



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

Max. Poles

- 2

Current and Voltage Rating

- 2 to 50 amps, 80VDC & 250VAC

Interrupting Capacity

- up to 5000 amps

Approvals* (pending)

- cULus
- UL1077
- UL489A Listed
- TUV approved



AIRPAX™ T / R / PP / PR / CPP / CPR / CR (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

Max. Poles

- 2

Current and Voltage Rating

- 0.10 to 7.5 amps at 50 VDC and 250 VAC
- 0.10 to 30 amps at 32 VDC
- 0.10 to 30 amps at 120 VAC
- 0.10 to 25 amps at 120/240 VAC (two poles)
- 0.10 to 20 amps at 250 VAC (50/60 Hz, at 500AIC)
- 0.10 to 20 amps at 65 VDC (two poles) 500AIC

Interrupting Capacity

- 1000 amps

Approvals*

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



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

Max. Poles

- 3

Current and Voltage Rating

- AP ratings**
- 0.05 to 20 amps at 50 VDC and 240 VAC

UP ratings (single pole only)

- 0.05 to 20 amps at 50 VDC
- 0.05 to 15 amps at 120 VAC
- 0.05 to 7.5 amps at 240 VAC

Interrupting Capacity

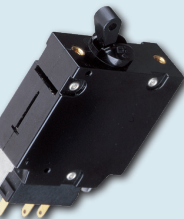
- AP ratings**
- 500 amps, 50 VDC, 120 VAC
- 300 amps, 240 VAC

UP ratings

- 1000 amps, 50VDC, 240 VAC

Approvals*

- MIL-PRF-M39019
- UL recognized (UP type only)
- FM approved (UP type only)



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

Max. Poles

- 3

Current and Voltage Rating

- 0.05 to 30 amps at 65 VDC
- 0.05 to 20 amps at 80 VDC (300 AIC)
- 0.05 to 25 amps at 250 VAC, 50/60 Hz
- 25.1 to 30 amps at 240 VAC, 50/60 Hz
- 0.10 to 15 amps at 250 VAC, 400 Hz
- 0.05 to 25 amps at 65 VDC (TUV)
- 0.05 to 25 amps at 250 VAC, 50/60 Hz (TUV)
- 0.05 to 15 amps at 250 VAC, 400 Hz (TUV)

Interrupting Capacity

- 1000 amps

Approvals*

- UL 489A listed (CPA)
- UL recognized
- CUR recognized
- TUV certified
- CE compliant
- CCC approved (pending)



AIRPAX™ IAG / IUG / IEG / CEG / LEG Series

General Description

- Hydraulic-magnetic circuit protection
- IEG 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 options
- Auxiliary switch options
- Mid-trip handle option
- Snap-in mounting option
- Dual frequency delay options

Max. Poles

- 6

Current and Voltage Rating

- 0.05 to 50 amps at 80 VDC
- 0.05 to 50 amps at 240 VAC
- 0.05 to 30 amps at 277 VAC, 50/60 Hz
- 0.05 to 30 amps at 250 VAC, 400 Hz
- 0.05 to 30 amps at 125 VAC, 50/60 Hz
- 1 to 30 amps at 120/240 VAC, 50/60 Hz

Interrupting Capacity

- 5000 amps, 240 VAC, 50/60 Hz
- 1500 amps, 250 VAC, 400 Hz
- 7500 amps, 80 VDC (IEG)
- 5000 amps, 80 VDC (CEG)
- 2000 amps, 250 VAC, 50/60 Hz (VDE)
- 4000 amps, 80 VDC (VDE)
- 5000 amps, 125 VAC, 50/60 Hz (LEG)
- 5000 amps, 120/240 VAC, 50/60 Hz (LEG)

Approvals*

- UL 489 listed (LEG)
- UL 489A listed (CEG)
- UL recognized
- CSA certified
- VDE approved (IEG, CEG, LEG)
- CE compliant
- CCC approved
- UL 1500 certified
- QPL to MIL-PRF-55629

* Consult factory for conditions of acceptability

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 70 amps at 80 VDC
- 0.05 to 50 amps at 250VDC
- 0.05 to 50 amps at 300VDC
- 0.05 to 70 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

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 70 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, 65 VDC (up to 150 amps)
- 10000 amps, 80 VDC (> 150 amps)

Approvals*

- UL 489 listed
- UL 489A listed
- CSA certified

[†] Two paralleled poles

^{††} Three paralleled poles

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 0730, 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
- 0.050 to 70 amps at 250 VAC, 50/60 Hz
- 0.100 to 50 amps at 80 VDC (VDE)
- 0.100 to 50 amps at 250 VAC, 50/60 Hz (VDE)
- 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
- 2000 amps, 277 VAC, 50/60 Hz
- 2000 amps at 250 VAC, 50/60 Hz (VDE)
- 2000 amps at 415 VAC, 50/60 Hz (VDE)
- 4000 amps at 80 VDC (VDE)

Approvals*

- UL recognized
- CSA certified
- VDE approved (IELR)
- 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 125 VDC
- 0.100 to 77 amps at 600 VAC
- 0.100 to 100 amps at 347/600 VAC
- 0.100 to 100 amps at 120, 240, 277, 480 VAC

Interrupting Capacity

- 5000 amps
- 10000 amps
- 4000 amps (VDE)

Approvals*

- UL 489 listed
- UL 489A listed (279)
- 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 1200 amps at 65 VDC

Interrupting Capacity

- 10000 amps, 160 VDC
- 10000 amps, 125/250 VDC
- 65000 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
- 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

KLIXON™ Arc Shield™ Series

* Consult factory for conditions of acceptability

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, 400Hz

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 1½ 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



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

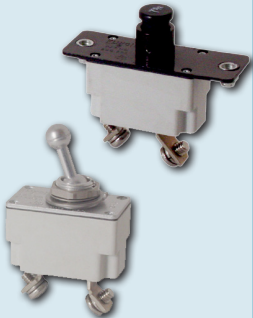
6TC: 2A to 25A for 4 to 20 seconds
9TC: 1A, 15A to 35A for 4 to 20 seconds

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™ 7270 & 7271 Series, Miniature 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

4,000 amps @ 30 VDC
3,500 amps @ 120 VAC, 400Hz

Approvals*

- MIL-C-5809 qualified



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

General Description

- Thermal circuit breakers
- 30VDC or 120VAC, 3 to 35 Amps
- Versatile rocker actuator: snap-on, switch type
- Panel mounting
- Provides dual function (on/off) circuit switching and protection

Current and Voltage Rating

3A to 35A for 10 to 130 seconds

Interrupting Capacity

2,000 amps at 30 VDC
1,000 amps at 120 VAC, 400 Hz



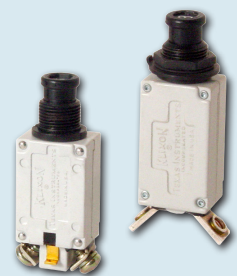
KLIXON™ 7235 & 7236 Series, Thermal Overload Sensing Controls

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™ 3SB Series, Simulators, single-phase, low amp, quick trip

General Description

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

Current and Voltage Rating

200mA max, current draw @ 28VDC
3 seconds max trip time



KLIXON™ C Series (CM, CA, CDM, CDA)

* Consult factory for conditions of acceptability

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

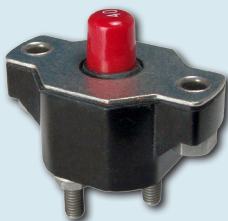
2 to 10 amps : 20 to 150 seconds
12.5 to 40 amps : 5 to 55 seconds

Interrupting Capacity

Per SAE J553 and ABYC E-11

Approvals*

- UL Listed E36869



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 J 553

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



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



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

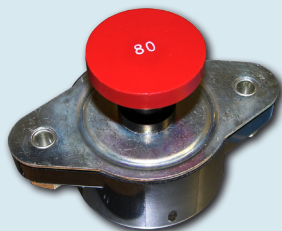
35 to 150 Amps : 8 to 100 seconds

Interrupting Capacity

Per SAE J1625 and ABYC E-11

Approvals*

- UL Listed (E 69772)



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



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



KLIXON™ Small Frame PD Series (PDM, PDA)

General Description

- Thermal circuit breakers
- 30VDC or 120VAC, 2 to 40 Amps
- Sealed assemblies, available in manual and automatic reset options
- Ignition protected

Calibration : 200% rated current, 77°F

- 2 to 10 amps : 20 to 150 seconds
- 12.5 to 40 amps : 8 to 50 seconds

Interrupting Capacity

Per SAE J553 and ABYC E-11

Approvals*

- CCC certified



KLIXON™ Large Frame PDL Series (PDLM, PDLA)

General Description

- Thermal circuit breakers
- 30VDC, 35 to 150 Amps
- Sealed assemblies, available in manual and automatic reset options
- Ignition protected

Calibration : 200% rated current, 77°F

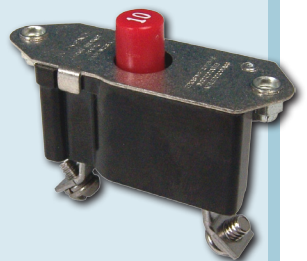
- 35 to 150 Amps : 8 to 100 seconds

Interrupting Capacity

Per SAE J1625 and ABYC E-11

Approvals*

- PDLM meets CID A-A-55571/04
- PDLA meets CID A-A-55571/07
- UL Listed (E 36869)
- CCC certified



KLIXON™ PS Series (PSM, PSA)

General Description

- Thermal circuit breakers
- 30VDC, 2 to 35 Amps
- Available in manual and automatic reset options
- Ignition protected

Calibration : 200% rated current, 77°F

- ≤10A for 20 to 150 seconds
- >10A for 8 to 50 seconds

Interrupting Capacity

Per SAE J553, 600A

Approvals*

- PSM meets CID A-A-55571/06
- PSA meets CID A-A-55571/05



KLIXON™ PS Neck Mounting Series (PSM-XX-N)

General Description

- Thermal circuit breakers
- 30VDC, 2 to 35 Amps
- Sealed assemblies, available in manual and automatic reset options
- Ignition protected

Calibration : 200% rated current, 77°F

- 2 to 10 amps : 20 to 150 seconds
- 12.5 to 35 amps : 8 to 50 seconds

Interrupting Capacity

Per SAE J553 and ABYC E-11

Approvals*

- CCC certified



KLIXON™ 9115 Series

General Description

- Thermal circuit breakers
- 30VDC, 15 to 30 Amps
- Sealed assemblies, available in manual and automatic reset options
- Ignition protected SAE J1171

Calibration : 200% rated current, 77°F

- 15 to 30 Amps : 8 to 50 seconds

Interrupting Capacity

Per SAE J553, 600A

Approvals*

- 9115-5 meets CID A-A-55571/01
- 9115-6 meets CID A-A-55571/02
- UL Listed (E 36869)
- CCC certified



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

Interrupting Capacity
• As per ratings of the Airpax LEL series circuit breaker

Approvals*
• UL 943, Class A or
• 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 208 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

Packaging
• NEMA 4X wet location rated

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 208 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

Packaging
• NEMA 4X wet location rated

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

Packaging
• NEMA 4X wet location rated

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

Packaging
• NEMA 4X wet location rated

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 or
- 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 or
- 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