td>
<td>• CE compliant</td>
</tr>
<tr>
<td></td>
<td>0.05 to 25 amps at 250 VAC, 50/60 Hz (TUV)</td>
<td></td>
<td>• CCC approved</td>
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<tr>
<td></td>
<td>0.05 to 15 amps at 250 VAC, 400 Hz (TUV)</td>
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</tr>
</tbody>
</table>

## AIRPAX™ IPA / CPA Series

**General Description**
- Compact hydraulic-magnetic circuit protection
- Quick-connect, screw, PC board mount terminals available
- Auxiliary switch options
- Multi-pole versions with multi or single handle options

<table>
<thead>
<tr>
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<th>Current and Voltage Rating</th>
<th>Interrupting Capacity</th>
<th>Approvals*</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 3</td>
<td>0.05 to 10 amps at 50 VDC and 240 VAC</td>
<td>• 1000 amps</td>
<td>• UL recognized (CPA)</td>
</tr>
<tr>
<td></td>
<td>0.05 to 20 amps at 80 VDC and 240 VAC</td>
<td></td>
<td>• UL recognized</td>
</tr>
<tr>
<td></td>
<td>0.05 to 30 amps at 80 VDC (300 AIC)</td>
<td></td>
<td>• CUR recognized</td>
</tr>
<tr>
<td></td>
<td>0.05 to 25 amps at 250 VAC, 50/60 Hz</td>
<td></td>
<td>• TUV certified</td>
</tr>
<tr>
<td></td>
<td>25.1 to 30 amps at 240 VAC, 50/60 Hz</td>
<td></td>
<td>• CE compliant</td>
</tr>
<tr>
<td></td>
<td>0.10 to 15 amps at 250 VAC, 400 Hz</td>
<td></td>
<td>• CCC approved</td>
</tr>
<tr>
<td></td>
<td>0.05 to 25 amps at 250 VAC, 50/60 Hz (TUV)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.05 to 15 amps at 250 VAC, 400 Hz (TUV)</td>
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</tr>
</tbody>
</table>

## AIRPAX™ T / R / PP / PR / CPP / CPR (SNAPAK®) Series

**General Description**
- Compact hydraulic-magnetic circuit protection
- Snap-acting trip mechanism increases operational life
- Auxiliary switch options
- Mid-trip handle option
- Snap-in mounting option
- Dual frequency delay options

<table>
<thead>
<tr>
<th>Max. Poles</th>
<th>Current and Voltage Rating</th>
<th>Interrupting Capacity</th>
<th>Approvals*</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 6</td>
<td>0.05 to 50 amps at 80 VDC</td>
<td>• 5000 amps, 240 VAC, 50/60 Hz</td>
<td>• UL 489 listed (LEG)</td>
</tr>
<tr>
<td></td>
<td>0.05 to 50 amps at 240 VAC</td>
<td>1500 amps, 250 VAC, 400 Hz</td>
<td>• UL 489A listed (LEG)</td>
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<tr>
<td></td>
<td>0.05 to 30 amps at 277 VAC, 50/60 Hz</td>
<td>7500 amps, 80 VDC (IEG)</td>
<td>• UL recognized</td>
</tr>
<tr>
<td></td>
<td>0.05 to 30 amps at 250 VAC, 400 Hz</td>
<td>5000 amps, 80 VDC (CEG)</td>
<td>• CSA certified</td>
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<tr>
<td></td>
<td>0.05 to 30 amps at 125 VAC, 50/60 Hz</td>
<td>2000 amps, 250 VAC, 50/60 Hz (VDE)</td>
<td>• VDE approved (IEG, CEG, LEG)</td>
</tr>
<tr>
<td></td>
<td>0.05 to 30 amps at 120/240 VAC, 50/60 Hz</td>
<td>4000 amps, 80 VDC (VDE)</td>
<td>• CE compliant</td>
</tr>
<tr>
<td></td>
<td>1 to 30 amps at 125 VAC, 50/60 Hz (LEG)</td>
<td>5000 amps, 125 VAC, 50/60 Hz (LEG)</td>
<td>• CCC approved</td>
</tr>
<tr>
<td></td>
<td>1 to 30 amps at 120/240 VAC, 50/60 Hz (LEG)</td>
<td>5000 amps, 120/240 VAC, 50/60 Hz (LEG)</td>
<td>• QPL to MIL-PRF-55629</td>
</tr>
</tbody>
</table>
AIRPAX™ LEGA Series

**General Description**
- Low-depth hydraulic-magnetic circuit protection
- Same ratings as our LEG series
- Designed to minimize PDU intrusion into equipment rack space
- Meets UL60950 & EN60950 ITE requirements
- Short toggle & flat rocker actuator options
- Rear access screw terminals

**Max. Poles**
- 2

**Current and Voltage Rating**
- 1.00 to 30.0 amps at 120 VAC/240VAC
- 1.00 to 50.0 amps at 80VDC

**Interrupting Capacity**
- up to 5,000A

**Approvals**
- UL489
- UL
- TUV
- CE

---

AIRPAX™ IAL / IUL / IEL Series

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

**Max. Poles**
- 6

**Current and Voltage Rating**
- 0.05 to 100 amps at 65 VDC
- 0.05 to 79 amps at 80 VDC
- 0.05 to 50 amps at 250VDC
- 0.05 to 50 amps at 300VDC
- 0.05 to 79 amps at 240 VAC, 50/60 Hz
- 0.05 to 50 amps at 277 VAC, 50/60 Hz
- 0.05 to 50 amps at 277/480 VAC, 50/60 Hz
- 0.05 to 50 amps at 250 VAC, 400 Hz

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

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

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AIRPAX™ LEL Series

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

**Max. Poles**
- 3

**Current and Voltage Rating**
- 0.05 to 100 amps at 80 VDC
- 0.05 to 50 amps at 125 VAC, 50/60 Hz
- 0.05 to 79 amps at 120/240 VAC, 50/60 Hz
- 0.05 to 100 amps at 80 VDC (VDE)
- 0.05 to 50 amps at 250 VAC (VDE)

**Interrupting Capacity**
- 50000 amps 80 VDC
- 5000 amps, 125 VAC, 120/240 VDC 50/60 Hz
- 2000 amps, 80 VDC
- 2000 amps, 250 VAC, 50/60 Hz (VDE)

**Approvals**
- UL 489 listed
- CSA certified
- VDE approved
- CE compliant
- CCC approved

---

AIRPAX™ IULP / LELP / CELP Series

**General Description**
- Hydraulic-magnetic circuit protection
- Unique, parallel current sensing design
- Compact size, high current capacity
- Auxiliary switch options
- Mid-trip handle option

**Max. Poles**
- 1

**Current and Voltage Rating**
- 125 amps at 80 VDC
- 150 amps at 80 VDC
- 175 amps at 80 VDC
- 200 amps at 80 VDC
- 250 amps at 80 VDC
- 251 - 300 amps at 80 VDC†

**Interrupting Capacity**
- 10000 amps, 80 VDC
- 50000 amps, 85 VDC (up to 150 amps)
- 100000 amps, 80 VDC (> 150 amps)

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

† Two paralleled poles
†† Three paralleled poles

* Consult factory for conditions of acceptability
### AIRPAX™ 205 / 295 / 205D Series

**General Description**
- Hydraulic-magnetic circuit protection
- Dust proof enclosure sensing design
- Compact size, high current capacity
- Auxiliary switch options
- Mid-trip handle option

**Max. Poles**
- 9

**Current and Voltage Rating**
- 0.050 to 30 amps at 277/480 VAC
- 0.050 to 60 amps at 250 VAC
- 0.050 to 100 amps at 65 VDC

**Interrupting Capacity**
- 5000 amps, 250 VAC, 65 VDC
- 3000 amps, 65 VDC
- 1500 amps, 277/480 VAC (30 amps max. rating)
- 5000 amps, 277/480 VAC with 125 amp series fuse

**Approvals**
- UL recognized
- CSA certified
- CE compliant

### AIRPAX™ IALR / IULR / IELR Series

**General Description**
- Hydraulic-magnetic circuit protection
- Meets IEC spacing requirements for installation in equipment that must comply with IEC 601 and 950, and VDE 0804, 0805
- Designed to mount on standard 35mm DIN rails

**Max. Poles**
- 4

**Current and Voltage Rating**
- 0.050 to 70 amps at 80 VDC
- 0.100 to 50 amps at 250 VAC, 50/60 Hz
- 0.100 to 30 amps at 415 VAC, 50/60 Hz (VDE)

**Interrupting Capacity**
- 7500 amps, 80 VDC
- 5000 amps, 250 VAC, 50/60 Hz
- 3000 amps, 250 VAC, 50/60 Hz (VDE)
- 10000 amps, 65 VDC

**Approvals**
- UL recognized
- CSA certified
- VDE approved
- CE compliant

### AIRPAX™ 209 / 219 / 229 / 279 Series

**General Description**
- Hydraulic-magnetic circuit protection
- Front or back connected terminal styles
- E-frame style model complies with UL 489
- 249 Power Selector Breaker system is listed as a branch circuit breaker per UL 489
- Complies with international requirements
- 279 complies with UL 489A

**Max. Poles**
- 6

**Current and Voltage Rating**
- 0.100 to 100 amps at 160 VDC
- 0.100 to 125 amps at 65 VDC
- 0.100 to 77 amps at 600 VAC
- 0.100 to 100 amps at 240 VAC
- 0.100 to 100 amps at 120, 240, 277, 480 VAC

**Interrupting Capacity**
- 10000 amps, 160 VDC
- 5000 amps, 125/250 VDC
- 49500 amps, 65 VDC
- 10000 amps, 240 VAC
- 18000 amps, 240 VAC
- 100000 amps, 65VDC (UL489A up to 800 amps)

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

### AIRPAX™ JAE / JRE / JTE / JLE Series

**General Description**
- Hydraulic-magnetic circuit protection
- 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

**Max. Poles**
- 6

**Current and Voltage Rating**
- UL489
- 100 to 250 amps at 160 VDC
- 100 to 250 amps at 65 VDC
- 100 to 250 amps at 125/250 VDC
- 100 to 250 amps at 240 VAC

UL489A
- 275 to 800 amps at 160 VDC
- 275 to 1250 amps at 65 VDC

**Interrupting Capacity**
- 10000 amps, 160 VDC
- 10000 amps, 125/250 VDC
- 95000 amps, 65 VDC
- 100000 amps, 240 VAC
- 180000 amps, 240 VAC
- 1000000 amps, 65VDC

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

### MODULAR DISTRIBUTION SYSTEMS

### AIRPAX™ MDS & MDS2 Series

**General Description**
- The Modular Distribution System provides unprecedented system flexibility
- “Hot Plug” modules allow for equipment expansion without power shutdown
- Unique alarm conductors simplify signal wiring
- Modular load terminals available with top or rear access

**Current and Voltage Rating**
- Maximum load bus rating per position is 100 amps, 125VDC

**Max Positions**
- 20

**Approvals**
- UL recognized
- CSA certified
- CE compliant

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**Airpax™ - Circuit Breakers & Protectors**

[http://www.sensata.com/]
CIRCUIT BREAKERS & CIRCUIT PROTECTORS

KLIXON™ Arc Shield™ Series

General Description
- The Arc–Fault Circuit Interrupters (AFCI) will detect potentially hazardous arcing conditions and prevent catastrophic damage caused by electrical fires
- Hazardous arc–fault conditions can result in overheated wiring and has been shown to result in fires or cause a loss of function on the affected circuit
- Protect AC and DC electrical systems in aircraft, commercial & residential, and 42 VDC applications

KLIXON™ 2TC & 3TC Series, Aircraft Circuit Breakers

General Description
- Thermal circuit breakers
- 28VDC or 120VAC, 1 to 35 Amps
- High vibration resistance and interrupt capacity
- Ambient temperature compensation and trip-free design

Current and Voltage Rating
2TC: 1A to 25A for 4 to 16 seconds
3TC: 15A to 35A for 4 to 20 seconds

Interrupting Capacity
1-20 amps: 6,000 amps @ 28 VDC
25 amps: 1,625 amps @ 28 VDC
1-15 amps: 2,500 amps @ 120 VAC, 400 Hz
20 amps: 2,000 amps @ 120 VAC, 400 Hz
24 amps: 1,800 amps @ 120 VAC, 400 Hz

Approvals*
- Mil-qualifications
- European & SAE standards
- All U.S. and most European aircraft OEM’s qualifications

KLIXON™ 5TC Series, Aircraft Circuit Breakers

General Description
- Thermal circuit breakers
- 28VDC or 120VAC, 20 to 50 Amps
- High vibration resistance and interrupt capacity
- Ambient temperature compensation and trip-free design

Current and Voltage Rating
20A to 50A for 2 to 18 seconds

Interrupting Capacity
20 to 50 amps: 4000 amps at 28 VDC
20 to 50 amps: 2000 amps at 115 VAC, 400 Hz

Approvals*
- Mil-qualifications
- European & SAE standards
- All U.S. and most European aircraft OEM’s qualifications

KLIXON™ 6TC & 9TC Series, Three-Phase Aircraft Circuit Breakers

General Description
- Thermal circuit breakers
- 28VDC or 120VAC, 1 to 35 Amps
- Three-phase aircraft circuit breaker
- High vibration resistance and interrupt capacity
- Ambient temperature compensation and trip-free design

Current and Voltage Rating
6TC: 2A to 25A for 4 to 20 sec
9TC: 1A, 15A to 35A for 4 to 20 sec

Interrupting Capacity
2-20 amps: 2,000 amps @ 120 VAC, 400 Hz
1, 15-35 amps: 2,000 amps @ 120 VAC, 400 Hz

Approvals*
- Mil-qualifications
- European & SAE standards
- All U.S. and most European aircraft OEM’s qualifications

KLIXON™ 7274 & 7277 Series, Aircraft Circuit Breakers

General Description
- Thermal circuit breakers
- 30VDC or 120VAC, ½ to 20 Amps
- High vibration resistance and interrupt capacity
- Non-ambient temperature compensated

Current and Voltage Rating
0.5A to 20A for 2 to 20 seconds

Interrupting Capacity
½ to 5 amps: unlimited at 28 VDC
7½ to 15 amps: 2,000 amps at 28 VDC
½ to ½½ amps: unlimited at 120 VAC, 400 Hz
2 to 5 amps: 800 amps at 120 VAC, 400 Hz
7½ to 20 amps: 500 amps at 120 VAC, 400 Hz

Approvals*
- MIL-C-5809 qualified

* Consult factory for conditions of acceptability
KLIXON™ 15TC Series, Three-Phase Aircraft Circuit Breakers

**General Description**
- Thermal circuit breakers
- 28VDC or 120VAC, 20 to 50 Amps
- High vibration resistance and interrupt capacity
- Non-ambient temperature compensated
- Trip-free design

**Current and Voltage Rating**
- 20A to 50A for 10 to 70 seconds

**Interrupting Capacity**
- 20 to 50 amps: 4000 amps at 28 VDC
- 20 to 50 amps: 2000 amps at 115 VAC, 400 Hz

**Approvals**
- Inactive MS90351

KLIXON™ 15TC Series, Three-Phase Aircraft Circuit Breakers

**General Description**
- Thermal circuit breakers
- 28VDC or 120VAC, 2.5 to 100 Amps
- Usable on large electrical systems: 6000 amps interrupting capacity
- Ambient temperature compensation and trip-free design

**Current and Voltage Rating**
- 6TC: 2A to 25A for 4 to 20 seconds
- 9TC: 1A, 15A to 35A for 4 to 20 seconds

**Interrupting Capacity**
- 2.5 - 50 amps: 6,000 amps @ 30 VDC (-12’s)
- 2.5 - 50 amps: 6,000 amps @ 120 VA, 400 Hz
- 2.5 - 50 amps: 4,200 amps @ 205 VA, 400 Hz
- 50 - 100 amps: 3,500 amps @ 120 VAC, 400Hz
- 50 - 100 amps: 6,000 amps @ 28 VDC

**Approvals**
- Mil-qualifications
- MIL-C-22715 (USAF)

KLIXON™ 15TC Series, Three-Phase Aircraft Circuit Breakers

**General Description**
- Thermal circuit breakers
- 30VDC or 120VAC, 3 to 35 Amps
- Miniature aircraft breaker
- Ambient temperature compensation and trip-free design
- Available with neck mounting or standard cover plate

**Current and Voltage Rating**
- 3A to 35A for 15 to 65 seconds

**Interrupting Capacity**
- 2,000 amps at 30 VDC
- 1,000 amps at 120 VAC, 400 Hz

**Approvals**
- MIL-C-5809 qualified

KLIXON™ 20TC Series, Rocker-Type Aircraft Circuit Breakers

**General Description**
- 28VDC or 120VAC, 2.5 to 100 Amps
- High reliability: does not switch overload current
- Adaptable for AC, DC, single-phase, or three-phase applications
- Stops nuisance trips: unaffected by transient current surges
- Long trouble-free operation: 20,000 operating cycles
- Military approved

**Current and Voltage Rating**
- 7–50 amps: 2,000 amp adjusted circuit
- Over 50 amps: 4,000 amp adjusted circuit

KLIXON™ 7235 & 7236 Series, Thermal Overload Sensing Controls

**General Description**
- High shock and vibration performance
- Optional panel mount configuration, replaceable amp rating insterts (reference PN # 27515 when ordering), auxiliary switch

**Current and Voltage Rating**
- 200mA max, current draw @ 28VDC
- 3 seconds max trip time

KLIXON™ 3SB Series, Simulators, single-phase, low amp, quick trip
**KLIXON™ C Series (CM, CA, CDM, CDA)**

**General Description**
- Thermal circuit breakers
- 30VDC or 120VAC, 2 to 40 Amps
- Open and closed construction
- Automatic and manual reset options
- Ignition protected SAE J1171
- Weatherproof SAE J553

**Calibration**
- 200% rated current, 77°F
  - 2 to 10 amps: 20 to 150 seconds
  - 12.5 to 40 amps: 5 to 55 seconds

**Interrupting Capacity**
- Per SAE J553 and ABYC E-11

**Approvals**
- UL Listed E36869

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**KLIXON™ 7851 & 7854 Series**

**General Description**
- Thermal circuit breakers
- 30VDC or 120VAC, 12.5 to 60 Amps
- Sealed assemblies, manual and automatic reset options
- Ignition protected SAE J1171
- Weatherproof SAE J553

**Calibration**
- 200% rated current, 77°F
  - 12.5 to 60 amps: 5 to 55 seconds

**Interrupting Capacity**
- Per SAE J553 and ABYC E-11

**Approvals**
- UL Listed E36869

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**KLIXON™ F Series (FDLM, FDLA, FDLS, FDLT)**

**General Description**
- Thermal circuit breakers
- 30VDC, 35 to 150 Amps
- Weatherproof, ignition protected, trip-free design
- Meets 5000 amps @ 12VDC for interrupt capacity per ABYC E-11, DC electrical systems of boats

**Calibration**
- 200% rated current, 77°F
  - 35 to 150 Amps: 8 to 100 seconds

**Interrupting Capacity**
- Per SAE J1625 and ABYC E-11

**Approvals**
- UL Listed (E 69772)

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**KLIXON™ S Series (SDLM, SDLA, SLA)**

**General Description**
- Thermal circuit breakers
- 30VDC, 35 to 150 Amps
- Open and sealed assemblies, manual and automatic reset options
- Ignition protected

**Calibration**
- 200% rated current, 77°F
  - 35 to 150 Amps: 8 to 100 seconds

**Interrupting Capacity**
- Per SAE J1625 and ABYC E-11

**Approvals**
- UL Listed (E 69772)

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**KLIXON™ 6766-19 Series**

**General Description**
- Thermal circuit breakers
- 30VDC, 35 to 150 Amps
- Manual reset
- Weatherproof SAE J1625 and ideally suited for rugged applications
- Ignition protected SAE J1171

**Calibration**
- 200% rated current, 77°F
  - 35 to 150 Amps: 8 to 100 seconds

**Interrupting Capacity**
- Per SAE J1625 and ABYC E-11

**Approvals**
- 7855-6 meets CID A-A-55571/03 specifications
- 7855-7 meets CID A-A-55571/08 specifications

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**KLIXON™ 7855 Series**

**General Description**
- Thermal circuit breakers
- 30VDC, 175 to 200 Amps
- Sealed assemblies, manual and automatic reset options
- Ignition protected

**Calibration**
- 200% rated current, 77°F
  - 175 to 200 Amps: 8 to 100 seconds

**Interrupting Capacity**
- Per SAE J1625, 900A

**Approvals**
- 7855-6 meets CID A-A-55571/03 specifications
- 7855-7 meets CID A-A-55571/08 specifications

* Consult factory for conditions of acceptability
<table>
<thead>
<tr>
<th>Model</th>
<th>General Description</th>
<th>Calibration: 200% rated current, $77^\circ F$</th>
<th>Interrupting Capacity</th>
<th>Approvals*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KLIXON™ Small Frame PD Series (PDM, PDA)</strong></td>
<td>- Thermal circuit breakers &lt;br&gt;- 30VDC or 120VAC, 2 to 40 Amps &lt;br&gt;- Sealed assemblies, available in manual and automatic reset options &lt;br&gt;- Ignition protected</td>
<td>2 to 10 amps: 20 to 150 seconds &lt;br&gt;12.5 to 40 amps: 8 to 50 seconds</td>
<td>Per SAE J553 and ABYC E-11 &lt;br&gt;Per SAE J1625 and ABYC E-11</td>
<td>- CCC certified</td>
</tr>
<tr>
<td><strong>KLIXON™ Large Frame PDL Series (PDLM, PDLA)</strong></td>
<td>- Thermal circuit breakers &lt;br&gt;- 30VDC, 35 to 150 Amps &lt;br&gt;- Sealed assemblies, available in manual and automatic reset options &lt;br&gt;- Ignition protected</td>
<td>35 to 150 Amps: 8 to 100 seconds</td>
<td>Per SAE J553 and 600A</td>
<td>- PDLM meets CID A-A-55571/04 &lt;br&gt;- PDLA meets CID A-A-55571/07 &lt;br&gt;- UL Listed (E 36869) &lt;br&gt;- CCC certified</td>
</tr>
<tr>
<td><strong>KLIXON™ PS Series (PSM, PSA)</strong></td>
<td>- Thermal circuit breakers &lt;br&gt;- 30VDC, 2 to 35 Amps &lt;br&gt;- Available in manual and automatic reset options &lt;br&gt;- Ignition protected</td>
<td>$\leq 10$A for 20 to 150 seconds &lt;br&gt; &gt;10$A$ for 8 to 50 seconds</td>
<td>Per SAE J553, 600A</td>
<td>- PSM meets CID A-A-55571/06 &lt;br&gt;- PSA meets CID A-A-55571/05</td>
</tr>
<tr>
<td><strong>KLIXON™ PS Neck Mounting Series (PSM-XX-N)</strong></td>
<td>- Thermal circuit breakers &lt;br&gt;- 30VDC, 15 to 30 Amps &lt;br&gt;- Sealed assemblies, available in manual and automatic reset options &lt;br&gt;- Ignition protected</td>
<td>2 to 10 amps: 20 to 150 seconds &lt;br&gt;12.5 to 35 amps: 8 to 50 seconds</td>
<td>Per SAE J553 and ABYC E-11</td>
<td>- CCC certified</td>
</tr>
<tr>
<td><strong>KLIXON™ 9115 Series</strong></td>
<td>- Thermal circuit breakers &lt;br&gt;- 30VDC, 15 to 30 Amps &lt;br&gt;- Sealed assemblies, available in manual and automatic reset options &lt;br&gt;- Ignition protected SAE J1171</td>
<td>15 to 30 Amps: 8 to 50 seconds</td>
<td>Per SAE J553, 600A</td>
<td>- 9115-5 meets CID A-A-55571/01 &lt;br&gt;- 9115-6 meets CID A-A-55571/02 &lt;br&gt;- UL Listed (E 38869) &lt;br&gt;- CCC certified</td>
</tr>
</tbody>
</table>
**Linegard™ PGFM Sensing Module**

**General Description**
- Ground fault sensing module designed to operate in tandem with the Airpax LEL series circuit breaker with a shunt voltage trip and auxiliary switch and up to 3 poles max
- 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

**Ground Trip Current** 4 to 6 mA

**Trip Time, Combined Assembly** ≤ 25 mS

**Operating Voltage Rating**
- 120 VAC or 240 VAC, 50/60 Hz

**Let-Go Voltage**
- 60% of supply voltage

**Approvals**
- UL 943, Class A
- UL 1053 Compliant

**Linegard™ 40, 50 & 60 Amp PGFI Portable Series**

**General Description**
- 40, 50 & 60 amp in-line Equipment Leakage Circuit Interrupter (ELCI)
- Manufactured by North Shore Safety, Ltd., a leader in innovative safety products
- Automatic and manual reset key switch selector
- Fault threshold key switch selector
- Available with locking connectors / plugs or flying leads
- Electro-magnetically latched contacts

**Rated Current**
- 40, 50 or 60 amps

**Rated Voltage**
- 120 VAC, 240 VAC, 208 VAC, 277 VAC, 120/240 VAC, 3Ø 240 VAC, 3Ø 277 VAC, 3Ø 480 VAC, 3Ø 600 VAC

**Operating Voltage Range**
- 85% to 110% of rating

**Ground Trip Current Threshold**
- Key switch selectable 6 mA, 10mA, and 30mA

**Approvals**
- UL 1053 compliant

**Linegard™ 40, 50 & 60 Amp PGFS Permanent Series**

**General Description**
- 40, 50 & 60 amp splice-in Equipment Leakage Circuit Interrupter (ELCI)
- Manufactured by North Shore Safety, Ltd., a leader in innovative safety products
- Automatic / manual reset key switch
- Fault trip level key switch
- Keyed power switch
- Dual indication lights displaying power and fault status
- Grounded and open neutral protected
- Electro-magnetically latched contacts

**Rated Current**
- 40, 50 or 60 amps

**Rated Voltage**
- 120 VAC, 240 VAC, 208 VAC, 277 VAC, 120/240 VAC, 3Ø 240 VAC, 3Ø 277 VAC, 3Ø 480 VAC, 3Ø 600 VAC

**Operating Voltage Range**
- 85% to 110% of rating

**Fault Trip Level Current**
- 6 mA, 10 mA and 30mA

**Approvals**
- UL 1053 compliant

**Linegard™ 30 Amp PGFS Permanent Series**

**General Description**
- 30 amp splice-in Ground Fault Circuit Interrupter (GFCI)
- Manufactured by North Shore Safety, Ltd., a leader in innovative safety products
- Automatic and manual reset configurations
- Fault output options available
- Grounded and open neutral protected
- Electro-magnetically latched contacts

**Rated Current**
- Up to 30 amps

**Rated Voltage**
- 120 VAC, 208 VAC, 240 VAC, 120/240 VAC 277 VAC (non-UL)

**Operating Voltage Range**
- 85% to 110% of rating

**Ground Trip Current**
- 4 to 6 mA

**Approvals**
- cULus 943, Class A
- cCSAus certified to CSA-C22.2 No. 144

**Linegard™ 30 Amp PGFS Multi-Phase Permanent Series**

**General Description**
- 30 amp multi-phase splice-in Ground Fault Circuit Interrupter (GFCI)
- Manufactured by North Shore Safety, Ltd., a leader in innovative safety products
- Automatic and manual reset configurations
- Dual indication lights displaying power and fault status
- Grounded and open neutral protected
- Electro-magnetically latched contacts

**Rated Current**
- Up to 30 amps

**Rated Voltage**
- 120/240 VAC dual voltage, 120/208 VAC 3Ø, 240 VAC 3Ø, 208 VAC 3Ø, 277 VAC 3Ø (non-UL or CSA)

**Operating Voltage Range**
- 85% to 110% of rating

**Ground Trip Current**
- 4 to 6 mA

**Approvals**
- cULus 943, Class A
- cCSAus certified to CSA-C22.2 No. 144
Linegard™ 15 Amp PGFP Plug Series

General Description
- 15 amp plug cordset Ground Fault Circuit Interrupter (GFCI)
- Manufactured by North Shore Safety, Ltd., a leader in innovative safety products
- Automatic and manual reset configurations
- Available as a field wireable plug or with attached cords and outlets
- Plug assembly with power single or tri-tap outlet
- Electro-magnetically latched contacts

Rated Current
- Up to 15 amps at 120 VAC, 50/60 Hz

Ground Trip Current
- 4 to 6 mA

Insulation Voltage
- 1500 VRMS - 1 minute

Endurance Operations
- 3000 operations

Packaging
- NEMA 3R rated

Approvals*
- cULus 943, Class A
- UL recognized

Linegard™ 15 Amp PGFI In-line Series

General Description
- 15 amp in-line cordset Ground Fault Circuit Interrupter (GFCI)
- Manufactured by North Shore Safety, Ltd., a leader in innovative safety products
- Automatic and manual reset configurations
- Available as a field wireable plug or with attached cords and outlets
- Plug assembly with power single or tri-tap outlet
- Electro-magnetically latched contacts

Rated Current
- Up to 15 amps at 120 VAC, 50/60 Hz

Ground Trip Current
- 4 to 6 mA

Insulation Voltage
- 1500 VRMS - 1 minute

Endurance Operations
- 3000 operations

Packaging
- NEMA 3R rated

Approvals*
- cULus 943, Class A
- cCSAus certified to CSA-C22.2 No. 144
- UL recognized

Linegard™ 20 Amp PGFI Portable Series

General Description
- 20 amp in-line cordset Ground Fault Circuit Interrupter (GFCI)
- Manufactured by North Shore Safety, Ltd., a leader in innovative safety products
- Automatic and manual reset configurations
- Available with locking connectors / plugs or flying leads
- Electro-magnetically latched contacts

Rated Current
- Up to 20 amps

Rated Voltage
- 120 VAC, 208 VAC, 240 VAC, 277 VAC

Operating Voltage Range
- 85% to 110% of rating

Ground Trip Current
- 4 to 6 mA

Packaging
- NEMA 4X wet location rated

Approvals*
- cULus 943, Class A
- cCSAus certified to CSA-C22.2 No. 144

Linegard™ 30 Amp PGFI Portable Series

General Description
- 30 amp in-line cordset Ground Fault Circuit Interrupter (GFCI)
- Manufactured by North Shore Safety, Ltd., a leader in innovative safety products
- Automatic and manual reset configurations
- Available with locking connectors / plugs or flying leads
- Electro-magnetically latched contacts

Rated Current
- Up to 30 amps

Rated Voltage
- 120 VAC, 208 VAC, 240 VAC, 277 VAC

Operating Voltage Range
- 85% to 110% of rating

Ground Trip Current
- 4 to 6 mA

Packaging
- NEMA 4X and 6P wet location rated

Approvals*
- cULus 943, Class A
- cCSAus certified to CSA-C22.2 No. 144

Linegard™ 30 Amp PGFI Multi-Phase Portable Series

General Description
- 30 amp multi-phase cordset Ground Fault Circuit Interrupter (GFCI)
- Manufactured by North Shore Safety, Ltd., a leader in innovative safety products
- Automatic and manual reset configurations
- Dual indication lights displaying power and fault status
- Grounded and open neutral protected
- Electro-magnetically latched contacts

Rated Current
- Up to 30 amps

Rated Voltage
- 120/240 VAC dual voltage, 120/208 VAC 3Ø, 240 VAC 3Ø, 208 VAC 3Ø, 277 VAC 3Ø (non-UL or CSA)

Operating Voltage Range
- 85% to 110% of rating

Ground Trip Current
- 4 to 6 mA

Packaging
- NEMA 4X and 6P wet location rated

Approvals*
- cULus 943, Class A
- cCSAus certified to CSA-C22.2 No. 144
General Description

DIMENSIONS™ inverters provide DC to AC power conversion for many of today’s military systems:

• Troop transport
• Light & heavy armor vehicles
• Mobile weaponry systems
• Mobile radar & communications
• Single Phase Pure Sine Wave, <5% THD typical
• Single Phase Quasi Sine Wave, with wave form stabilizer
• Three Phase Quasi Sine Wave, single pulse per phase, pulse-width modulated

With the ever-growing demand for remote on-demand AC power, we provide multiple wave form outputs to satisfy your customer’s AC power needs:

Electrical Specifications

Depending on your AC energy requirements, there are many DIMENSIONS™ inverters available to meet your power needs, including ratings of:

- Input Voltage = 24 Volts DC
- Output Power = from 300 to 12,000 Watts Continuous
- Output Current = up to 32 Amps 120 VAC, 42 Amps 240 VAC
- Peak Output = up to 250 Amps AC
- Output Rating = up to 18.0 horse power
- Input Current = up to 600 Amps DC

List of Standard & Add-On Options

- Operating temperature up to -37°C to 70°C (-35°F to 158°F)
- Ventless construction for moisture and dust resistance
- Thermally-controlled cooling fan
- Heavy duty conformal coating on circuit boards
- NATO input receptacles
- NEMA connector distribution box with circuit breakers
- Water fording capability
- Outdoor plug covers
- DC input reverse polarity protection
- Ground fault circuit interrupt (GFCI) outlet protection
- Ground fault circuit interrupt (GFCI) hard wire output protection
- Enclosed AC and DC cable connections
- Integrated ON / OFF switch
- Remote ON / OFF switch hookup
- Battery voltage indicator with push-to-reset
- Output circuit breakers
- Branch breakers
- Automatic electronic short circuit / overload protection
- Automatic high temperature shutdown
- Automatic low battery shutdown with in-rush delay
- Dual output voltage, 120/240 VAC
- LED indication of inverter power, low input voltage, overload and high temperature
- Elapsed time hour meter

GSA Products

The following DIMENSIONS™ inverters are GSA registered:

• DIMENSIONS™ MIL-24/300NQ
  NSN # 6130-01-453-0020

• DIMENSIONS™ MIL-24/2600Q
  NSN # 6130-01-492-0577
  Military PN # 0CCB0405570

• DIMENSIONS™ MIL-24/2200Q
  NSN # 6130-01-439-1789
  Military PN # 0CCB0DUI24/220Q

• DIMENSIONS™ MIL-24/6000H-3PH
  NSN # 6130-01-492-3967
  Military PN # 11B296001

• DIMENSIONS™ MIL-24/12000H-3PH
MOBILE AC POWER

General Description
DIMENSIONS™ inverters provide DC to AC power conversion for many of today’s mobile markets:

- Utility & Work Truck
- Emergency Vehicles
- Recreational Vehicles (RVs)
- Construction Equipment

With the ever-growing demand for remote on-demand AC power, we provide multiple wave form outputs to satisfy your customer’s AC power needs:

- Single Phase Pure Sine Wave, <5% THD typical
- Single Phase Quasi Sine Wave, with wave form stabilizer
- Three Phase Quasi Sine Wave, single pulse per phase, pulse-width modulated

Electrical Specifications
Depending on your AC energy requirements, there are many DIMENSIONS™ inverters available to meet your power needs, with ratings of:

- Input Voltage = 12 or 24 Volts DC
- Output Power = from 250 to 12,000 Watts Continuous
- Output Current = up to 33 Amps AC
- Peak Output = up to 140 Amps AC
- Output Rating = up to 18.0 horse power
- Input Current = up to 600 Amps DC
- Battery Charger Output = up to 140 Amps DC, 28 Amps AC

List of Standard & Add-On Options
Configuration limitations vary for each product, but available options can include:

- UL & CUL listed
- Quasi wave form stabilizer
- Quasi wave form smoothing filter
- Thermally-controlled cooling fan
- Ground fault circuit interrupt (GFCI) outlet protection
- Ground fault circuit interrupt (GFCI) hard wire output protection
- Enclosed AC and DC cable connections with strain relief
- Integrated ON / OFF switch
- Remote ON / OFF switch hookup
- Battery voltage indicator with push-to-test
- Output circuit breakers
- Branch breakers
- Automatic electronic short circuit / overload protection
- Automatic high temperature shutdown
- Automatic low battery shutdown with in-rush delay
- Automatic 120/240 VAC input voltage sensing
- Automatic battery conditioning
- Transfer relays (including fail-safe transfer to shore power)
- Battery chargers (including automatic safety start and power share)
- Dual output voltage, 120/240 VAC
- Remote LCD and LED display / control panels
- Motor-starting capability
- Ventless construction for moisture and dust resistance
- Elapsed time hour meter
- One-wire ground start

INTERNATIONAL STANDBY POWER SYSTEMS (EXPORT ONLY)

General Description
Depending on your AC energy requirements, there are many DIMENSIONS™ inverters available to meet your power needs:

- Single Phase Pure Sine Wave, <5% THD typical
- Single Phase Quasi Sine Wave, with wave form stabilizer

Electrical Specifications
Whether it’s 120VAC 60Hz or 230VAC 50Hz output, there is a DIMENSIONS™ inverter available to meet your power needs, with ratings including:

- Input Voltage = 12 or 24 Volts DC
- Output Power = from 600 to 3,600 Watts Continuous
- Output Current = up to 30 Amps AC
- Peak Output = up to 90 Amps AC
- Input Current = up to 180 Amps DC

List of Standard & Add-On Options
Configuration limitations vary for each product, but available options can include:

- Thermally-controlled cooling fan
- AC hard wire output
- Enclosed AC and DC cable connections
- Remote ON / OFF switch hookup
- Digital signal controller for improved performance
- Output circuit breakers
- Automatic electronic short circuit / overload protection
- Automatic high temperature shutdown
- Automatic low battery shutdown with in-rush delay
- Battery chargers (temperature compensated)
- LED status display and battery voltage indicator
TRAFFIC SIGNAL BATTERY BACKUP SYSTEMS

General Description
Dimensions™ Battery Backup Systems are designed to provide reliable power to your traffic signal intersections. Through thunderstorms, blown transformers, downed power lines or other interruptions, our Battery Backup Systems will keep your LED intersections running for hours.

Electrical Specifications
Whether it’s 170, 2070, NEMA or external cabinet mount, there is a DIMENSIONS™ inverter available to meet your requirements, with ratings that can include:

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>Output Power</th>
<th>Output Current</th>
<th>Peak Output</th>
<th>Input Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 or 48 Volts DC</td>
<td>from 1,100 to 1,700 Watts Continuous</td>
<td>up to 14 Amps AC</td>
<td>up to 53 Amps AC</td>
<td>up to 60 Amps AC</td>
</tr>
</tbody>
</table>

List of Standard & Add-On Options
Configuration limitations vary for each product, but available options can include:
- LCD Display, easy to read, large 4 line backlit display
- Scrolling banner which lists relay status, alarms and faults
- Display shows input/output values including battery % charge
- Keypad for local programming
- Web browser interface
- Buck / boost for line interactive / automatic voltage regulation operation
- Time of day program
- Adjustable transfer points with normal and generator settings
- Six fully programmable dry relay contacts w/ low battery and timer
- Backup event and run time meters with reset
- Buck / boost event and run time meters with reset
- Event log of events, up to 200 events with export capability
- Ethernet (IP is user configurable) and RS-232 communications
- Pure Sine Wave, <3%THD, 60Hz ± 0.05%
- 3 stage, power factor corrected, fast rate charger
- Temperature compensated charging
- Transient voltage protection compliant with IEEE 587/ANSI C.62.41
- Thermally-controlled cooling fan
- Automatic low battery shutdown
- Completely connectorized system
- Caltrans approved version available

INDUSTRIAL (HIGH VOLTAGE)

General Description
For industrial locations, where high voltage is a must, DIMENSIONS™ inverters come in a single phase quasi sine wave form, capable of accepting up to 300VDC input. DIMENSIONS™ also offers 250VDC input UPS and transient voltage surge suppressors.

Electrical Specifications
When high voltage DC input is needed, there is a DIMENSIONS™ inverter available to meet your requirements, with ratings that can include:

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>Output Power</th>
<th>Output Current</th>
<th>Peak Output</th>
<th>Output Rating</th>
<th>Input Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>32, 36, 48, 64, 125, 250 or 300 Volts DC</td>
<td>from 500 to 10,000 Watts Continuous</td>
<td>up to 83 Amps AC</td>
<td>up to 240 Amps AC</td>
<td>up to 5.0 horse power</td>
<td>up to 300 Amps DC</td>
</tr>
</tbody>
</table>

List of Standard & Add-On Options
Configuration limitations vary for each product, but available options can include:
- Quasi-sine wave with waveform stabilizer
- Thermally-controlled cooling fan
- Ground fault circuit interrupt (GFCI) outlet protection
- Enclosed AC and DC cable connections
- NEMA type 12 enclosure
- Remote ON / OFF switch hookup
- Output circuit breakers
- Automatic electronic short circuit / overload protection
- Automatic high temperature shutdown
- Automatic low battery shutdown with in-rush delay
- Transfer relay
Sensata Technologies is one of the world’s leading suppliers of sensing, electrical protection and control solutions across a broad array of industries and applications in the automotive, appliance, aircraft, industrial, military, heavy vehicle, heating, ventilation and air conditioning, telecommunications, recreational vehicles, marine, medical, information processing, electronic power supply, power generation, construction, agricultural, and alternative energy markets.

For more information, please visit our web site at www.sensata.com