



N-HTB

NEW HIGH-TECH BREAKERS

F SERIES / FEDERAL PACIFIC
TECHNICAL PRODUCT GUIDE

NEWLY MANUFACTURED REPLACEMENTS

Federal Pacific (FPE) Replacement Circuit Breakers

A model-specific range for selected Federal Pacific Electric panelboards, including the X125-0816C reference application.

120/240 VAC

One- and two-pole options

10 kA

Maximum interrupting rating

ETL Listed

Complete breaker evaluated to UL 489



N-HTB F2100

100 A | 2-pole | 120/240 VAC

**Compatibility
notice:**

Do not use in series-rated systems. Confirm the exact panel family, panel model, amperage, pole count, voltage, conductor requirements and current listing documentation before installation.

Choose the right configuration

Four product formats organize the F Series by model designation, pole configuration, rated current, voltage and mechanical envelope.

1-POLE / F0(1/2") + F(1") SERIES

Two single-pole formats

Compact F0(1/2") and standard F(1") formats for common 120 VAC branch circuits.

F0(1/2"): F015 - F020 - F030 - F040 - F050
F(1"): F15 - F20 - F30 - F40 - F50

15-50 A

120 VAC

50 A frames

86 / 141 g

2-POLE / F02(1/2" X 2) SERIES

Compact two-pole models

Slim two-pole format for 120/240 VAC applications through 50 A.

F0215 - F0220 - F0225 - F0230 - F0235
- F0240 - F0245 - F0250

15-50 A

120/240 VAC

50 A frame

175 g

2-POLE / F2(1" X 2) SERIES / 15-70 A

Standard two-pole models

Broader 70 A-frame range for common two-pole branch and feeder applications.

F215 - F220 - F230 - F240 - F250 - F260
- F270

15-70 A

120/240 VAC

70 A frame

290 g

2-POLE / F2 SERIES(1" X 2) / 80-100 A

Higher-amperage two-pole models

Larger mechanical envelope for the upper end of the Type F range.

F280* - F290* - F2100

80-100 A

120/240 VAC

100 A frame

422 g

* Current-availability note: F280 and F290 appear in Compatibility Publication No. 001 but are not shown in the current online Federal Pacific model directory. Confirm availability and exact listing scope before ordering.

** Technical-sheet-only references: F025, F035, F045, F25, F35, F45, F225, F235 and F245 are shown in the supplied technical sheet but not in Publication No. 001 or the current directory; they are excluded from this selection guide pending verification.

TM

Thermal-magnetic trip

Overload and short-circuit protection mechanism.

IN

Plug-in input

Stab-Lok-style panel connection.

OUT

Terminal-lug output

Model-specific conductor termination.

UL

Two certification scopes

Complete breaker: ETL Listed. Terminal component: UL Recognized.

Model Selection & Compatibility

TYPE F

120/240 VAC - 10 kA maximum

Use this matrix to match the existing American Circuit Breaker model designation. Review the panel label and existing breaker markings, then verify current availability and certification coverage before ordering.

Panel reference: Federal Pacific Electric model X125-0816C.

N-HTB MODEL	RATED CURRENT	RATED VOLTAGE	CONFIGURATION	SPECIFIED ACB MODEL
1-POLE - F(1") SERIES - 120 VAC				
F15	15 A	120 VAC	1-pole	15
F20	20 A	120 VAC	1-pole	20
F30	30 A	120 VAC	1-pole	30
F40	40 A	120 VAC	1-pole	40
F50	50 A	120 VAC	1-pole	50
1-POLE - F0(1/2") SERIES - 120 VAC				
F015	15 A	120 VAC	1-pole	015
F020	20 A	120 VAC	1-pole	020
F030	30 A	120 VAC	1-pole	030
F040	40 A	120 VAC	1-pole	040
F050	50 A	120 VAC	1-pole	050
2-POLE - F2(1" X 2) SERIES - 120/240 VAC - 15-100 A				
F215	15 A	120/240 VAC	2-pole	215
F220	20 A	120/240 VAC	2-pole	220
F230	30 A	120/240 VAC	2-pole	230
F240	40 A	120/240 VAC	2-pole	240
F250	50 A	120/240 VAC	2-pole	250
F260	60 A	120/240 VAC	2-pole	260
F270	70 A	120/240 VAC	2-pole	270
F280*	80 A	120/240 VAC	2-pole	280
F290*	90 A	120/240 VAC	2-pole	290
F2100	100 A	120/240 VAC	2-pole	2100
2-POLE - F02(1/2" x 2) SERIES - 120/240 VAC - 15-50 A				
F0215	15 A	120/240 VAC	2-pole	0215
F0220	20 A	120/240 VAC	2-pole	0220
F0225	25 A	120/240 VAC	2-pole	0225
F0230	30 A	120/240 VAC	2-pole	0230
F0235	35 A	120/240 VAC	2-pole	0235
F0240	40 A	120/240 VAC	2-pole	0240
F0245	45 A	120/240 VAC	2-pole	0245
F0250	50 A	120/240 VAC	2-pole	0250

* Current-availability note: F280 and F290 appear in Compatibility Publication No. 001 but are not shown in the current online Federal Pacific model directory. Confirm availability, exact listing scope and applicable documentation before ordering.

Technical-sheet-only references: F025, F035, F045, F25, F35, F45, F225, F235 and F245 are shown on the supplied Type F technical sheet but not in Publication No. 001 or the current directory; they are excluded from this matrix pending verification. The supplied sheet also displays a 60 A entry in the 50 A-frame one-pole current row without a corresponding model, so no model is assigned to that entry here.

TECHNICAL SUMMARY

Core product specifications

Panel application	Federal Pacific Electric model X125-0816C.
Specified manufacturer	American Circuit Breaker Corp. model designations.
Trip mechanism	Thermal-magnetic.
Connections	Plug-in input; terminal-lug output.
Interrupting rating	10 kA maximum.
Frame classifications	50 A F0 1-pole; 50 A F02 2-pole; 50 A F 1-pole; 70 A F2 2-pole; 100 A F2 high-amp.
Nominal weights	86 g; 175 g; 141 g; 290 g; 422 g, respectively.
Dimensions	Configuration-specific. Review current dimensional drawings before installation.

CERTIFICATION CLARITY

Two records, two different scopes

Complete circuit breaker
ETL Listed by Intertek

Evaluated to UL 489. Current official directory and applicable certification documents control model scope and status.

Output terminal component
UL Recognized Component

File E538985, Category ZMMT2. Component recognition is separate from the complete breaker listing and does not mean the finished breaker is UL Listed.



Verify current models and availability

Scan for the current Federal Pacific product directory, individual model pages and product support.

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