

# Interchangeable Fuse Cutouts

## Porcelain and Silicone Cutouts

Peak Demand offers its line of porcelain cutouts as part of the Pinnacle™ Series product family and its line of silicone-composite cutouts as part of the Summit™ Series family of products. Regardless of the insulator selected, Peak Demand cutouts have been designed and tested to stand up to the toughest environment.

We designed, tested, improved, and tested again until we were sure we had a cutout that is second to none.

## The Design Team

Peak Demand cutouts were designed by an engineering team with more than 30 years of experience in design, manufacturing, component supply, sales, and customer support of cutouts in the United States and abroad. Each individual on the team is a member of IEEE with one having a presence with the IEEE Committee which writes, reviews, and updates the IEEE cutout standards.

## Test Reports

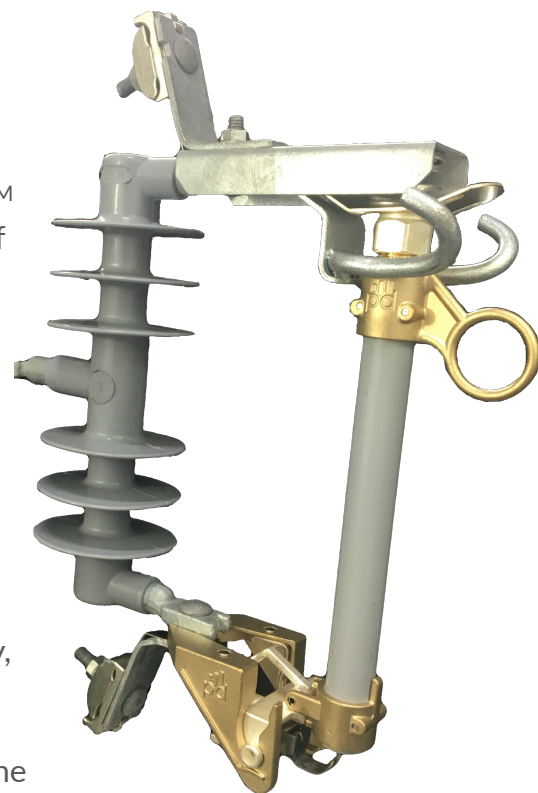
All cutouts have been or will be tested to IEEE C37.42. All tests have been done at globally recognized labs. Test reports are available by request.

## Verified Interchangeability

We tested interchangeability because we know it's critical to utility customers.

Peak Demand's fuse holders have been tested for fit and thermal heat rise in the fuse supports of other manufacturers' cutouts. These tests prove that Peak Demand's fuse holder and fuse supports fit and function in the fuse supports or the fuse holders of other manufacturers.

With verified interchangeability, Peak Demand cutouts will be easily deployed and serviced.



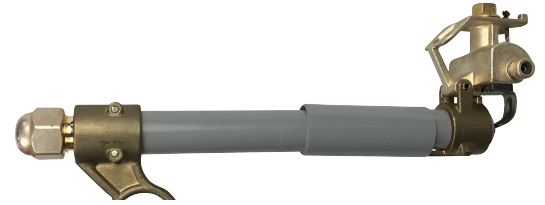
### The Peak Demand Advantage

- Designed, tested, and assembled in the USA
- Short lead times
- Local stocking to meet delivery needs
- Friendly team of industry veterans with decades of experience serving utility customers

## Designed With Lineman Feedback

### Easier To Fuse

The fuse tube and fuse link fastening bolt lie at a 90 degree angle. Why does this matter? It allows linemen to easily tighten or loosen the bolt with one hand holding the fuse tube and one hand on the wrench.



### See The Difference - Easy To Find

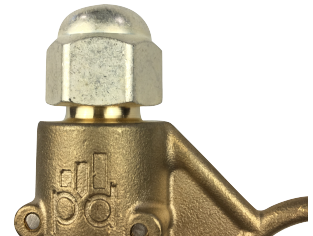
Our patent-pending visual open indicator was specifically designed with linemen in mind. The reflective indicator makes an open fused cutout easier to find. Low light and rainy conditions will no longer impede your ability to find an open fused door.

Get this option by simply using a V as the last digit of any Peak Demand cutout style number. Example: FCS-11P110-NV



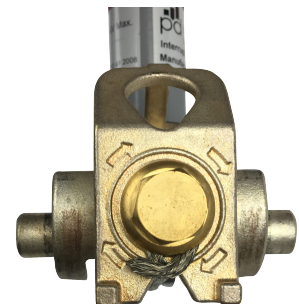
### We Didn't Cut Corners - We Added Them

We didn't cut corners when designing our cutout, we made more of them. To make fuse holder cap removal a breeze we designed a hex style cap. Two and four-sided caps are more difficult to remove.



### Making The Job A Bit Easier

We added small arrows to the bottom of the fuse holder trunnion. Why? Because when a linemen is fusing the device there is only one right way to wrap the fuse wires. Regardless of experience level, just follow the arrows and you'll get it right every time.



## Portfolio

Peak Demand's silicone and porcelain cutouts are available in 15.5kV and 27.6kV ratings. Each cutout can be fitted with either a 100amp or 200amp fuse holder or a 300amp disconnect blade.

## Part number configurator

| Digit 1 - 2 | Digit 3        |   | Digit 4       | Digit 5 | Digit 6       | Digit 7                   | Digit 8 - 9          |   |   | Digit 10     | Digit 11 |
|-------------|----------------|---|---------------|---------|---------------|---------------------------|----------------------|---|---|--------------|----------|
| Product     | Insulator Type | - | Rated Voltage | BIL     | Terminal Type | Continuous Current Rating | Interruption Current |   | - | Bracket Type | Options  |
| FC          | S              | - | 1             | 1       | E             | N                         | 0                    | 0 | - | N            | N        |
|             | P              |   | 2             | 2       | P             | 1                         | 0                    | 8 |   | A            | V        |
|             |                |   |               | 5       |               | 2                         | 1                    | 0 |   | B            |          |
|             |                |   |               | 7       |               | 3                         | 1                    | 2 |   |              |          |
|             |                |   |               | 8       |               |                           | 1                    | 6 |   |              |          |

Example part numbers: FCS-11P110-NV; FCP-25E208-BV

## Part number digit options

| Digit 3        |           | Digit 4            |        | Digit 5  |       | Digit 6       |                 |
|----------------|-----------|--------------------|--------|----------|-------|---------------|-----------------|
| Insulator Type |           | Rated Voltage (KV) |        | BIL (KV) |       | Terminal Type |                 |
| S              | Silicone  | 1                  | 15.5kV | 1        | 110kV | E             | Eye Bolt        |
| P              | Porcelain | 2                  | 27.6kV | 2        | 125kV | P             | Parallel Groove |
|                |           |                    |        | 5        | 150kV |               |                 |
|                |           |                    |        | 7        | 170kV |               |                 |

| Digit 7                   |                | Digit 8 - 9                 |              | Digit 10     |            | Digit 12 |                                           |
|---------------------------|----------------|-----------------------------|--------------|--------------|------------|----------|-------------------------------------------|
| Continuous Current Rating |                | Interruption Current (kAic) |              | Bracket Type |            | Options  |                                           |
| N                         | Not Applicable | 00                          | Solid blades | N            | No Bracket | N        | None                                      |
| 1                         | 100A           | 08                          | 08kAic       | A            | NEMA A     | V        | Visual Indicator<br>Reflector on Fusetube |
| 2                         | 200A           | 10                          | 10kAic       | B            | NEMA B     |          |                                           |
| 3                         | 300A           | 12                          | 12kAic       | X            | Extended   |          |                                           |
|                           |                | 16                          | 16kAic       |              |            |          |                                           |

## Porcelain Part Number Cross Reference

| Cross Reference Table For Interchangeable Style Cutouts |           |         |       |                                |                |              |               |             |
|---------------------------------------------------------|-----------|---------|-------|--------------------------------|----------------|--------------|---------------|-------------|
|                                                         |           |         |       | Peak Demand<br>Pinnacle Series | Hubbell Type C | ABB Type ICX | Cooper Type L | MPS Type XS |
| Volt                                                    | BIL       | Current | kAIC  | Porcelain                      | Porcelain      | Porcelain    | Porcelain     | Porcelain   |
| 15                                                      | 95 or 110 | 100     | 10    | FCP-11*110-**                  | C710-112       | X1N(##)NAM11 | L4B1(##)A     | 89021R10    |
| 15                                                      | 95 or 110 | 100     | 16    | FCP-11*116-**                  | C710-114       | X1N(##)NLM11 | L4BA(##)A     | 89031R10    |
| 15                                                      | 110       | 100     | 10    | FCP-11*110-**                  | C710-412       | X1N(##)NAM11 | L4B1(##)A     | 89021R10    |
| 15                                                      | 110       | 100     | 16    | FCP-11*116-**                  | C710-414       | X1N(##)NLM11 | L4BA(##)A     | 89031R10    |
| 27                                                      | 125       | 100     | 8     | FCP-22*108-**                  | C710-211       | X2N(##)NAM12 | L9C1(##)A     | 89022R10    |
| 27                                                      | 125       | 100     | 12    | FCP-22*112-**                  | C710-213       | X2N(##)NMM12 | L9CA(##)A     | 89032R10    |
| 27                                                      | 150       | 100     | 8     | FCP-25*108-**                  | C710-311       | X5N(##)NAM12 | L9D1(##)A     | 89042R10    |
| 27                                                      | 150       | 100     | 12    | FCP-25*112-**                  | C710-313       | X5N(##)NMM12 | L9DA(##)A     | 89052R10    |
| 27                                                      | 170       | 100     | 12    | FCP-27*112-**                  | C710-513       | X7N(##)NFA34 | ---           | 89053R10    |
| 15                                                      | 95 or 110 | 200     | 12    | FCP-11*212-**                  | C710-143       | X1N(##)NPA21 | L4A2(##)A     | 89071R11    |
| 15                                                      | 110       | 200     | 12    | FCP-11*212-**                  | C710-423       | X1N(##)NPA21 | L4B2(##)A     | 89071R11    |
| 27                                                      | 125       | 200     | 10    | FCP-22*210-**                  | C710-242       | X2N(##)NWA22 | L9C2(##)A     | 89072R11    |
| 27                                                      | 150       | 200     | 10    | FCP-25*210-**                  | C710-342       | X5N(##)NWA22 | L9D2(##)A     | 89092R11    |
| 27                                                      | 170       | 200     | 12    | FCP-27*212-**                  | C710-643       | ---          | ---           | ---         |
| 15                                                      | 95 or 110 | 300     | Blade | FCP-11*300-**                  | C710-133       | X1N(##)NCA31 | L4A3(##)A     | 89221R10    |
| 15                                                      | 95 or 110 | 300     | Blade | FCP-11*300-**                  | ---            | X1N(##)NCA31 | ---           | 89221R10    |
| 15                                                      | 110       | 300     | Blade | FCP-11*300-**                  | C710-433       | X1N(##)NCA31 | ---           | 89221R10    |
| 27                                                      | 125       | 300     | Blade | FCP-22*300-**                  | C710-233       | X2N(##)NDA32 | L9C3(##)A     | 89222R10    |
| 27                                                      | 150       | 300     | Blade | FCP-25*300-**                  | C710-333       | X5N(##)DA32  | L9D3(##)A     | ---         |
| 27                                                      | 170       | 300     | Blade | FCP-27*300-**                  | C710-533       | X7N(##)NFA34 | ---           | 89253R10    |

Please note: A " \* " represent a location of an option digit in the part number. For a list of Peak Demand options please see "Part number digit options" on the previous page. If you have any questions please do not hesitate to contact your local Peak Demand representative, email [CustomerService@peakdemand.com](mailto:CustomerService@peakdemand.com), or call 844.Peak.247 (844.732.5247)



## Silicone Composite Part Number Cross Reference

| Cross Reference Table For Interchangeable Style Cutouts |           |         |       |                           |                 |              |               |             |             |
|---------------------------------------------------------|-----------|---------|-------|---------------------------|-----------------|--------------|---------------|-------------|-------------|
|                                                         |           |         |       | Peak Demand Summit Series | Hubbell Type CP | ABB Type ICX | Cooper Type S | MPS Type XS | MPS Type XS |
| Volt                                                    | BIL       | Current | kAIC  | Composite                 | Composite       | Composite    | Composite     | G2 Polymer  | G1 Polymer  |
| 15                                                      | 95 or 110 | 100     | 10    | <b>FCS-11*110-**</b>      | CP710-112       | X1J(##)NAM11 | S4B1(##)A     | SC15HG110   | 89021R10-P  |
| 15                                                      | 95 or 110 | 100     | 16    | <b>FCS-11*116-**</b>      | CP710-114       | X1J(##)NLM11 | S4BA(##)A     | SC15HG116   | 89031R10-P  |
| 15                                                      | 110       | 100     | 10    | <b>FCS-11*110-**</b>      | CP710-412       | X1J(##)NAM11 | S4B1(##)A     | SC15HG110   | 89021R10-P  |
| 15                                                      | 110       | 100     | 16    | <b>FCS-11*116-**</b>      | CP710-414       | X1J(##)NLM11 | S4BA(##)A     | SC15HG116   | 89031R10-P  |
| 27                                                      | 125       | 100     | 8     | <b>FCS-22*108-**</b>      | CP710-211       | X2J(##)NAM12 | S9C1(##)A     | SC27SG108   | ---         |
| 27                                                      | 125       | 100     | 12    | <b>FCS-22*112-**</b>      | CP710-213       | X2J(##)NMM12 | S9CA(##)A     | SC27SG112   | ---         |
| 27                                                      | 150       | 100     | 8     | <b>FCS-25*108-**</b>      | CP710-311       | X5J(##)NAM12 | S9D1(##)A     | SC27SG108   | 89042R10-P  |
| 27                                                      | 150       | 100     | 12    | <b>FCS-25*112-**</b>      | CP710-313       | X5J(##)NMM12 | S9DA(##)A     | SC27SG112   | 89052R10-P  |
| 27                                                      | 170       | 100     | 12    | <b>FCS-27*112-**</b>      | CP710-513       | X7J(##)NFA34 | ---           | SC38HG112   | 89053R10-P  |
| 15                                                      | 95 or 110 | 200     | 12    | <b>FCS-11*212-**</b>      | CP710-143       | X1J(##)NPA21 | S4A2(##)A     | SC15HG212   | 89071R11-P  |
| 15                                                      | 110       | 200     | 12    | <b>FCS-11*212-**</b>      | CP710-423       | X1J(##)NPA21 | S4B2(##)A     | SC15HG212   | 89071R11-P  |
| 27                                                      | 125       | 200     | 10    | <b>FCS-22*210-**</b>      | CP710-242       | X2J(##)NWA22 | S9C2(##)A     | SC27SG210   | ---         |
| 27                                                      | 150       | 200     | 10    | <b>FCS-25*210-**</b>      | CP710-342       | X5J(##)NWA22 | S9D2(##)A     | SC27SG210   | 89092R11-P  |
| 27                                                      | 170       | 200     | 12    | <b>FCS-27*212-**</b>      | CP710-643       | ---          | ---           | SC38HG212   | ---         |
| 15                                                      | 95 or 110 | 300     | Blade | <b>FCS-11*300-**</b>      | CP710-133       | X1J(##)NCA31 | S4A3(##)A     | SC15HG300   | 89221R10-P  |
| 15                                                      | 95 or 110 | 300     | Blade | <b>FCS-11*300-**</b>      | ---             | X1J(##)NCA31 | ---           | SC15HG300   | 89221R10-P  |
| 15                                                      | 110       | 300     | Blade | <b>FCS-11*300-**</b>      | CP710-433       | X1J(##)NCA31 | ---           | SC15HG300   | 89221R10-P  |
| 27                                                      | 125       | 300     | Blade | <b>FCS-22*300-**</b>      | CP710-233       | X2J(##)NDA32 | S9C3(##)A     | SC27SG300   | ---         |
| 27                                                      | 150       | 300     | Blade | <b>FCS-25*300-**</b>      | CP710-333       | X5J(##)DA32  | S9D3(##)A     | SC27SG300   | ---         |
| 27                                                      | 170       | 300     | Blade | <b>FCS-27*300-**</b>      | CP710-533       | X7J(##)NFA34 | ---           | SC38HG300   | 89253R10-P  |

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