

Circuit Breaker Enclosures

F- and L-Frame Thermal-Magnetic Circuit Breaker Enclosures

The enclosures for the F- and L-Frame thermal-magnetic circuit breakers are UL listed and CSA certified. The enclosures are suitable for service entrance equipment when neutral assembly is installed. The short circuit ratings of these enclosed circuit breakers are equal to the interrupting rating, at the supply voltage marked on the circuit breaker installed.

F-Frame Thermal-Magnetic Circuit Breaker Enclosures

The FA100RB enclosure has a provision of 3/4 through 2 1/2 inch B-Type bolt-on hubs in the top end wall.



FA100S

FA100RB

FA100DS

F-Frame Thermal-Magnetic Circuit Breaker Enclosures

| Circuit Breaker | | | Enclosure Cat. No. | | | Neutral Assembly Kit Cat. No. | Service Ground Kit Cat. No. |
|-----------------|----------|---------|---|--|-------------------------------|-------------------------------|-----------------------------|
| Cat. No. Prefix | Rating | Poles | NEMA 1 Flush | NEMA 1 Surface | NEMA 3R | | |
| FAL, FHL | 15-100 A | 1, 2, 3 | FA100F | FA100S | FA100RB | SN100FA | PKOGTA2 |
| | | | NEMA 4, 4X, 5, ▲Type 304 Stainless Steel■ | NEMA 4, 4X, 5, Type 316 Stainless Steel■ | NEMA 12/3R Without Knockouts■ | | |
| FAL, FHL | 15-100 A | 1, 2, 3 | FA100DS | — | FA100AWK | SN100FA | PKOGTA2 |

- ▲ Complete rating is NEMA 3, 3R, 4, 4X, 5, and 12.
- For NEMA 3R applications, remove drain screw from bottom endwall.



FA100X

FA100Y

| Circuit Breaker | | | Type 7 * Cast Aluminum | Type 9 ■ Cast Aluminum |
|-------------------------|---------------|-----------------|-------------------------|-------------------------|
| Catalogue Number Prefix | Ampere Rating | Number of Poles | Enclosure Catalogue No. | Enclosure Catalogue No. |
| FAL, FHL▲ | 15-60 | 1, 2, 3 | FA060X▼ | FA060Y① |
| | 15-100 | 1, 2, 3 | FA100X▼ | FA100Y① |

- * NEMA Type 7 – Indoor Hazardous Locations – Class I, Groups C and/or D, Divisions 1 or 2.
- NEMA Type 9 – Indoor Hazardous Locations – Class II, Groups E and/or G, Class III, Divisions 1 or 2.
- ▼ Suitable for rainproof applications—includes PKDB-1 breather and drain kit.
- ▲ Use 75°C Cu conductors only.
- ① Not CSA certified.

Note: Circuit breaker enclosures not to be used with MAG-GARD breakers.

L-Frame Thermal-Magnetic Circuit Breaker Enclosures

The LA400R enclosure has a blank top end wall and requires field cut openings.

L-Frame Thermal-Magnetic Circuit Breaker Enclosures

| Circuit Breaker | | | Enclosure Cat. No. | | | Neutral Assembly Kit Cat. No. | Service Ground Kit Cat. No. |
|-----------------|-----------|---------|---|--|-------------------------------|-------------------------------|-----------------------------|
| Cat. No. Prefix | Rating | Poles | NEMA 1 Flush | NEMA 1 Surface | NEMA 3R | | |
| LAL, LHL, Q4L | 125-225 A | 2, 3 | LA400F | LA400S | LA400R | SN225KA | PKOGTA2 |
| | 225-400 A | | | | | 400SN | |
| LAL | 125-400 A | 3 | — | LA400LS◆★ | — | SN400LA | |
| | | | NEMA 4, 4X, 5, ▲Type 304 Stainless Steel■ | NEMA 4, 4X, 5, Type 316 Stainless Steel■ | NEMA 12/3R Without Knockouts■ | | |
| LAL, LHL, Q4L | 125-225 A | 1, 2, 3 | LA400DS | — | LA400AWK | SN225KA | PKOGTA2 |
| | 225-400 A | | | | | SN400LA | |

- ▲ Complete rating is NEMA 3, 3R, 4, 4X, 5, and 12..
- For NEMA 3R applications, remove drain screw from bottom endwall.
- ◆ Use copper conductors only.
- ★ Maximum short circuit and voltage is 30 kAIR at 480 Vac..

Moulded Case Circuit Breakers

F-Frame Thermal-Magnetic Circuit Breakers

Thermal-magnetic moulded case circuit breakers shown here are permanent trip CSA certified, UL listed, IEC rated. For I-LINE moulded case circuit breakers, see Section DE-5.

| Ampere Rating | AC Magnetic Trip Settings Amperes | One Pole | | Two Pole | | Three Pole | | Standard Lug Kit Wire Range |
|---------------|-----------------------------------|---------------|-------|---------------|-------|---------------|-------|-----------------------------|
| | | Catalogue No. | Price | Catalogue No. | Price | Catalogue No. | Price | |

100 Ampere Frame

FAL Standard Interrupting 120/240 Volt

| | Hold | Trip | 120Vac | | 240Vac | | 240Vac | | Standard Lug Kit Wire Range |
|-----|------|------|---------------|-------|---------------|-------|---------------|-------|--|
| | | | Catalogue No. | Price | Catalogue No. | Price | Catalogue No. | Price | |
| 15 | 275 | 600 | FAL12015 | | FAL22015 | | FAL32015 | | AL50FA #14-#4 Cu or #12-#4 Al |
| 20 | 275 | 600 | FAL12020 | | FAL22020 | | FAL32020 | | |
| 25 | 275 | 600 | FAL12025 | | FAL22025 | | FAL32025 | | |
| 30 | 275 | 600 | FAL12030 | | FAL22030 | | FAL32030 | | |
| 35 | 400 | 850 | FAL12035 | | FAL22035 | | FAL32035 | | AL100FA #14-#1/0 Cu or #12-#1/0 Al |
| 40 | 400 | 850 | FAL12040 | | FAL22040 | | FAL32040 | | |
| 45 | 400 | 850 | FAL12045 | | FAL22045 | | FAL32045 | | |
| 50 | 400 | 850 | FAL12050 | | FAL22050 | | FAL32050 | | |
| 60 | 800 | 1450 | FAL12060 | | FAL22060 | | FAL32060 | | |
| 70 | 800 | 1450 | FAL12070 | | FAL22070 | | FAL32070 | | |
| 80 | 800 | 1450 | FAL12080 | | FAL22080 | | FAL32080 | | |
| 90 | 900 | 1700 | FAL12090 | | FAL22090 | | FAL32090 | | |
| 100 | 900 | 1700 | FAL12100 | | FAL22100 | | FAL32100 | | |



FAL/FHL
One Pole
15-100 Ampere

FAL Standard Interrupting 277/480 Volt

| | Hold | Trip | 277Vac,125Vdc | | 480Vac,250Vdc | | 480Vac,250Vdc | | Standard Lug Kit Wire Range |
|-----|------|------|---------------|-------|---------------|-------|---------------|-------|--|
| | | | Catalogue No. | Price | Catalogue No. | Price | Catalogue No. | Price | |
| 15 | 275 | 600 | FAL14015 | | FAL24015 | | FAL34015 | | AL50FA #14-#4 Cu or #12-#4 Al |
| 20 | 275 | 600 | FAL14020 | | FAL24020 | | FAL34020 | | |
| 25 | 275 | 600 | FAL14025 | | FAL24025 | | FAL34025 | | |
| 30 | 275 | 600 | FAL14030 | | FAL24030 | | FAL34030 | | |
| 35 | 400 | 850 | FAL14035 | | FAL24035 | | FAL34035 | | AL100FA #14-#1/0 Cu or #12-#1/0 Al |
| 40 | 400 | 850 | FAL14040 | | FAL24040 | | FAL34040 | | |
| 45 | 400 | 850 | FAL14045 | | FAL24045 | | FAL34045 | | |
| 50 | 400 | 850 | FAL14050 | | FAL24050 | | FAL34050 | | |
| 60 | 800 | 1450 | FAL14060 | | FAL24060 | | FAL34060 | | |
| 70 | 800 | 1450 | FAL14070 | | FAL24070 | | FAL34070 | | |
| 80 | 800 | 1450 | FAL14080 | | FAL24080 | | FAL34080 | | |
| 90 | 900 | 1700 | FAL14090 | | FAL24090 | | FAL34090 | | |
| 100 | 900 | 1700 | FAL14100 | | FAL24100 | | FAL34100 | | |

FAL/FHL
Two Pole
15-100Ampere



FAL Standard Interrupting 347/600 Volt

| | Hold | Trip | 347Vac,125Vdc | | 600Vac,250Vdc | | 600Vac,250Vdc | | Standard Lug Kit Wire Range |
|-----|------|------|---------------|-------|---------------|-------|---------------|-------|--|
| | | | Catalogue No. | Price | Catalogue No. | Price | Catalogue No. | Price | |
| 15 | 275 | 600 | FAL17015 | | FAL26015 | | FAL36015 | | AL50FA #14-#4 Cu or #12-#4 Al |
| 20 | 275 | 600 | FAL17020 | | FAL26020 | | FAL36020 | | |
| 25 | 275 | 600 | FAL17025 | | FAL26025 | | FAL36025 | | |
| 30 | 275 | 600 | FAL17030 | | FAL26030 | | FAL36030 | | |
| 35 | 400 | 850 | FAL17035 | | FAL26035 | | FAL36035 | | AL100FA #14-#1/0 Cu or #12-#1/0 Al |
| 40 | 400 | 850 | FAL17040 | | FAL26040 | | FAL36040 | | |
| 45 | 400 | 850 | FAL17045 | | FAL26045 | | FAL36045 | | |
| 50 | 400 | 850 | FAL17050 | | FAL26050 | | FAL36050 | | |
| 60 | 800 | 1450 | FAL17060 | | FAL26060 | | FAL36060 | | |
| 70 | 800 | 1450 | FAL17070 | | FAL26070 | | FAL36070 | | |
| 80 | 800 | 1450 | FAL17080 | | FAL26080 | | FAL36080 | | |
| 90 | 900 | 1700 | FAL17090 | | FAL26090 | | FAL36090 | | |
| 100 | 900 | 1700 | FAL17100 | | FAL26100 | | FAL36100 | | |



FHL High Interrupting 347/600 Volt

| | Hold | Trip | 347Vac,125Vdc | | 600Vac,250Vdc | | 600Vac,250Vdc | | Standard Lug Kit Wire Range |
|-----|------|------|---------------|-------|---------------|-------|---------------|-------|--|
| | | | Catalogue No. | Price | Catalogue No. | Price | Catalogue No. | Price | |
| 15 | 275 | 600 | FHL17015 | | FHL26015 | | FHL36015 | | AL50FA #14-#4 Cu or #12-#4 Al |
| 20 | 275 | 600 | FHL17020 | | FHL26020 | | FHL36020 | | |
| 25 | 275 | 600 | FHL17025 | | FHL26025 | | FHL36025 | | |
| 30 | 275 | 600 | FHL17030 | | FHL26030 | | FHL36030 | | |
| 35 | 400 | 850 | FHL17035 | | FHL26035 | | FHL36035 | | AL100FA #14-#1/0 Cu or #12-#1/0 Al |
| 40 | 400 | 850 | FHL17040 | | FHL26040 | | FHL36040 | | |
| 45 | 400 | 850 | FHL17045 | | FHL26045 | | FHL36045 | | |
| 50 | 400 | 850 | FHL17050 | | FHL26050 | | FHL36050 | | |
| 60 | 800 | 1450 | FHL17060 | | FHL26060 | | FHL36060 | | |
| 70 | 800 | 1450 | FHL17070 | | FHL26070 | | FHL36070 | | |
| 80 | 800 | 1450 | FHL17080 | | FHL26080 | | FHL36080 | | |
| 90 | 900 | 1700 | FHL17090 | | FHL26090 | | FHL36090 | | |
| 100 | 900 | 1700 | FHL17100 | | FHL26100 | | FHL36100 | | |

CSA Certified Interrupting Rating RMS Symmetrical Amperes

| Breaker Catalogue No. Prefix | System Voltage AC | | | DC | |
|------------------------------|-------------------|---------|---------|-----|-----|
| | 120/240 | 277/480 | 347/600 | 125 | 250 |
| FAL (240V.) 1-Pole | 10k | | | 5k | |
| 2, 3-Pole | 10k | | | 5k | 5k |
| FAL (480V.) 1-Pole | 18k | 18k | | 10k | |
| 2, 3-Pole | 25k | 18k | | 10k | 10k |
| FAL (600V.) 1-Pole | 25k | 18k | 14k | 10k | |
| 2, 3-Pole | 25k | 18k | 14k | 10k | 10k |
| FHL 1-Pole | | | | | |
| 15-30 | 65k | 65k | 18k | 10k | |
| 35-100 | 65k | 25k | 18k | 10k | |
| 2, 3-Pole | 65k | 25k | 18k | 50k | 50k |

Accessories: Handle Padlock Attached (locks ON or OFF) Cat. No. HPAFK

Dimensions-DE3-54
Enclosures -DE3-58