October 2008

FIRE-GUARD

## **Product Selection**

Table 4-33. Type CH 3/4-Inch (19.1 mm) Wide FIRE-GUARD AFCI Circuit Breakers

| Poles                     | Ampere<br>Rating | Configuration  | Catalog<br>Number                      | Price<br>U.S. \$ |
|---------------------------|------------------|--|--|------------------|
| Single-Pole<br>10 kAIC    | 15               | Branch Feeder AFCI<br>Branch Feeder AFCI with GFCI<br>Branch Feeder AFCI in Clamshell Package                | CH115AF<br>CH115AFGF<br>CH115AFCS      |                  |
|                           |                  | Combination Type AFCI<br>Combination Type AFCI in Clamshell Package<br>Combination Type AFCI Plug-on Neutral | CH115CAF<br>CH115CAFCS<br>CH115CAFPN ③ |                  |
|                           | 20               | Branch Feeder AFCI<br>Branch Feeder AFCI with GFCI<br>Branch Feeder AFCI in Clamshell Package                | CH120AF<br>CH120AFGF<br>CH120AFCS      |                  |
|                           |                  | Combination Type AFCI<br>Combination Type AFCI in Clamshell Package<br>Combination Type AFCI Plug-on Neutral | CH120CAF<br>CH120CAFCS<br>CH120CAFPN ③ |                  |
| Double-Pole<br>10 kAIC 12 | 15               | Branch Feeder AFCI Common Trip<br>Branch Feeder AFCI Independent Trip  | CH215AF<br>CH215AFIT                   |                  |
|                           | 20               | Branch Feeder AFCI Common Trip<br>Branch Feeder AFCI Independent Trip  | CH220AF<br>CH220AFIT                   |                  |

- $^{\scriptsize \textcircled{1}}$  Common trip refers to 2-pole 240 volt load application sourced by 120/240 Vac (See **Figure 4-14**).
- 2 Independent trip refers to 2-pole shared neutral circuits (see Figure 4-13 and Figure 4-15).
- 3 Requires plug-on neutral loadcenter.

Table 4-34. Type BR 1-Inch (25.4 mm) Wide AFCI Circuit Breakers

| Poles                     | Ampere<br>Rating | Configuration   | Catalog<br>Number                 | Price<br>U.S. \$ |
|---------------------------|------------------|---|-----------------------------------|------------------|
| Single-Pole<br>10 kAIC    | 15               | Branch Feeder AFCI<br>Branch Feeder AFCI with GFCI<br>Branch Feeder AFCI in Clamshell Package | BR115AF<br>BR115AFGF<br>BR115AFCS |                  |
|                           |                  | Combination Type AFCI<br>Combination Type AFCI in Clamshell Package                           | BR115CAF<br>BR115CAFCS            |                  |
|                           | 20               | Branch Feeder AFCI<br>Branch Feeder AFCI with GFCI<br>Branch Feeder AFCI in Clamshell Package | BR120AF<br>BR120AFGF<br>BR120AFCS |                  |
|                           |                  | Combination Type AFCI<br>Combination Type AFCI in Clamshell Package                           | BR120CAF<br>BR120CAFCS            |                  |
| Double-Pole<br>10 kAIC 45 | 15               | Branch Feeder AFCI Common Trip<br>Branch Feeder AFCI Independent Trip                         | BRL215AF<br>BRL215AFIT            |                  |
|                           | 20               | Branch Feeder AFCI Common Trip<br>Branch Feeder AFCI Independent Trip                         | BRL220AF<br>BRL220AFIT            |                  |

- Common trip refers to 2-pole 240 volt load application sourced by 120/240 Vac (See Figure 4-14).
- (§) Independent trip refers to 2-pole shared neutral circuits (see Figure 4-13 and Figure 4-15).

Table 4-35. UL Classified Branch Feeder AFCIs

| Poles Ampere Rating Configuration | Catalog<br>Number | Price<br>U.S. \$ |
|-----------------------------------|-------------------|------------------|
|-----------------------------------|-------------------|------------------|

Type CL 1-Inch Wide per Pole Classified Arc Fault Circuit Interrupters —
Fit Square D HOMELINE®, GE, Siemens, Murray®, Thomas & Betts® and Crouse-Hinds® Loadcenters

| Fit Square D nomectives, Ge, Siellielis, Murrays, I liolilas & Betts and Grouse-nilius coaucenters |    |      |         |  |
|--|----|------|---------|--|
| Single-Pole  | 15 | AFCI | CL115AF |  |
|  | 20 | AFCI | CL120AF |  |

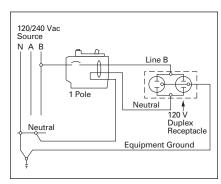


Figure 4-12. Single-Pole Single 120 Volt Load Application Sourced by 120/240 Vac

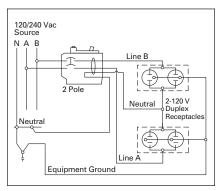


Figure 4-13. 2-Pole Shared Neutral with Multi-Duplex Receptacle Application

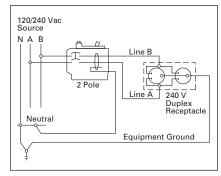


Figure 4-14. 2-Pole 240 Volt Load Application Sourced by 120/240 Vac

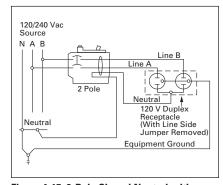


Figure 4-15. 2-Pole Shared Neutral with Duplex Receptacle Application