

LOAD CENTERS - SIEMENS

EQ Load Centers

EQ III - Main Breaker - 1 Phase, 120/240V AC

NEMA 1 - Indoor - Aluminum Bus



- Standard 14 3/8" width.
- 4 1/4" side wiring gutter.
- Dead front adjustment after trim is installed.
- Circuit directory attached to door.
- Sliding door latch.
- Factory installed 22,000 AIR main breaker.

Siemens Energy & Automation

PartNumber	Amperage	Branch Circuit - Max 2-Pole	Branch Circuit - Max 1-Pole	Branch Circuit - Max Spaces 1-Pole	Height	Wt Lbs/Oz
G1224B1100	100	6	24	12	18"	19
G1624B1100	100	8	24	16	21"	21
G2020B1100	100	10	20	20	21"	23
G2430B1150	150	12	30	24	30"	29
G2040B1200	200	10	40	20	30"	26
G3040B1200	200	14	40	30	36"	37
G4040B1200	200	20	40	40	39"	37

EQ - Main Breaker - 1 Phase, 120/240V AC

NEMA 1 - Indoor - Copper Bus



- Standard 14 3/8" width.
- 4 1/4" side wiring gutter.
- Dead front adjustment after trim is installed.
- Circuit directory attached to door.
- Sliding door latch.
- Factory installed 22,000 AIR main breaker.

Siemens Energy & Automation

PartNumber	Amperage	Branch Circuit - Max 2-Pole	Branch Circuit - Max 1-Pole	Branch Circuit - Max Spaces 1-Pole	Height	Wt Lbs/Oz
G1624B1100CU	100	8	24	16	21"	22
G2020B1100CU	100	10	20	20	21"	24
G3030B1100CU	100	14	30	30	30"	26
G2040B1200CU	200	10	40	20	30"	27
G3040B1200CU	200	14	40	30	36"	38
G4040B1200CU	200	20	40	40	39"	38

LOAD CENTERS - SIEMENS

EQ Load Centers

EQ - Main Breaker - 1 Phase, 120/240V AC

NEMA 3R - Outdoor - Copper Bus



- Standard 14 3/8" width.
- 4 1/4" side wiring gutter.
- Dead front adjustment after trim is installed.
- Circuit directory attached to door.
- Sliding door latch.
- Factory installed 22,000 AIR main breaker.

Siemens Energy & Automation

PartNumber	Amperage	Branch Circuit - Max 2-Pole	Branch Circuit - Max 1-Pole	Branch Circuit - Max Spaces 1-Pole	Height	Wt Lbs/Oz
W1624B1100CU	100	8	24	16	22"	27
W2040B1200CU	200	10	40	20	31"	37

NEMA 3R - Outdoor - Copper Bus & Feed Thru Lugs



- Standard 14 3/8" width.
- 4 1/4" side wiring gutter.
- Dead front adjustment after trim is installed.
- Circuit directory attached to door.
- Sliding door latch.
- Factory installed 22,000 AIR main breaker.

Siemens Energy & Automation

PartNumber	Amperage	Branch Circuit - Max 2-Pole	Branch Circuit - Max 1-Pole	Branch Circuit - Max Spaces 1-Pole	Height
W0816B1200CT	200	16	8	4	28"

EQ - Main Breaker - 3 Phase, 3 Wire, 240V AC or 3 Phase, 4 Wire 120/208V AC

NEMA 1 - Indoor - Copper Bus



- Standard 14 3/8" width.
- 4 1/4" side wiring gutter.
- Dead front adjustment after trim is installed.
- Circuit directory attached to door.
- Sliding door latch.
- Factory installed 10,000 AIR main breaker.

Siemens Energy & Automation

PartNumber	Amperage	Branch Circuit - Max 2-Pole	Branch Circuit - Max 1-Pole	Branch Circuit - Max Spaces 1-Pole	Height	Wt Lbs/Oz
G3030B3100CU	100	30	30	14	30"	38

LOAD CENTERS - SIEMENS

EQ Load Centers

EQ III - Main Lugs - 1 Phase - 120/240V AC

NEMA 1 - Indoor - Aluminum Bus



- Standard 14 3/8" width.
- 4 1/4" side wiring gutter.
- Dead front adjustment after trim is installed.
- Circuit directory attached to door.
- Sliding door latch.

Siemens Energy & Automation

PartNumber	Amperage	Branch Circuit - Max 1-Pole	Branch Circuit - Max Spaces 1-Pole	Branch Circuit - Max 2-Pole	Height	Wt Lbs/Oz
E0408ML1125S	125	8	4	2	12.625"	30
E0816ML1125S	125	16	8	4	14.75"	12
G1224L1125	125	24	12	6	18"	22
G1624L1125	125	24	16	8	21"	20
G2424L1125	125	24	24	12	24"	24
G2030L1150	150	30	20	10	24"	23
G2040L1200	200	40	20	10	27"	25
G3040L1200	200	40	30	14	33"	30
G4040L1200	200	40	40	20	36"	34

EQ - Main Lugs - 1 Phase - 120/240V AC

NEMA 1 - Indoor - Copper Bus



- Standard 14 3/8" width.
- 4 1/4" side wiring gutter.
- Dead front adjustment after trim is installed.
- Circuit directory attached to door.
- Sliding door latch.

Siemens Energy & Automation

PartNumber	Amperage	Branch Circuit - Max 2-Pole	Branch Circuit - Max Circuits 1-Pole	Branch Circuit - Max Spaces 1-Pole	Height	Wt Lbs/Oz
G3040L1200CU	200	14	40	30	33"	31
G4242L1225CU	225	20	42	42	39"	36
G1624L1125CU	125	8	24	16	21"	21
G1224L1125CU	125	6	24	12	18"	23
E0204ML1125SCU	125	1	4	2	17.125"	8
E0816ML1125SCU	125	4	16	8	14.75"	12

LOAD CENTERS - SIEMENS

EQ Load Centers

EQ III - Main Lugs - 1 Phase - 120/240V AC

NEMA 3R - Outdoor - Aluminum Bus



- Three-wire, split neutral.
- Trim fits surface and flush mount applications.
- Main lugs and neutral on same plane, same drive.
- Service lugs for positive securing of wires.
- Main bus held against base pan for solid installation.
- Fixed, aligned and beveled bus stabs.
- Standard 14 3/8" width.
- 4 1/4" side wiring gutter.
- Circuit directory attached to door.
- Factory installed bus bar protector.
- Factory installed 100,000 AIR main breaker.

Siemens Energy & Automation

PartNumber	Amperage	Branch Circuit - Max Circuits 1-Pole	Branch Circuit - Max Circuits 1-Pole	Branch Circuit - Max 2-Pole	Height	Wt Lbs/Oz
W0204ML1060	60	4	2	1	8"	18
W0408ML1125	125	8	4	2	12.25"	34

EQ - Main Lugs - 1 Phase - 120/240V AC

NEMA 3R - Outdoor - Copper Bus



- Standard 14 3/8" width.
- 4 1/4" side wiring gutter.
- Dead front adjustment after trim is installed.
- Circuit directory attached to door.
- Sliding door latch.

Siemens Energy & Automation

PartNumber	Amperage	Branch Circuit - Max 2-Pole	Branch Circuit - Max Circuits 1-Pole	Branch Circuit - Max Spaces 1-Pole	Height	Wt Lbs/Oz
W0204ML1125CU	125	1	4	2	17.125"	9
W0816ML1125CU	125	4	16	8	14.75"	13

EQ - Main Lugs - 3 Phase, 3 Wire 240V AC or 3 Phase, 4 Wire 120/208V AC

NEMA 1 - Indoor - Copper Bus



- Standard 14 3/8" width.
- Flat door, beveled trim for flush installation on NEMA 1 units.
- 4 1/4" side wiring gutter.
- Dead front adjustment after trim is installed.
- Code-gauge steel with gray enamel finish.
- Circuit directory attached to door.
- Sliding door latch.
- Factory installed 10,000 AIR main breaker.

Siemens Energy & Automation

PartNumber	Amperage	Branch Circuit - Max 2-Pole	Branch Circuit - Max Circuits 1-Pole	Branch Circuit - Max Spaces 1-Pole	Height	Wt Lbs/Oz
G3042L3200CU	200	14	42	30	30"	33
G1836ML3150CU	150	9	36	18	24"	25

LOAD CENTERS - SIEMENS

EQ Load Centers

EQ - Main Lugs - 3 Phase, 3 Wire 240V AC or 3 Phase, 4 Wire 120/208V AC

NEMA 3R - Outdoor - Copper Bus



- Standard 14 3/8" width.
- Flat door, beveled trim for flush installation on NEMA 1 units.
- 4 1/4" side wiring gutter.
- Dead front adjustment after trim is installed.
- Code-gauge steel with gray enamel finish.
- Circuit directory attached to door.
- Sliding door latch.
- Factory installed 10,000 AIR main breaker.

Siemens Energy & Automation

PartNumber	Amperage	Branch Circuit - Max 2-Pole	Branch Circuit - Max Circuits 1-Pole	Branch Circuit - Max Spaces 1-Pole	Height	Wt Lbs/Oz
W1224ML3125CU	125		12	6	21"	24
W3042L3200CU	200	14	42	30	30"	31

CONVERSION KITS - SIEMENS

Conversion Kits

EQ - Main Lug to Main Breaker



- Includes circuit breaker with necessary hardware to convert main lug feed-thru or convertible main load center to single main breaker device.
- 22,000 AIR main breaker.

Siemens Energy & Automation

PartNumber	Amperage	No Poles
MBK200	200	Use in Old Style Panel

EQ - Main Lug to Main Breaker



- Includes circuit breaker with necessary hardware to convert main lug feed-thru or convertible main load center to single main breaker device.
- 22,000 AIR main breaker.

Siemens Energy & Automation

PartNumber	Amperage	No Poles
MBK200A	200	Use in 200-225A Ultimate® Load Center

LOAD CENTER ACCESSORIES - SIEMENS

Ground Bar Kits

Siemens EQ

- #4-14 Cu/Al wire range.



Siemens Energy & Automation

PartNumber	Size	AWG	Description
ECGB5	2.0625"L	#4 - #14 kcmil Cu/Al	5 Position Ground Bar Kit
ECGB10	4.1875"L	#4 - #14 kcmil Cu/Al	10 Position Ground Bar Kit
ECGB14	5.5"L	#4 - #14 kcmil Cu/Al	14 Position Ground Bar Kit
ECGB20	7.625"L	#4 - #14 kcmil Cu/Al	20 Position Ground Bar Kit
ECINSGB-5			5 Position, Insulated/Isolated Ground Bar
ECINSGB-14			14 Position, Insulated/Isolated Ground Bar

Retainer Clips

Main Breaker

- For back-feed applications.



Siemens Energy & Automation

PartNumber	Description
ECMBR1	Retainer Clip for Siemens EQ loadcenters only, main breaker hold-down kit
ECMBR2	Retainer Clip for Siemens Ultimate loadcenters only, main breaker hold-down kit

Load Center Locks

EQ - Add-A-Lock

- For 100A-225A load centers.



Siemens Energy & Automation

PartNumber	Description
ECQFL2	Flush Lock (add a lock) for 100A - 225A EQ loadcenters
ECQFL1	Flush Lock (add a lock) Replacement only



LOAD CENTER ACCESSORIES - SIEMENS

Circuit Breaker Lock-Off

Handle Blocking Devices

Lock-Off Device

- Breaker Lock-off device
- For holding breaker in "on" and "off" position
- NOT padlockable



Siemens Energy & Automation

PartNumber	Description
ECQL1	Use with tye BL, BLH, HBL, QP, QPH, HQP, BQ, BQH, HBQ breakers

UNIT ENCLOSURES - SIEMENS

Individual Circuit Breaker Enclosures

- Enclosures accept single circuit breaker of any amperage up to max listing
- Use as disconnect with overload & short circuit protection for a single load
- Suitable for use as service entrance equipment



Siemens Energy & Automation

PartNumber	Frame Type	Amperage	Poles	Max Current Rating	NEMA Type	Size	Wt Lbs/Oz
W0406ML1225CU	QPP, QPPH, HQPP, QP	225	1 - 4	1 Phase, 3 Wire 5N 120/240V AC	NEMA 3R Outdoor Enclosure	23"H x 10"W x 4-1/8"E	24 lbs
WB2225	QJ2-H	225	2 - 3	1 Phase, 3 Wire 5N 120/240V AC	NEMA 3R Outdoor Enclosure	27"H x 7-3/8"W x 4-5/16"D	17 lbs
E0204ML1060S	QP, QPH, HQP	60	2	1 Phase, 3 Wire 120/240V AC	NEMA 1 Indoor Enclosure	9-7/8"H x 5-1/8"W x 2-5/8"D	16 lbs



CIRCUIT BREAKERS - SIEMENS

Molded Case Circuit Breakers

QP

EQ 125A Frame - Plug-In



- Full Size (1" per pole).
- 2 & 3 Pole Breakers have common trip.

Siemens Energy & Automation

PartNumber	Amperage	Poles	Voltage	kAIC
Q115	15	1	120	10
Q120	20	1	120	10
Q130	30	1	120	10
Q140	40	1	120	10
Q215	15	2	120/240	10
Q220	20	2	120/240	10
Q230	30	2	120/240	10
Q240	40	2	120/240	10
Q250	50	2	120/240	10
Q260	60	2	120/240	10
Q270	70	2	120/240	10
Q280	80	2	120/240	10
Q2100	100	2	120/240	10
Q2125	125	2	120/240	10
Q315	15	3	240	10
Q320	20	3	240	10
Q330	30	3	240	10
Q340	40	3	240	10
Q350	50	3	240	10
Q360	60	3	240	10
Q370	70	3	240	10
Q380	80	3	240	10
Q390	90	3	240	10
Q3100	100	3	240	10

CIRCUIT BREAKERS - SIEMENS

Molded Case Circuit Breakers

QT - Dual

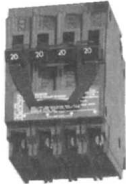


- 2 single pole breakers in one common 1" frame.
- Half size (1/2" per pole).

Siemens Energy & Automation

PartNumber	Amperage	Poles	Voltage	kAIC
Q1515	15-15	2 - SP	120/240	10
Q1520	15-20	2 - SP	120/240	10
Q2020	20-20	2 - SP	120/240	10

QT - Quad - Noncommon Trip

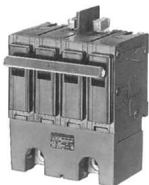


- Each Space Saver Quadplex Breaker provides one common trip and one non-common trip, two pole breaker for 120/240V AC circuits.
- Requires two panel spaces.

Siemens Energy & Automation

PartNumber	Amperage	Poles	Voltage	kAIC
Q23050	30-50	2	120/240	10
Q21515	15-15	2	120/240	10
Q22020	20-20	2	120/240	10
Q23020	30-20	2	120/240	10
Q23030	30-30	2	120/240	10
Q24030	40-30	2	120/240	10
Q24040	40-40	2	120/240	10

QPP - Noninterchangeable Common Trip



- Circuit Breaker is 4 poles wide.
- For use on 200A modular and uni-pak metering, and on 300-600A load centers.

Siemens Energy & Automation

PartNumber	Amperage	Poles	Voltage	kAIC
Q2150B	150	2	120/240	10
Q2200B	200	2	120/240	10

CIRCUIT BREAKERS - SIEMENS

Molded Case Circuit Breakers

QPF

EQ 125A Frame - GFCI Personnel Protection - Plug-In

- 5 mA GFCI Rating.
- Standard I²t per pole format.



Siemens Energy & Automation

PartNumber	Amperage	Poles	Voltage	kAIC
QF115	15	1	120	10
QF120	20	1	120	10
QF130	30	1	120	10
QF220	20	2	120/240	10
QF230	30	2	120/240	10
QF240	40	2	120/240	10
QF250	50	2	120/240	...
QF260	60	2	120/240	...

QAF - AFCI - Plug-In - Residential



Siemens Energy & Automation

PartNumber	Amperage	Poles	AWG	kAIC
Q115AF	15	1	#8 - #14 AWG	10
Q120AF	20	1	#8 - #14 AWG	10



LOAD CENTERS - CUTLER HAMMER

Type CH - Main Breaker - 1 Phase 3-Wire - 120/240 VAC - Split Neutral

Indoor NEMA Type 1 - Top/Bottom Feed



- Commercial grade
- Feature solid copper bus and branch fingers in all interiors
- Tin-plated fingers rated 140A
- One-piece steel backpan
- Single keyhole mounting, top and bottom
- Flexible neutral design
- Factory bonded for service entrance applications
- Removable bonding strap. For separate neutral and ground bars for sub-feed application
- Additional 2/0 lugs provided
- Order cover separately (combination style may be used in surface or flush applications for NEMA 1 units)

Cutler-Hammer

PartNumber	Amperage	AWG	Cover	Poles
CH22B100C	100	#6-1/0 Cu/Al Wire 60C / 75C	CH8CF (Combination) - CH8CS (Surface)	22 - 3/4" Breakers (Max)
CH22B125C	125	#6-1/0 Cu/Al Wire 60C / 75C	CH8CF (Combination) - CH8CS (Surface)	23 - 3/4" Breakers (Max)
CH32B200J	200	#2-300 kcmil Cu/Al Wire 60C / 75C	CH8JF (Combination) - CH8JS (Surface)	32 - 3/4" Breakers (Max)
CH42B200K	200	#2-300 kcmil Cu/Al Wire 60C / 75C	CH8KF (Combination) - CH8KS (Surface)	42 - 3/4" Breakers (Max)

Outdoor NEMA Type 3R w/ Cover



- Commercial grade
- Feature solid copper bus and branch fingers in all interiors
- Tin-plated fingers rated 140A
- One-piece steel backpan bottom
- Flexible neutral design
- Factory bonded for service entrance applications
- Removable bonding strap. For separate neutral and ground bars for sub-feed application
- Additional 2/0 lugs provided
- Order cover separately, (combination style may be used in surface or flush applications for NEMA 1 units)
- Covers *included* on NEMA 3 units

Cutler-Hammer

PartNumber	Amperage	AWG	Cover	Poles
CH22B100R	100	#6-1/0 Cu/Al Wire 60C / 75C	Cover Included	22 - 3/4" Breakers (Max)



LOAD CENTERS - CUTLER HAMMER

Type CH - Main Lug - 1 Phase 3-Wire - 120/240 VAC

Indoor NEMA Type 1

Insulated/Bondable Neutral



- Commercial grade
- Feature solid copper bus and branch fingers in all interiors
- Tin-plated fingers rated 140A
- One-piece steel backpan
- Single keyhole mounting
- Flexible neutral design
- Factory bonded for service entrance applications
- Removable bonding strap for separate neutral and ground bars for sub-feed application
- Scratch-resistant sandalwood finish
- Additional 2/0 lugs provided
- Cover (*order separately*)

Cutler-Hammer

PartNumber	Amperage	AWG	Cover	Poles	Spaces
CH8L125SP	125	#14-1/0 Cu/Al Wire 60C / 75C	Surface Trim (No Door)	16 (Requires use of CHNT Breakers)	8 - 3/4" Breakers (Max)

Twin Neutral



- Commercial grade
- Feature solid copper bus and branch fingers in all interiors
- Tin-plated fingers rated 140A
- One-piece steel backpan
- Single keyhole mounting
- Flexible neutral design
- Factory bonded for service entrance applications
- Removable bonding strap
- Scratch-resistant sandalwood finish
- Additional 2/0 lugs provided
- Cover (*order separately*)

Cutler-Hammer

PartNumber	Amperage	AWG	Cover	Poles
CH12L125B	125	#6-2/0 Cu/Al Wire 60C / 75C	CH8BF (Combination) / CH8BS (Surface)	12 (Requires use of CHNT Breakers-3/4" Max)
CH16L125B	125	#6-2/0 Cu/Al Wire 60C / 75C	CH8BF (Combination) / CH8BS (Surface)	16 (Requires use of CHNT Breakers-3/4" Max)
CH24L125C	125	#6-2/0 Cu/Al Wire 60C / 75C	CH8CF (Combination) / CH8CS (Surface)	24 (Requires use of CHNT Breakers-3/4" Max)



LOAD CENTERS - CUTLER HAMMER

Type CH - Main Lug - 1 Phase 3-Wire - 120/240 VAC

Outdoor NEMA Type 3R w/ Cover

Insulated/Bondable Neutral



INDOOR FLUSH LOAD CENTER

- Commercial grade
- Feature solid copper bus and branch fingers in all interiors
- Tin-plated fingers rated 140A
- One-piece steel backpan
- Single keyhole mounting
- Flexible neutral design
- Factory bonded for service entrance applications
- Removable bonding strap for separate neutral and ground bars for sub-feed application
- Scratch-resistant sandalwood finish
- Additional 2/0 lugs provided
- Cover (*order separately*)

Cutler-Hammer

PartNumber	Amperage	AWG	Cover	Poles	Spaces
CH8L125RP	125	#14-1/0Cu/Al Wire 60C / 75C	Cover Included	16 (Requires use of CHNT Breakers)	8 - 3/4" Breakers (Max)

Type CH - Loadcenter Covers

Main Breaker/Main Lug - Indoor

Combination / Surface Covers



Cutler-Hammer

PartNumber	Description
CH8BF	Flush/Surface (Combination Cover)
CH8BS	Surface Cover
CH8CF	Flush/Surface (Combination Cover)
CH8CS	Surface Cover
CH8DF	Flush/Surface (Combination Cover)
CH8DS	Surface Cover
CH8EF	Flush/Surface (Combination Cover)
CH8GF	Flush/Surface (Combination Cover)
CH8GS	Surface Cover
CH8JF	Flush/Surface (Combination Cover)
CH8JS	Surface Cover
CH8KF	Flush/Surface (Combination Cover)
CH8KS	Surface Cover

CIRCUIT BREAKERS - CUTLER HAMMER

Molded Case Circuit Breakers

Type CH - Plug-On

120/240 VAC or 240 VAC - Common Trip



- Quick-make, quick-break switch mechanism combined with trip-free handle design and inverse time element tripping operation.
- Thermal-magnetic trip curve avoids tripping on mild overloads, but reacts instantaneously to severe short circuit conditions.
- Handles marked with ON-OFF indication and amp rating.
- HACR rated.
- 10kAIC.

Cutler-Hammer

PartNumber	Amperage	Poles
CH-115	15	1
CH-120	20	1
CH-130	30	1
CH-215	15	2
CH-220	20	2
CH-230	30	2
CH-240	40	2
CH-250	50	2
CH-260	60	2
CH-270	70	2
CH-280	80	2
CH2100	100	2
CH-320	20	3
CH2125	125	2
CH-330	30	3
CH-340	40	3
CH-350	50	3
CH-360	60	3
CH-370	70	3
CH3100	100	3

Type CH - Plug-On - GFCI - Ground Fault Circuit Breaker

120 or 120/240 VAC - Common Trip



- Quick-make, quick-break switch mechanism combined with trip-free handle design and inverse time element tripping operation.
- Thermal-magnetic trip curve avoids tripping on mild overloads, but reacts instantaneously to severe short circuit conditions.
- Handles marked with ON-OFF indication and amp rating.
- 10kAIC.
- #14-6 Cu/Al wire size at 60°C or 75°C.

Cutler-Hammer

PartNumber	Amperage	Poles
CH-115GF	15	1
CH-120GF	20	1
CH220GF	20	2
CH250GF	50	2

CIRCUIT BREAKERS - CUTLER HAMMER

Molded Case Circuit Breakers

FIRE-GUARD AFCI - Type CH - Plug-On - Arc Fault Circuit Breaker

120 VAC



- Quick-make, quick-break switch mechanism combined with trip-free handle design and inverse time element tripping operation.
- Trip to OFF position eliminating callbacks.
- Thermal-magnetic trip curve avoids tripping on mild overloads, but reacts instantaneously to severe short circuit conditions.
- Handles marked with ON-OFF indication and amp rating.
- 10kAIC.

Cutler-Hammer

PartNumber	Amperage	Poles
CH115AF	15	1
CH120AF	20	1

Type CHT - Class CTL - Plug-On - Twin

120 VAC



- Single-pole with rejection feature.
- Quick-make, quick-break switch mechanism combined with trip-free handle design and inverse time element tripping operation.
- Trip to OFF position eliminating callbacks.
- Thermal-magnetic trip curve avoids tripping on mild overloads, but reacts instantaneously to severe short circuit conditions.
- Handles marked with ON-OFF indication and amp rating.
- 10kAIC.
- #14-8 Cu/Al wire size at 60°C or 75°C.

Cutler-Hammer

PartNumber	Amperage	Poles	AWG
CHT1515	15-15	1	#14-8 kcmil Cu/Al Wire 60C / 75C
CHT2020	20-20	1	#14-8 kcmil Cu/Al Wire 60C / 75C

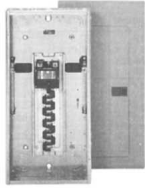


LOAD CENTERS - CUTLER HAMMER

Type BR - Main Breaker - 1 Phase 3-Wire - 120/240 VAC - Split Neutral

Indoor NEMA Type 1

Aluminum Bus



- Service entrance approved.
- Commercial grade.
- Feature tin-plated aluminum bus.
- One-piece rolled form metal backpan with circuit breaker alignment notches to assure accurately aligned breaker and bus stabs.
- Drywall marking on enclosure.
- Twin neutral design.
- Standard 14 3/8" wide enclosures fit between wall studs.
- Extra 1 1/2" knockout for bundling wire.
- Pre-attached neutral bonding strap.
- Pre-drilled mounting holes to install ground bar kits.
- Combination trim has sliding latch and adjustable deadfront.

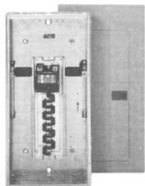
Cutler-Hammer

PartNumber	Amperage	AWG	kAIC	Poles	Spaces
BR2020B100	100	#4-1/0 kcmil Cu/Al Wire Size 60C or 75C	10	20 - 1" Poles (Max)	20 - 1" Spaces (Max)
BR1624B100	100	#4-1/0 kcmil Cu/Al Wire Size 60C or 75C	10	24 - 1" Poles (Max)	16 - 1" Spaces (Max)
BR2040B200	200	#2-300 kcmil Cu/Al Wire Size 60C or 75C	10	40 - 1" Poles (Max)	20 - 1" Spaces (Max)
BR3040B200	200	#2-300 kcmil Cu/Al Wire Size 60C or 75C	10	40 - 1" Poles (Max)	30 - 1" Spaces (Max)
BR4040B200	200	#2-300 kcmil Cu/Al Wire Size 60C or 75C	10	40 - 1" Poles (Max)	40 - 1" Spaces (Max)
BR3040B200V2	200	#2-300 kcmil Cu/Al Wire Size 60C or 75C	10	40 - 1" Poles (Max)	30 - 1" Spaces (Max)
BR4040B200V2	200	#2-300 kcmil Cu/Al Wire Size 60C or 75C	10	40 - 1" Poles (Max)	40 - 1" Spaces (Max)

Type BR - Main Breaker - 1 Phase 3-Wire - 120/240 VAC - Insulated/Bondable Neutral

Indoor NEMA Type 1 w/ Combination Cover

Copper Bus



- Service entrance approved.
- Commercial grade.
- Feature tin-plated bus.
- One-piece rolled form metal backpan with circuit breaker alignment notches to assure accurately aligned breaker and bus stabs.
- Drywall marking on enclosure.
- Twin neutral design.
- Maximum wiring gutter space.
- Standard 14 3/8" wide enclosures fit between wall studs.
- Extra 1 1/2" knockout for bundling wire.
- Pre-attached neutral bonding strap.
- Pre-drilled mounting holes to install ground bar kits.
- Combination trim has sliding latch and adjustable deadfront.

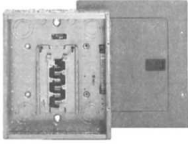
Cutler-Hammer

PartNumber	Amperage	AWG	kAIC	Poles	Spaces
BR3030BC100	100	#4-2/0 kcmil Cu/Al Wire Size 60C or 75C	10	30 - 1" Poles (Max)	30 - 1" Spaces (Max)
BR3040BC200	200	#2-300 kcmil Cu/Al Wire Size 60C or 75C	10	30 - 1" Poles (Max)	40 - 1" Spaces (Max)

LOAD CENTERS - CUTLER HAMMER

Type BR - Main Lug - 1 Phase 3-Wire - 120/240 VAC - Insulated/Bondable Neutral

Indoor NEMA Type 1 w/ Combination Cover



- Service entrance approved.
- Commercial grade.
- Feature tin-plated aluminum bus.
- One-piece rolled form metal backpan with circuit breaker alignment notches to assure accurately aligned breaker and bus stabs.
- Drywall marking on enclosure.
- Twin neutral design.
- Standard 14 3/8" wide enclosures fit between wall studs.
- Extra 1 1/2" knockout for bundling wire.
- Preattached neutral bonding strap.
- Predrilled mounting holes to install ground bar kits.
- Combination trim has sliding latch and adjustable deadfront.
- Galvanized sheet steel enclosure.

Cutler-Hammer

PartNumber	Amperage	AWG	kAIC	Poles	Spaces	Description
BR1224L125G	125	#6-2/0 kcmil Cu/Al Wire Size 60C or 75C	10	24 - 1" Poles (Max)	12 - 1" Spaces (Max)	Ground Bar GBK10 Installed
BR1624L125	125	#6-2/0 kcmil Cu/Al Wire Size 60C or 75C	10	24 - 1" Poles (Max)	16 - 1" Spaces (Max)	
BR1624L125G	125	#6-2/0 kcmil Cu/Al Wire Size 60C or 75C	10	24 - 1" Poles (Max)	16 - 1" Spaces (Max)	Ground Bar GBK10 Installed
BR2024L125G	125	#6-2/0 kcmil Cu/Al Wire Size 60C or 75C	10	24 - 1" Poles (Max)	20 - 1" Spaces (Max)	Ground Bar GBK1220 Installed
BR2040L200	200	#1-300 kcmil Cu/Al Wire Size 60C or 75C	10	40 - 1" Poles (Max)	20 - 1" Spaces (Max)	
BR3040L200	200	#1-300 kcmil Cu/Al Wire Size 60C or 75C	10	40 - 1" Poles (Max)	30 - 1" Spaces (Max)	
BR3040L200G	200	#1-300 kcmil Cu/Al Wire Size 60C or 75C	10	40 - 1" Poles (Max)	30 - 1" Spaces (Max)	Ground Bar GBK1220 Installed
BR4242L225	225	#1-300 kcmil Cu/Al Wire Size 60C or 75C	10	42 - 1" Poles (Max)	42 - 1" Spaces (Max)	

LOAD CENTERS - CUTLER HAMMER

Type BR - Main Breaker - 3 Phase 4-Wire - 208Y/120 - 240 VAC - Insulated/Bondable Neutral

Indoor NEMA Type 1 w/ Combination Cover

Aluminum Bus



- Service entrance approved.
- Commercial grade.
- Feature tin-plated aluminum bus.
- One-piece rolled form metal backpan with circuit breaker alignment notches to assure accurately aligned breaker and bus stabs.
- Drywall marking on enclosure.
- Twin neutral design.
- Standard 14 3/8" wide enclosures fit between wall studs.
- Extra 1 1/2" knockout for bundling wire.
- Pre-attached neutral bonding strap.
- Pre-drilled mounting holes to install ground bar kits.
- Combination trim has sliding latch and adjustable deadfront.
- Galvanized sheet steel enclosure.

Cutler-Hammer

PartNumber	Amperage	AWG	kAIC	Poles	Spaces
3BR4242B200	200	#1-250 kcmil Cu/Al Wire Size 60C or 75C	10	42 - 1" Poles (Max)	42 - 1" Spaces (Max)

CIRCUIT BREAKERS - CUTLER HAMMER

Molded Case Circuit Breakers

Type BR - Plug-On

1-Pole - 120/240 VAC - Common Trip



- Each pole with inverse time delay overload and instantaneous short circuit protection using thermal and magnetic sensors.
- Thermal bimetal element welded to steel frame.
- Nonwelding silver alloy contacts.
- Handles marked with ON-OFF indication and amp rating.
- HACR rated.
- 10kAIC.

Cutler-Hammer

PartNumber	Amperage	Poles
BR115	15	1
BR120	20	1
BR130	30	1



CIRCUIT BREAKERS - CUTLER HAMMER

Molded Case Circuit Breakers

Type BR - Plug-On

2-Pole - 120/240 VAC - Common Trip



- Each pole with inverse time delay overload and instantaneous short circuit protection using thermal and magnetic sensors.
- Thermal bimetal element welded to steel frame.
- Nonwelding silver alloy contacts.
- Handles marked with ON-OFF indication and amp rating.
- HACR rated.
- 10kAIC.

Cutler-Hammer

PartNumber	Amperage	Poles
BR215	15	2
BR220	20	2
BR230	30	2
BR240	40	2
BR250	50	2
BR260	60	2
BR270	70	2
BR2100	100	2
BR2125	125	2

3-Pole - 240 VAC - Common Trip



- Each pole with inverse time delay overload and instantaneous short circuit protection using thermal and magnetic sensors.
- Thermal bimetal element welded to steel frame.
- Nonwelding silver alloy contacts.
- Handles marked with ON-OFF indication and amp rating.
- HACR rated.
- 10kAIC.

Cutler-Hammer

PartNumber	Amperage	Poles
BR320	20	3
BR330	30	3
BR340	40	3
BR350	50	3
BR360	6060	3
BR3100	100	3

CIRCUIT BREAKERS - CUTLER HAMMER

Molded Case Circuit Breakers

Type BR - Plug-On - GFCB

1-Pole 120VAC / 2-Pole 120/240 VAC



- Each pole with inverse time delay overload and instantaneous short circuit protection using thermal and magnetic sensors.
- Thermal bimetal element welded to steel frame.
- Nonwelding silver alloy contacts.
- Handles marked with ON-OFF indication and amp rating.
- HACR rated.

Cutler-Hammer

PartNumber	Amperage	Poles	kAIC	Description
GFCB115	15	1	10	Ground fault circuit breaker
GFCB120	20	1	10	Ground fault circuit breaker
GFCB250	50	2	10	Ground fault circuit breaker

Type BR - FIRE-GUARD AFCI - Arc Fault Circuit Breaker

120/240 VAC



- With integrated processor to recognize current and/or voltage signatures associated with arcing faults and acts to interrupt the circuit.
- Combined with thermal and magnetic overloads.
- Each pole with inverse time delay overload and instantaneous short circuit protection using thermal and magnetic sensors.
- Thermal bimetal element welded to steel frame.
- Nonwelding silver alloy contacts.
- Handles marked with ON-OFF indication and amp rating.
- HACR rated.

Cutler-Hammer

PartNumber	Amperage	Poles	kAIC	Description
BR115AF	15	1	10	Arc fault circuit breaker
BR120AF	20	1	10	Arc fault circuit breaker
BRL215AFIT	15	2	10	AFCI Breaker w/ Independent Trip, for shared neutral circuit

Accessories for Type BR Breakers

Handle Lock

Cutler-Hammer

PartNumber	Description
BRLW	Padlockable device for locking the handle of 1, 2 or 3-Pole Type BR circuit breakers

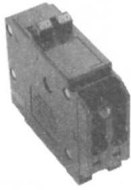


CIRCUIT BREAKERS - CUTLER HAMMER

Molded Case Circuit Breakers

Type BD - Class CTL - Duplex - Plug-On

1-Pole - 120 VAC



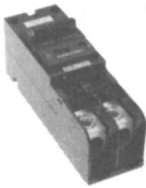
- Two single pole breakers in one frame requiring one 1-inch space.
- Each pole with inverse time delay overload and instantaneous short circuit protection using thermal and magnetic sensors.
- Thermal bimetal element welded to steel frame.
- Nonwelding silver alloy contacts.
- Handles marked with ON-OFF indication and amp rating.
- HACR rated.

Cutler-Hammer

PartNumber	Amperage	Poles	kAIC	Description
BD1515	15/15	1	10	(2) 1P 15A tandem breaker
BD1520	15/20	1	10	(1) 1P 15A and (1) 1P 20A tandem breaker
BD2020	20/20	1	10	(2) 1P 20A tandem breaker

Type BJ - Plug-On - Common Trip

2-Pole - 120/240 VAC



- Breaker uses two 1-inch pole spaces on left side and two 1-inch pole spaces on right side of the load center.
- For use in single and three-phase load centers, 150 Amperes and above.
- Each pole with inverse time delay overload and instantaneous short circuit protection using thermal and magnetic sensors.
- Thermal bimetal element welded to steel frame.
- Nonwelding silver alloy contacts.
- Handles marked with ON-OFF indication and amp rating.

Cutler-Hammer

PartNumber	Amperage	Poles	kAIC	Description
BJ2200	200	2	10	Requires (4) 1" spaces

Type CC - Group Metering - Main Tenant - Bolt-On

2-Pole - 120/240 VAC or 3-Pole - 208Y/120 VAC



- NEMA rated
- Each pole with inverse time delay overload and instantaneous short circuit protection using thermal and magnetic sensors
- Thermal bimetal element welded to steel frame
- Toggle-type switch with non-welding silver alloy contacts
- Handles marked with ON-OFF indication and amp rating

Cutler-Hammer

PartNumber	Amperage	Poles	kAIC	Description
CC2200	200	2	10	Bolt-on breakers used w/ 1MP, 1MM and 3MM 200A modular metering stacks
CC3200X	200	3	10	Bolt-on breakers used w/ 1MP, 1MM and 3MM 200A modular metering stacks

CIRCUIT BREAKERS - CUTLER HAMMER

Molded Case Circuit Breakers

QUICKLAG - Type QBGF - Bolt-On - Class A GFCI

1-Pole - 120 VAC - Miniature Industrial Breakers



Cutler-Hammer

PartNumber	Amperage	Poles	kAIC	Description
QBGF1020	20	1	10	Bolt-on ground fault circuit breakers, 5mA sensitivity, Quicklag I.C. thermal-magnetic

UNIT ENCLOSURES - CUTLER HAMMER

Circuit Breaker Enclosure w/ 200A 2-Pole Breaker

Type ECB - 1 Phase 3-Wire - 240 VAC

Outdoor NEMA Type 3R



- Service entrance approved
- Contain multiple knockouts
- Cover has adjustment feature for flush applications
- With circuit breaker marking labels and directories
- Polyurethane coating, scratch-resistant finish
- Include lug tree kit
- Ground lug accepting one #14-#2 is factory installed
- Pre-drilled holes for GBK5 ground bar

Cutler-Hammer

PartNumber	Amperage	AWG	Description
ECB200RB	200	250 kcmil Cu/Al Wire Size 60C or 75C	Outdoor NEMA 3R, rainproof, hub closure plates, galv. steel, CSR breaker type 2P 200A (included)

UNIT ENCLOSURES - CUTLER HAMMER

Circuit Breaker Enclosures

Type ECC - 1 Phase 3-Wire - 240 VAC

Indoor NEMA Type 1 / Outdoor NEMA Type 3R



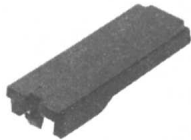
- Service entrance approved
- Contain multiple knockouts
- Cover has adjustment feature for flush applications
- With circuit breaker marking labels and directories
- Polyurethane coating, scratch-resistant finish
- Ground lug accepting one #14-#2 is factory installed
- Pre-drilled holes to accept No. GBK5 ground bar

Cutler-Hammer

PartNumber	Amperage	AWG	Description
ECC225S	225	250 kcmil Cu/Al Wire Size 60C or 75C	Indoor NEMA Type 1, cold rolled code gauge sheet steel, CC breaker type (not included)
ECC225R	225	250 kcmil Cu/Al Wire Size 60C or 75C	Outdoor NEMA Type 3R, galvanized steel, CC breaker type (not included)

FILLER PLATES - CUTLER HAMMER

Load Center Filler Plates



Cutler-Hammer

PartNumber	Description	Buy Pkg
CHFP	3/4" filler plates for branch breaker's slot in CH type breaker loadcenters	1/ea - 25/bx
BRFP	1" filler plates for branch breaker's slot in BR type breaker loadcenters	1/ea - 25/bx

CIRCUIT DIRECTORIES - CUTLER HAMMER

Load Center Circuit Directories

Adhesive Back

Cutler-Hammer

PartNumber	Description	Buy Pkg
TCD	Circuit directory label, adhesive backed, used on BR/CH series loadcenters	1/ea - 10/bx

LUGS - CUTLER HAMMER

Add-On Neutral/Ground Lugs



Cutler-Hammer

PartNumber	Amperage	Description
NL20	125	Neutral lug for a #2/0 Cu/Al wire 60 Deg C or 75 Deg C (max), CH/BR series loadcenters
NL30	150	Neutral lug for a #3/0 Cu/Al wire 60 Deg C or 75 Deg C (max), CH/BR series loadcenters

HANDLE LOCKS - CUTLER HAMMER

Handle Locks

Circuit Breaker



- Secure handle in "on" or "off" position.
- 10/pkg.

Cutler-Hammer

PartNumber	Description
CHLO	Device used to secure handle in ON or OFF position for 1P type CH breakers (handle mounted)

GROUND BAR KITS - CUTLER HAMMER



Cutler-Hammer

PartNumber	Size	Holes	Description
GBK5	2.54"L	5	Ground bar kit, 1.75" distance between mounting holes
GBK10	4.29"L	10	Ground bar kit, 1.75" distance between mounting holes
GBK1020	5.34"L	10	Ground bar kit, 1.75" distance between mounting holes
GBK14	5.69"L	14	Ground bar kit, 1.75" distance between mounting holes
GBK21	8.14"L	21	Ground bar kit, 1.75" distance between mounting holes

PANELBOARDS - SIEMENS

Panelboards - Unassembled

Type P1 - Class CTL

Convertible Mains



Siemens Energy & Automation

PartNumber	Amperage	Spaces	kAIC	Voltage	Phase	Description
P1A42MC400A	400	42	10	120/240	1	Aluminum Bus interior, unassembled panel board component
P1A18MC250A	250	18	10	120/240	1	Aluminum Bus interior, unassembled panel board component
P1A30MC250A	250	30	10	120/240	1	Aluminum Bus interior, unassembled panel board component
P1A42MC250A	250	42	10	120/240	1	Aluminum Bus interior, unassembled panel board component
P1X18MC250A	250	18	10	120/240	2	Aluminum Bus interior, unassembled panel board component
P1X30MC250A	250	30	10	120/240	2	Aluminum Bus interior, unassembled panel board component
P1X42MC250A	250	42	10	120/240	2	Aluminum Bus interior, unassembled panel board component
P1X42MC400A	400	42	10	120/240	2	Aluminum Bus interior, unassembled panel board component
P1X30MC250C	250	30	10	120/240	2	Copper Bus interior, unassembled panel board component
P1X42MC250C	250	42	10	120/240	2	Copper Bus interior, unassembled panel board component
P1E18MC250A	250	18	10	480Y/277	3	Aluminum Bus interior, unassembled panel board component
P1E30MC250A	250	30	10	480Y/277	3	Aluminum Bus interior, unassembled panel board component
P1E42MC250A	250	42	10	480Y/277	3	Aluminum Bus interior, unassembled panel board component
P1E42MC400A	400	42	10	480Y/277	3	Aluminum Bus interior, unassembled panel board component

LUGS - SIEMENS

Panelboard Lug Kits

Type P1 - Main or Feed-Thru



Siemens Energy & Automation

PartNumber	Amperage	AWG	Phase	Description
4MLKA1	400	(2) 3/0-(1) 600 kcmil Cu/Al	1	Aluminum main lug kit for P1 series panels (main or feed thru),unassembled panel board component
4MLKA3	400	(2) 3/0-(1) 600 kcmil Cu/Al	3	Aluminum main lug kit for P1 series panels (main or feed thru), unassembled panel board component

MOUNTING KITS - SIEMENS

Panelboard Breaker Mounting Kits

Type P1 Panelboards

Mounting Kit Without Breaker

- Without breaker



Siemens Energy & Automation

PartNumber	Amperage	Phase	Description
MBKBL1	100	1	Breaker mounting kit (main or subfeed) for BL, BLH, HBL breakers (not included)
MBKBL3	100	3	Breaker mounting kit (main or subfeed) for BL, BLH, HBL breakers (not included)



MOUNTING KITS - SIEMENS

Panelboard Breaker Mounting Kits - Type QJ, ED, JD

Type P1 Panelboards

Mounting Kit With Breaker



- Unassembled Panel Board Main Breaker Kit with Lugs

Siemens Energy & Automation

PartNumber	Amperage	Phase	KAIC	Description
MBKQJ1200	200	1	11 KA at 240V	Breaker mounting kit w/ 2-Pole QJ2 200A Breaker and lug kit for P1 Panels
MBKQJ3200	200	3	10 KA at 240V	Breaker mounting kit w/ 3-Pole QJ2 200A Breaker and lug kit for P1 Panels
MBKQJ3225	225	3	12 KA at 240V	Breaker mounting kit w/ 3-Pole QJ2 225A Breaker and lug kit for P1 Panels
MBKED3100	100	3	65 KA at 240V / 18 KA at 480V	Breaker mounting kit w/ 3-Pole ED43B100 100A Breaker and (3) lug kit LN1E100
MBKJD1400	400	1	65 KA at 240V / 35 KA at 480V	Breaker mounting kit w/ 2-pole JXD6 400A breaker for P1 panels, top fed only
MBKJD3400	400	3	65 KA at 240V / 35 KA at 480V	Breaker mounting kit w/ 3-pole JXD6 400A breaker for P1 panels, top fed only

FRONTS - SIEMENS

Panelboard Fronts - Surface

Type P1 Panelboards

FAS Latch Standard Trims - Type 1



Siemens Energy & Automation

PartNumber	Size	Description
S32B	32" Height	Surface panelboard trim, type N1 indoor
S38B	38" Height	Surface panelboard trim, type N1 indoor
S44B	44" Height	Surface panelboard trim, type N1 indoor
S68B	68" Height	Surface panelboard trim, type N1 indoor

FRONTS - SIEMENS

Panelboard Fronts - Flush

Type P1 Panelboards

FAS Latch Standard Trims - Type 1



- Complete with door and hardware.
- Light gray finish.

Siemens Energy & Automation

PartNumber	Size	Description
F32B	32" Height	Flush panelboard trim, type N1 indoor
F38B	38" Height	Flush panelboard trim, type N1 indoor
F44B	44" Height	Flush panelboard trim, type N1 indoor

BOXES - SIEMENS

Panelboard Boxes

Type P1 Panelboards

NEMA Type 1 - Indoor



- Furnished with blank end walls as standard.
- 20"W x 5 3/4"D.

Siemens Energy & Automation

PartNumber	Size	Description
B32	32" Height	Standard panelboard box, type N1 indoor
B38	38" Height	Standard panelboard box, type N1 indoor
B44	44" Height	Standard panelboard box, type N1 indoor
B68	68" Height	Standard panelboard box, type N1 indoor

NEMA Type 3R/12 - Outdoor

Siemens Energy & Automation

PartNumber	Size	Description
WP32	32" Height	Indoor/Outdoor/Hazardous panelboard box, type N3R/N12
WP44	44" Height	Indoor/Outdoor/Hazardous panelboard box, type N3R/N12

CONNECTORS - SIEMENS

Panelboard Ground Bus Assemblies

Type P1, P2 & P3 Panelboards



- For S1, S2, S3 and SE panelboards.

Siemens Energy & Automation

PartNumber	Description
EGK	Aluminum ground bus, 44 connections
ECGK	Copper ground bus, 44 connections
IGK	Insulated Aluminum ground bus

LUGS - SIEMENS

Panelboard Lug Kits

Neutral Lug Kits



- Main or feed-thru.

Siemens Energy & Automation

PartNumber	AWG	Description
ECLK3	#1-300 kcmil Cu/Al wire	Cu/Al neutral lug kit

Main or Feed Thru Panel Lug Kits

Type P1, P2 & P3 Panelboards



- Main or feed-thru.

Siemens Energy & Automation

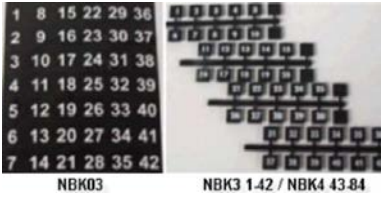
PartNumber	Amperage	AWG	Phase	Description
MLKA1	250	(1) #6 AWG-350 kcmil Cu/Al	1	Aluminum lug kit for main or feed thru panelboards
MLKA3	250	(1) #6 AWG-350 kcmil Cu/Al	3	Aluminum lug kit for main or feed thru panelboards
MLKC3	250	(1) #6 AWG-350 kcmil Cu/Al	3	Copper lug kit for main or feed thru panelboards

LABELS - SIEMENS

Panelboard Labels

Type P1, P2 & P3 Panelboards

- Number labels used for P1, P2, P3 panelboards and (S1, S2, S3 and SE panelboards)



Siemens Energy & Automation

PartNumber	Description
NBK03	Black Number Strips 1 - 42
NBK3	Black Number Strips 1 - 42
NBK4	Black Number Strips 43 - 84

DIRECTORY CARDS / HOLDERS - SIEMENS

Panelboard Card Holders

Type P1, P2 & P3 Panelboards



Siemens Energy & Automation

PartNumber	Description
11-1824-01	Directory Card Holder

Panelboard Directory Cards

Type P1, P2 & P3 Panelboards



Siemens Energy & Automation

PartNumber	Description
12-1110-01	Directory Cards



CIRCUIT BREAKERS - SIEMENS

Molded Case Circuit Breakers

Type BL - Noninterchangeable Trip

Panelboard Mount - Low Tab Bolt-On



- Common trip.
- With load-side connectors.
- Calibrated to 40°C maximum ambient applications.
- HACR rated.

Siemens Energy & Automation

PartNumber	Amperage	Poles	Voltage	kAIC
B115	15 (Cont Current Rating at 40 Deg C)	1	120/240 AC	10
B120	20 (Cont Current Rating at 40 Deg C)	1	120/240 AC	10
B130	30 (Cont Current Rating at 40 Deg C)	1	120/240 AC	10
B215	15 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
B220	20 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
B230	30 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
B240	40 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
B250	50 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
B260	60 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
B270	70 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
B280	80 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
B2125	125 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
B315	15 (Cont Current Rating at 40 Deg C)	3	240 AC	10
B320	20 (Cont Current Rating at 40 Deg C)	3	240 AC	10
B330	30 (Cont Current Rating at 40 Deg C)	3	240 AC	10
B340	40 (Cont Current Rating at 40 Deg C)	3	240 AC	10
B350	50 (Cont Current Rating at 40 Deg C)	3	240 AC	10
B360	60 (Cont Current Rating at 40 Deg C)	3	240 AC	10
B370	70 (Cont Current Rating at 40 Deg C)	3	240 AC	10
B380	80 (Cont Current Rating at 40 Deg C)	3	240 AC	10
B3100	100 (Cont Current Rating at 40 Deg C)	3	240 AC	10

CIRCUIT BREAKERS - SIEMENS

Molded Case Circuit Breakers

Type BLF

EQ 125A Frame - GFCI Personnel Protection - Panelboard Mount



- 5 mA.
- Unenclosed.
- HACR rated.

Siemens Energy & Automation

PartNumber	Amperage	Poles	Voltage	kAIC
BF120	20 (Cont Current Rating at 40 Deg C)	1	120 AC	10

Type BQD - HACR Rated

BQD 100A Frame - Panelboard Mount



Siemens Energy & Automation

PartNumber	Amperage	Poles	Voltage
BQD115	15 (Cont Current Rating at 40 Deg C)	1	277 AC / 125 DC
BQD120	20 (Cont Current Rating at 40 Deg C)	1	277 AC / 125 DC
BQD130	30 (Cont Current Rating at 40 Deg C)	1	277 AC / 125 DC
BQD220	20 (Cont Current Rating at 40 Deg C)	2	480Y/277 AC / 125/250 DC
BQD230	30 (Cont Current Rating at 40 Deg C)	2	480Y/277 AC / 125/250 DC
BQD240	40 (Cont Current Rating at 40 Deg C)	2	480Y/277 AC / 125/250 DC
BQD250	50 (Cont Current Rating at 40 Deg C)	2	480Y/277 AC / 125/250 DC
BQD315	15 (Cont Current Rating at 40 Deg C)	3	480Y/277 AC
BQD320	20 (Cont Current Rating at 40 Deg C)	3	480Y/277 AC
BQD330	30 (Cont Current Rating at 40 Deg C)	3	480Y/277 AC
BQD340	40 (Cont Current Rating at 40 Deg C)	3	480Y/277 AC
BQD350	50 (Cont Current Rating at 40 Deg C)	3	480Y/277 AC
BQD360	60 (Cont Current Rating at 40 Deg C)	3	480Y/277 AC
BQD370	70 (Cont Current Rating at 40 Deg C)	3	480Y/277 AC
BQD380	80 (Cont Current Rating at 40 Deg C)	3	480Y/277 AC
BQD390	90 (Cont Current Rating at 40 Deg C)	3	480Y/277 AC
BQD3100	100 (Cont Current Rating at 40 Deg C)	3	480Y/277 AC

CIRCUIT BREAKERS - SIEMENS

Molded Case Circuit Breakers

Type QJ2

QJ 225A Frame



Siemens Energy & Automation

PartNumber	Amperage	Poles	Voltage
QJ22B200	200 (Cont Current Rating at 40 Deg C)	2	240 AC
QJ23B125	125 (Cont Current Rating at 40 Deg C)	3	240 AC
QJ23B150	150 (Cont Current Rating at 40 Deg C)	3	240 AC
QJ23B200	200 (Cont Current Rating at 40 Deg C)	3	240 AC
QJ23B225	225 (Cont Current Rating at 40 Deg C)	3	240 AC

Type ED4

Series Sentron - ED 125A Frame



- Blue label.
- With load-side lugs.
- Calibrated at 50°C, 400 Hz.
- May be reverse connected.

Siemens Energy & Automation

PartNumber	Amperage	Poles	Voltage
ED41B020	20 (Cont Current Rating at 40 Deg C)	1	120/277 AC / 125 DC
ED43B020	20 (Cont Current Rating at 40 Deg C)	3	480 AC
ED43B030	30 (Cont Current Rating at 40 Deg C)	3	480 AC
ED43B060	60 (Cont Current Rating at 40 Deg C)	3	480 AC
ED43B100	100 (Cont Current Rating at 40 Deg C)	3	480 AC
ED43B125	125 (Cont Current Rating at 40 Deg C)	3	480 AC
ED43-B080	80 (Cont Current Rating at 40 Deg C)	3	480 AC

CIRCUIT BREAKERS - SIEMENS

Molded Case Circuit Breakers

Type BQ - Noninterchangeable Trip

BQ 125A Frame



- Common trip.
- With load-side lugs.
- Calibrated for 40° maximum ambient applications.
- HACR rated.

Siemens Energy & Automation

PartNumber	Amperage	Poles	Voltage	kAIC
BQ1B020	20 (Cont Current Rating at 40 Deg C)	1	120/240 AC	10
BQ1B030	30 (Cont Current Rating at 40 Deg C)	1	120/240 AC	10
BQ1B050	50 (Cont Current Rating at 40 Deg C)	1	120/240 AC	10
BQ2B020	20 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
BQ2B030	30 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
BQ2B040	40 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
BQ2B050	50 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
BQ2B060	60 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
BQ2B070	70 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
BQ2B100	100 (Cont Current Rating at 40 Deg C)	2	120/240 AC	10
BQ3B020	20 (Cont Current Rating at 40 Deg C)	3	240 AC	10
BQ3B030	30 (Cont Current Rating at 40 Deg C)	3	240 AC	10
BQ3B040	40 (Cont Current Rating at 40 Deg C)	3	240 AC	10
BQ3B050	50 (Cont Current Rating at 40 Deg C)	3	240 AC	10
BQ3B060	60 (Cont Current Rating at 40 Deg C)	3	240 AC	10
BQ3B100	100 (Cont Current Rating at 40 Deg C)	3	240 AC	10

LUGS - SIEMENS

Circuit Breaker Lugs

BQ - BQH - HBQ Breakers

Line Side



- Aluminum body for copper or aluminum wire.

Siemens Energy & Automation

PartNumber	Amperage	AWG	Description
TA1Q1	10-40 / 45-125	#16-6 kcmil (Cu), #12-6 kcmil (Al) / #8-#1 kcmil (Cu) , #6-#1/0 kcmil (Al)	One cable per lug

QJ 225A Frame Breakers

Load Side



- For 75°C wire.

Siemens Energy & Automation

PartNumber	AWG	Description
TA-1-Q300	(1) #6-300 kcmil (Cu), (1) #4-300 kcmil (Al)	Alum body, 1 cable per lug (set of 3 lugs)

FXD - HD - FHD - CFD - HHFD Breakers

Line / Load



- For copper or aluminum wire.

Siemens Energy & Automation

PartNumber	Amperage	AWG	Description
TA1FD350A	70-250	#6-350 kcmil (Cu), #4-350 kcmil (Al)	For use on FXD6-A, FD6-A, HFD6, CFD6, HHFD6 type breakers

LUGS - SIEMENS

Circuit Breaker Lugs

JXD Breakers

Line / Load

- Aluminum body for copper or aluminum wire.



Siemens Energy & Automation

PartNumber	Amperage	AWG	Description
TA2-J6500	200-400	#3/0-500 kcmil (Cu), #4/0-500 kcmil (Al)	1 - 2 cables per lug for #3/0-500 Cu or 2 cables for #4/0-500 Al wire

PANELBOARDS - CUTLER HAMMER

Panelboards - Unassembled

Type PRL1A / PRL2A

Pow-R-Line C



Cutler-Hammer

PartNumber	Amperage	Poles	Phase	Voltage	Description
PRL1A1100X18A	100	18	Single Phase, 3 Wire	120/240	Aluminum bus panelboard interiors (less main device)
PRL1A1225X30A	225	30	Single Phase, 3 Wire	120/240	Aluminum bus panelboard interiors (less main device)
PRL1A1225X42AS	225	42	Single Phase, 3 Wire	120/240	Aluminum bus panelboard interiors (less main device), S suffix denotes Short--no TFL or SFB provisions
PRL1A3225X30A	225	30	Three Phase, 4 Wire	208/120	Aluminum bus panelboard interiors (less main device)
PRL1A3225X42AS	225	42	Three Phase, 4 Wire	208/120	Aluminum bus panelboard interiors (less main device), S suffix denotes Short--no TFL or SFB provisions
PRL1A3400X42A	400	42	Three Phase, 4 Wire	208/120	Aluminum bus panelboard interiors (less main device)
PRL2A3225X30A	225	30	Three Phase, 4 Wire	480Y/277V	Aluminum bus panelboard interiors (less main device)
PRL2A3225X42A	225	42	Three Phase, 4 Wire	480Y/277V	Aluminum bus panelboard interiors (less main device)
PRL2A3400X42A	400	42	Three Phase, 4 Wire	480Y/277V	Aluminum bus panelboard interiors (less main device)

PANELBOARDS - CUTLER HAMMER

Panelboards - Ground Kit

Type PRL1A / PRL2A

Insulated / Isolated Ground Kit

Cutler-Hammer

PartNumber	Description
ISOGROUND	Ground Kit: Insulated/Isolated for PRL1A / PRL2A panelboards, 42 Ct

LUGS - CUTLER HAMMER

Main Lug Kits

Main or Feed Thru Kit

Cutler-Hammer

PartNumber	Description
LUGKIT225	225A main lug or thru feed kit for 1-Pole 3W or 3-Pole 4W

BOXES - CUTLER HAMMER

Panelboard Boxes

Type PRL3A - 100A-400A

EZ Box Pow-R-Line C



- Code-gauge galvanized steel.
- Designed for indoor use.
- Include wiring gutters and wire bending space.
- Supplied with knockouts, blank endwalls.

Cutler-Hammer

PartNumber	Dimensions	Description
EZB2036RBS	36"H x 20"W x 5-3/4"D	Lighting panelboard box (tub), EZ box
EZB2048RBS	48"H x 20"W x 5-3/4"D	Lighting panelboard box (tub), EZ box
EZB2060RBS	60"H x 20"W x 5-3/4"D	Lighting panelboard box (tub), EZ box
EZB2072RBS	72"H x 20"W x 5-3/4"D	Lighting panelboard box (tub), EZ box
EZB2090RBS	90"H x 20"W x 5-3/4"D	Lighting panelboard box (tub), EZ box

CIRCUIT BREAKER KITS - CUTLER HAMMER

Type BKED/BKFD/BKKD - Main Breaker - 1 or 3 Phase

Lighting/Distribution - Main or Subfeed Breaker Kits

Unassembled Panelboards



Cutler-Hammer

PartNumber	Amperage	AWG	Voltage	Description
BKED100T	100	(1) #14 - 1/0 kcmil Cu/Al	240V (Max)	Top Feed, main circuit breaker or subfeed breaker kit, (ED brkr frame)
BKED200T	200	(1) #14 - 4/0 kcmil Cu/Al	240V (Max)	Top Feed, main circuit breaker or subfeed breaker kit, (ED brkr frame)
BKED200B	200	(1) #14 - 4/0 kcmil Cu/Al	240V (Max)	Bottom Feed, main circuit breaker or subfeed breaker kit, (ED brkr frame)
BKFD200T	200	(1) #14 - 4/0 kcmil Cu/Al	480V (Max)	Top Feed, main circuit breaker or subfeed breaker kit, (FD brkr frame)
BKFD200B	200	(1) #14 - 4/0 kcmil Cu/Al	480V (Max)	Bottom Feed, main circuit breaker or subfeed breaker kit, (FD brkr frame)
BKKD400T	400	(2) #3/0 - 250 or (1) #3/0 - 500 kcmil Cu/Al	480V (Max)	Top Feed, main circuit breaker (only) kit, (KD breaker frame)

CIRCUIT BREAKERS - CUTLER HAMMER

Molded Case Circuit Breakers

QUICKLAG - Type BAB - Bolt-On

120/240 or 240 VAC



- Thermal-magnetic.
- Handles marked with ON-OFF indication and amp rating.
- HACR rated.
- 10kAIC.

Cutler-Hammer

PartNumber	Amperage	Poles
BAB1015	15	1
BAB1020	20	1
BAB1030	30	1
BAB2015	15	2
BAB2020	20	2
BAB2030	30	2
BAB2040	40	2
BAB2050	50	2
BAB2060	60	2
BAB2100	100	2
BAB3020H	20	3
BAB3030H	30	3
BAB3040H	40	3
BAB3050H	50	3
BAB3060H	60	3
BAB3100H	100	3

HANDLE LOCKS - CUTLER HAMMER

Quicklag Breaker Accessories

Handle Lock Off - Quicklag

BAB Breakers

- Non-padlockable.



Cutler-Hammer

PartNumber	Description
QL1NPL	Handle lock off for single-pole BAB breakers

FILLERS - CUTLER HAMMER

Breaker Accessories

Single Pole Fillers

For BAB / GHB Breakers

- For BAB breakers.

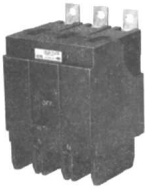
Cutler-Hammer

PartNumber	Description
5155C62H01	Single-Pole fillers for BAB / GHB breakers

CIRCUIT BREAKERS - CUTLER HAMMER

Molded Case Circuit Breakers

Type GHB - G-Frame - Bolt-On



- Thermal-magnetic.
- Noninterchangeable trip units.
- Suitable for reverse feed use.
- Handles marked with ON-OFF indication and amp rating.
- HACR rated.

Cutler-Hammer

PartNumber	Amperage	Poles
GHB3040	40 (Continuous Amps 40C)	3
GHB3100	100 (Continuous Amps 40C)	3
GHB1030	30 (Continuous Amps 40C)	1
GHB3030	30 (Continuous Amps 40C)	3
GHB2060	60 (Continuous Amps 40C)	2
GHB2040	40 (Continuous Amps 40C)	2
GHB2020	20 (Continuous Amps 40C)	2
GHB2030	30 (Continuous Amps 40C)	2
GHB3050	50 (Continuous Amps 40C)	3
GHB2050	50 (Continuous Amps 40C)	2
GHB1020	20 (Continuous Amps 40C)	1
GHB3060	60 (Continuous Amps 40C)	3
GHB3020	20 (Continuous Amps 40C)	3

CIRCUIT BREAKERS - CUTLER HAMMER

Molded Case Circuit Breakers

Type EHD - F-Frame - Thermal-Magnetic - Noninterchangeable Trip

Terminals on Load End Only



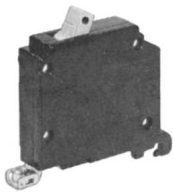
- Sealed breakers w/ non-interchangeable trip units
- EHD1020 breaker (only) is UL listed for SWD applications, see NEC Article 240-83 (d)
- HACR rated

Cutler-Hammer

PartNumber	Amperage	Poles	kAIC	Voltage
EHD1020	20 (Continuous Amps 40C)	1	14	277V AC / 125V DC
EHD3030	30 (Continuous Amps 40C)	3	14	480V AC / 250V DC

Type CHB - Bolt-On

120/240 or 240 VAC - Common Trip



- NEMA rated
- Flat or DIN rail mounted
- Two breakers per pole
- Quick-make, quick-break switch mechanism combined with trip-free handle design and inverse time element tripping operation
- Trip to OFF position eliminating call backs
- Thermal-magnetic trip curve avoids tripping on mild overloads, but reacts instantaneously to severe short circuit conditions
- Handles marked with ON-OFF indication and amp rating
- HACR rated

Cutler-Hammer

PartNumber	Amperage	Poles	kAIC
CHB120	20	1	10
CHB130	30	1	10
CHB230	30	2	10

Type CL - Plug-On for General Electric, Thomas & Betts, Square D, Crouse Hinds

120/240 VAC - Common Trip

Cutler-Hammer

PartNumber	Amperage	Poles	kAIC
CL115	15	1	10
CL120	20	1	10
CL215	15	2	10
CL220	20	2	10
CL230	30	2	10
CL240	40	2	10
CL250	50	2	10

CIRCUIT BREAKERS - GE

Molded Case Circuit Breakers

Q Line - Type THQB - Bolt-On

GE Q-Line Breakers



- 60°C/75°C conductor rating.
- Box type terminals.
- Internal common trip bar.
- HACR rated.
- 10,000 AIR.
- Compliances: UL Listed.

GE ED & C

PartNumber	Amperage	Poles	Voltage
THQB1120	20	1	120/240
THQB1130	30	1	120/240
THQB2120	20	2	120/240
THQB2130	30	2	120/240
THQB2140	40	2	120/240
THQB2150	50	2	120/240
THQB2160	60	2	120/240
THQB32020	20	3	240
THQB32030	30	3	240
THQB32040	40	3	240
THQB32050	50	3	240
THQB32060	60	3	240

Q Line - Type THQP - Plug-In

GE Q-Line Breakers



- 1/2" module.
- 60°C/75°C conductor rating.
- Quick-make, quick-break box type terminals.
- Internal common trip bar.
- HACR rated.
- 10,000 AIR.
- Compliances: UL Listed; Fed. Spec. WC-375B Compliant.

GE ED & C

PartNumber	Amperage	Poles	AWG	kAIC	Voltage
THQP115	15	1	#14-8 kcmil (Cu) - #12-8 kcmil (Al)	10	120/240
THQP120	20	1	#14-8 kcmil (Cu) - #12-8 kcmil (Al)	10	120/240
THQP130	30	1	#8-4 kcmil (Cu) - #8-4 kcmil (Al)	10	120/240
THQP220	20	2	#14-8 kcmil (Cu) - #12-8 kcmil (Al)	10	120/240
THQP230	30	2	#8-4 kcmil (Cu) - #8-4 kcmil (Al)	10	120/240
THQP240	40	2	#8-4 kcmil (Cu) - #8-4 kcmil (Al)	10	120/240



CIRCUIT BREAKERS - SIEMENS (SQD)

Molded Case Circuit Breakers

Siemens QD Compatible to SQD QO - Plug-In

For Square D



- With load-side connectors.
- Calibrated to 40°C maximum ambient applications.
- HACR rated.

Siemens Energy & Automation

PartNumber	Amperage	Poles	kAIC	Voltage	Description
D115	15 (Continuous Amps 40C)	1	10	120/240	Equivalent to Square D QO115 plug-in breaker, 3/4" format
D120	20 (Continuous Amps 40C)	1	10	120/240	Equivalent to Square D QO120 plug-in breaker, 3/4" format
D130	30 (Continuous Amps 40C)	1	10	120/240	Equivalent to Square D QO130 plug-in breaker, 3/4" format
D220	20 (Continuous Amps 40C)	2	10	120/240	Equivalent to Square D QO220 plug-in breaker, 3/4" format
D230	30 (Continuous Amps 40C)	2	10	120/240	Equivalent to Square D QO230 plug-in breaker, 3/4" format
D240	40 (Continuous Amps 40C)	2	10	120/240	Equivalent to Square D QO240 plug-in breaker, 3/4" format
D250	50 (Continuous Amps 40C)	2	10	120/240	Equivalent to Square D QO250 plug-in breaker, 3/4" format
D260	60 (Continuous Amps 40C)	2	10	120/240	Equivalent to Square D QO260 plug-in breaker, 3/4" format

CIRCUIT BREAKERS - SQD

Molded Case Circuit Breakers

QOB - Bolt-On

Square D



- With VISI-TRIP® indicator for NQOD panel boards.
- Common trip.
- 10,000 AIR.
- HACR rated.
- Compliances: UL Listed.

Square D

PartNumber	Amperage	Poles	AWG	Voltage	Description
QOB120	20	1	#14-8 kcmil Cu/Al	120/240	No Common Trip
QOB120GFI	20	1	#12-8 kcmil Cu/Al	120	W/ Ground Fault Circuit Interrupter
QOB220	20	2	#14-8 kcmil Cu/Al	120/240	
QOB230	30	2	#14-8 kcmil Cu/Al	120/240	
QOB240	40	2	#8-2 kcmil Cu/Al	120/240	
QOB250	50	2	#8-2 kcmil Cu/Al	120/240	
QOB260	60	2	#8-2 kcmil Cu/Al	120/240	
QOB320	20	3	#14-8 kcmil Cu/Al	240	
QOB330	30	3	#14-8 kcmil Cu/Al	240	
QOB350	50	3	#8-2 kcmil Cu/Al	240	
QOB360	60	3	#8-2 kcmil Cu/Al	240	

QO - Tandem - Plug-In

Square D



Square D

PartNumber	Amperage	Poles	AWG	Voltage	Description
QO2020	20 / 20	(2) 1P	#14-8 kcmil Cu/Al	120/240	(2) Single-Pole tandem breaker, plug-in, 1-1/2" wide

MISCELLANEOUS BREAKERS - FPE

Replacement Breakers & Accessories For Federal Pacific Load Centers

FPE Stab-lok - Type NC



▪ 10,000 AIC.

FPE Repl Breakers

PartNumber	Amperage	Poles	Description
UBIF015N	15	1	Replacement breakers for FPE 015 plug-in, slim
UBIF020N	20	1	Replacement breakers for FPE 020 plug-in, slim
UBIF0220N	20	2	Replacement breakers for FPE 0220 plug-in, slim
UBIF0230N	30	2	Replacement breakers for FPE 0230 plug-in, slim
UBIF0250N	50	2	Replacement breakers for FPE 0250 plug-in, slim
UBIF20N	20	1	Replacement breakers for FPE 20 plug-in breakers, standard width
UBIF30N	30	1	Replacement breakers for FPE 30 plug-in, standard width
UBIF230N	30	2	Replacement breakers for FPE 2P30 plug-in, standard width
UBIF240N	40	2	Replacement breakers for FPE 2P40 plug-in, standard width
UBIF250N	50	2	Replacement breakers for FPE 2P50 plug-in, standard width
UBIF260N	60	2	Replacement breakers for FPE 2P60 plug-in, standard width
2P100	100	2	Replacement breakers for FPE 2P100 plug-in, standard width

Replacement Loadcenter Fillers

For FPE NB and NBH Breakers

FPE Repl Breakers

PartNumber	Description
NCFS	FPE NCFS replacement 1/2 breaker twistout - blank filler

MISCELLANEOUS BREAKERS

Molded Case Circuit Breakers

ZINSCO - Q Series

120 / 240V

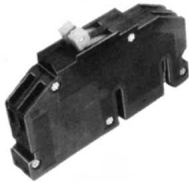


Thomas & Betts

PartNumber	Amperage	Poles	AWG	Description
UBIZ15	15	1	#14-#10 Cu, #10 Al	Replacement breaker for Q-15
UBIZ20	20	1	#14-#10 Cu, #10 Al	Replacement breaker for Q-20
UBIZ220	20	2	#14-#10 Cu, #10 Al	Replacement breaker for QC-20
UBIZ30	30	1	#14-#10 Cu, #10 Al	Replacement breaker for QC-30
UBIZ40	40	2	#14-#3 Cu, #12-#3 Al	Replacement breaker for QC-40
UBIZ260	60	2	#14-#3 Cu, #12-#3 Al	Replacement breaker for QCAL-60
UBIZ2100	100	2	#6-#10 Cu, #4-#1/0 Al	Replacement breaker for QCAL-100

ZINSCO- R Series

120 / 240V



Thomas & Betts

PartNumber	Amperage	Poles	AWG	Description
UBIZ1515	15	1 (2 Single-Pole Twin)	#14-#8 Cu, #12-#8 Al	Replacement breaker for R38-15 (twin (2)1P 15A)
UBIZ0240	40	2	#8-#6 Cu, #6-#4 Al	Replacement breaker for RC38-40
UBIZ0250	50	2	#8-#6 Cu, #6-#4 Al	Replacement breaker for RC38-50

Federal Pacific - Bolt-On Style Breakers Unlimited

PartNumber	Amperage	Poles	Size
NB111020	20	1	1" Wide
NB221020	20	2	2" Wide
NB221030	30	2	2" Wide
NB221060	60	2	2" Wide

SURGE ARRESTORS

Plug-In Breaker - Surge Protector

Type CH Panels



Cutler-Hammer

PartNumber	Phase	Poles	Voltage	Description
CHSA	Single Phase	2	120/240V AC	Surge protector, 8" 12GA lead wire, used on computers, loadcenters, microwaves, refrigerators

Secondary Surge / Lightning Arrestor

NEMA 4 - Outdoor



- For use with irrigation equipment, lighting fixtures, farm equipment, traffic signals, HVAC controls.
- Polycarbonate housing with 1/2"-20 threaded nipple.
- Weatherproof and UV resistant.
- Color coded, 18" leads.
- Compliances: UL Listed, CSA Certified.

Intermatic

PartNumber	Phase	Poles	Voltage	Description
AG2401C3	Single Phase / Split Phase	2	120/240V AC	Surge arrester, (3) 18" 14GA leads, wire conf.- L1,L2,N,GND, for outdoor installations on service entrance, utility meter cabinets

SURGE PROTECTION

Panel Protectors

NEMA 3R - Indoor/Outdoor



- Hardwired.
- For up to 400V service capacity.
- LED indicators.
- 400A cap.
- 150V MCOV.
- 4.54"H x 2.58"W x 2.22"D.
- Six modes of protection.
- Four leads.

Intermatic

PartNumber	Phase	Voltage	Description
IG1240RC3	Single Phase / Split Phase	120/240V AC	6 modes surge protection, (4) 30" 12GA leads, wire conf.- L1-N, L2-N, L1-G, L2-G, N-G, L1-L2, for appliances/electronics

SAFETY SWITCHES

General Duty Safety Switches

Fusible / Non-Fusible - 240V

NEMA Type 1 - Indoor



- 240 VAC/250 VDC.
- Defeatable cover interlock.
- Tangential knockouts thru 200A.
- Quick-make, quick-break operating mechanism for positive operation.
- Provisions for H, J, K, R, T class fuses.
- Wiring gutters meet or exceed NEC wire-bending space requirements.
- Visible blade, double-break switch action.
- Visible red handle grip.
- Handle and cover padlocking provisions.
- Side-hinged door opens 180°.

Siemens Energy & Automation

PartNumber	Amperage	Description	Poles	Fuse	Voltage	Ship Wt Lb/Oz
GF221N	30	240V Fusible - Solid Neutral	2	2	240 AC / 250 DC	35

General Duty Safety Switches - Type VBII

Fusible / Non-Fusible - 240V

NEMA Type 1 - Indoor



- 240 VAC/250 VDC.
- Defeatable cover interlock.
- Tangential knockouts thru 200A.
- Quick-make, quick-break operating mechanism for positive operation.
- Provisions for H, J, K, R, T class fuses.
- Wiring gutters meet or exceed NEC wire-bending space requirements.
- Visible blade, double-break switch action.
- Visible red handle grip.
- Handle and cover padlocking provisions.
- Side-hinged door opens 180°.

Siemens Energy & Automation

PartNumber	Amperage	Description	Poles	Fuse	Voltage	Ship Wt Lb/Oz
GF222N	60	240V Fusible - Solid Neutral	2	2	240 AC / 250 DC	14
GF223N	100	240V Fusible - Solid Neutral	2	2	240 AC / 250 DC	23
GF321N	30	240V Fusible - Solid Neutral	3	3	240 AC / 250 DC	24
GF322N	60	240V Fusible - Solid Neutral	3	3	240 AC / 250 DC	15
GF323N	100	240V Fusible - Solid Neutral	3	3	240 AC / 250 DC	25
GF324N	200	240V Fusible - Solid Neutral	3	3	240 AC / 250 DC	49
GF325N	400	240V Fusible - Solid Neutral	3	3	240 AC / 250 DC	158
GNF321	30	240V Non-fusible	2 or 3	...	240 AC / 250 DC	24
GNF322	60	240V Non-fusible	2 or 3	...	240 AC / 250 DC	12
GNF323	100	240V Non-fusible	2 or 3	...	240 AC / 250 DC	23
GNF324	200	240V Non-fusible	2 or 3	...	240 AC / 250 DC	46

SAFETY SWITCHES

General Duty Safety Switches - Type VBII

Fusible / Non-Fusible - 240V

NEMA Type 3R - Outdoor



- 240 VAC/250 VDC.
- Defeatable cover interlock.
- Tangential knockouts thru 200A.
- Quick-make, quick-break operating mechanism for positive operation.
- Provisions for H, J, K, R, T class fuses.
- Wiring gutters meet or exceed NEC wire-bending space requirements.
- Visible blade, double-break switch action.
- Visible red handle grip.
- Handle and cover padlocking provisions.
- Side-hinged door opens 180°.

Siemens Energy & Automation

PartNumber	Amperage	Description	Poles	Fuse	Voltage	Ship Wt Lb/Oz
GF221NR	30	240V Fusible - Solid Neutral	2	2	240 AC / 250 DC	35
GF222NR	60	240V Fusible - Solid Neutral	2	2	240 AC / 250 DC	14
GF223NR	100	240V Fusible - Solid Neutral	2	2	240 AC / 250 DC	24
GF224NR	200	240V Fusible - Solid Neutral	2	2	240 AC / 250 DC	48
GF322NR	60	240V Fusible - Solid Neutral	3	3	240 AC / 250 DC	15
GF321NR	30	240V Fusible - Solid Neutral	3	3	240 AC / 250 DC	24
GF323NR	100	240V Fusible - Solid Neutral	3	3	240 AC / 250 DC	25
GF324NR	200	240V Fusible - Solid Neutral	3	3	240 AC / 250 DC	50
GNF321R	30	240V Non-fusible	2 or 3	...	240 AC / 250 DC	24
GNF322R	60	240V Non-fusible	2 or 3	...	240 AC / 250 DC	13
GNF323R	100	240V Non-fusible	2 or 3	...	240 AC / 250 DC	24
GNF324R	200	240V Non-fusible	2 or 3	...	240 AC / 250 DC	47

Heavy Duty Safety Switches - Type VBII

Fusible - 240V

NEMA Type 1 - Indoor



- Defeatable dual cover interlock.
- Tangential knockouts thru 200A.
- Quick-make, quick-break operating mechanism for positive operation.
- Provisions for H, J, K, L, R, T class fuses.
- Wiring gutters meet or exceed NEC wire-bending space requirements.
- Visible blade, double-break switch action.
- Arc chutes.
- Visible red handle grip designed for hook stick operation.
- Handle and cover padlocking provisions.
- Side-hinged door opens past 180°.

Siemens Energy & Automation

PartNumber	Amperage	Description	Poles	Fuse	Voltage	Ship Wt Lb/Oz
HF321N	30	240V Fusible - Solid Neutral	3	3	240 AC / 250 DC	14

SAFETY SWITCHES

Heavy Duty Safety Switches - Type VBII

Fusible / Non-Fusible - 600V

NEMA Type 1 - Indoor



- Defeatable dual cover interlock.
- Tangential knockouts thru 200A.
- Quick-make, quick-break operating mechanism for positive operation.
- Provisions for H, J, K, L, R, T class fuses.
- Wiring gutters meet or exceed NEC wire-bending space requirements.
- Visible blade, double-break switch action.
- Arc chutes.
- Visible red handle grip designed for hook stick operation.
- Handle and cover padlocking provisions.
- Side-hinged door opens past 180°.

Siemens Energy & Automation

PartNumber	Amperage	Description	Poles	Fuse	Voltage	Ship Wt Lb/Oz
HF361	30	600V Fusible	3	3	480/600 AC / 250 DC	14
HF362	60	600V Fusible	3	3	480/600 AC / 250/600 DC	19
HF363	100	600V Fusible	3	3	480/600 AC / 250/600 DC	24
HF364	200	600V Fusible	3	3	480/600 AC / 250/600 DC	48
HNF361	30	600V Non-fusible	3	...	480/600 AC / 250 DC	12
HNF362	60	600V Non-fusible	3	...	480/600 AC / 250/600 DC	18
HNF363	100	600V Non-fusible	3	...	480/600 AC / 250/600 DC	23
HNF364	200	600V Non-fusible	3	...	480/600 AC / 250/600 DC	46
HNF365	400	600V Non-fusible	3	...	480/600 AC / 250 DC	114

SAFETY SWITCHES

Heavy Duty Safety Switches - Type VBII

Fusible / Non-Fusible - 600V

NEMA Type 3R - Outdoor



- Defeatable dual cover interlock.
- Tangential knockouts thru 200A.
- Quick-make, quick-break operating mechanism for positive operation.
- Provisions for H, J, K, L, R, T class fuses.
- Wiring gutters meet or exceed NEC wire-bending space requirements.
- Visible blade, double-break switch action.
- Arc chutes.
- Visible red handle grip designed for hook stick operation.
- Handle and cover padlocking provisions.
- Side-hinged door opens past 180°.

Siemens Energy & Automation

PartNumber	Amperage	Description	Poles	Fuse	Voltage	Ship Wt Lb/Oz
HF361R	30	600V Fusible	3	3	480/600 AC / 250 DC	15
HF362R	60	600V Fusible	3	3	480/600 AC / 250/600 DC	20
HF363R	100	600V Fusible	3	3	480/600 AC / 250/600 DC	25
HF364R	200	600V Fusible	3	3	480/600 AC / 250/600 DC	49
HF365R	400	600V Fusible	3	3	480/600 AC / 250 DC	157
HNF361R	30	600V Non-fusible	3	...	480/600 AC / 250 DC	13
HNF362R	60	600V Non-fusible	3	...	480/600 AC / 250/600 DC	19
HNF363R	100	600V Non-fusible	3	...	480/600 AC / 250/600 DC	24
HNF364R	200	600V Non-fusible	3	...	480/600 AC / 250/600 DC	47
HNF365R	400	600V Non-fusible	3	...	480/600 AC / 250 DC	118

NEUTRAL / GROUND KITS

Safety Switch Equipment Neutral Kits

General / Heavy Duty

Neutral Kit

- For general and heavy-duty safety switches.



Siemens Energy & Automation

PartNumber	Amperage	Description
HN612	30 (HD), 60 (GD)	Neutral Kit

NEUTRAL / GROUND KITS

Safety Switch Equipment Ground Kit

Isolated Ground

Ground Kit

- Field installable for visible blade Type VBII heavy-duty safety switches.



Siemens Energy & Automation

PartNumber	Amperage	Description	AWG
HG61234	30-200	Safety Switch equipment ground kit w/ (2) Ground and (2) Isolated terminals	#14-4 AWG

HUBS

Circuit Breaker Enclosure Hubs

Type 3R



Siemens Energy & Automation

PartNumber	Conduit Size In	Description
ECHS-075	3/4"	Removable Hub
ECHS-100	1"	Removable Hub
ECHS125	1-1/4"	Removable Hub
ECHS150	1-1/2"	Removable Hub
HS200	2"	Removable Hub

Ground Kits

Equipment

- Field installable for visible blade Type VBII general and heavy-duty safety switches.

Siemens Energy & Automation

PartNumber	Amperage	AWG
GSGK60	30 (GD)	#14-8 Cu/Al
HG656	400 & 600	#6-250 kcmil Cu/Al

HUBS

Conduit Hubs

Interchangeable

- Removable hub plate on top rainshed.

Siemens Energy & Automation

PartNumber	Amperage	Conduit Size In	NEMA Type
HA075S	30 (GD)	3/4"	3R
HA125S	30 (GD)	1-3/4"	3R

CONTACTS

Auxiliary Contacts

Auxiliary Contacts

- For heavy-duty safety switches.



Siemens Energy & Automation

PartNumber	Amperage	Contacts
HA161234	30-200	1 NO, 1 NC

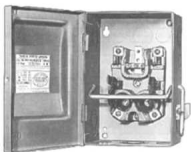
SAFETY SWITCHES

General Duty Safety Switches

Fusible / Non-Fusible, Single-Throw - 120/240V

NEMA Type 1 - Indoor

- For residential and commercial applications
- Suitable for light-duty motor circuits and service entrance
- Use to open or close circuit
- 100% load break and load make rated
- Wire bending space



Cutler-Hammer

PartNumber	Amperage	Description
DG221NGB	30	Two Fuse, 3-Wire (two blades, two fuses, solid neutral), N1
DG224NGK	200	Two Fuse, 3-Wire (two blades, two fuses, solid neutral), N1
DG321NGB	30	Three Fuse, 4-Wire (three blades, three fuses, solid neutral), N1
DG322NGB	60	Three Fuse, 4-Wire (three blades, three fuses, solid neutral), N1
DG323NGB	100	Three Fuse, 4-Wire (three blades, three fuses, solid neutral), N1
DG324NGK	200	Three Fuse, 4-Wire (three blades, three fuses, solid neutral), N1
DG321UGB	30	Non-Fusible, 3-Pole, 3-Wire (three blades), N1
DG322UGB	60	Non-Fusible, 3-Pole, 3-Wire (three blades), N1
DG323UGB	100	Non-Fusible, 3-Pole, 3-Wire (three blades), N1

SAFETY SWITCHES

General Duty Safety Switches

Fusible / Non-Fusible, Single-Throw - 120/240V

NEMA Type 3R - Rainproof



- For residential and commercial applications
- Suitable for light-duty motor circuits and service entrance
- Use to open or close circuit
- 100% load break and load make rated
- Wire bending space

Cutler-Hammer

PartNumber	Amperage	Description
DG224NRK	200	Two Fuse, 3-Wire (two blades, two fuses, S/N), 3R
DG322NRB	60	Three Fuse, 4-Wire (three blades, three fuses, S/N), 3R
DG323NRB	100	Three Fuse, 4-Wire (three blades, three fuses, S/N), 3R
DG321URB	30	Non-Fusible, 3-Pole, 3-Wire (three blades), 3R
DG322URB	60	Non-Fusible, 3-Pole, 3-Wire (three blades), 3R
DG323URB	100	Non-Fusible, 3-Pole, 3-Wire (three blades), 3R

Heavy Duty Safety Switches

Fusible / Non-Fusible, Single-Throw - 277/480V-600V

NEMA Type 1- Indoor



- For residential and commercial applications.
- Suitable for light-duty motor circuits and service entrance.
- Use to open or close circuit.
- 100% load break and load make rated.
- Wire bending space.
- Horsepower ratings with time delay fuses.

Cutler-Hammer

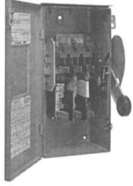
PartNumber	Amperage	Description
DH361FGK	30	Three Fuse, 3-Pole, suitable for service entrance (use w/ neutral kit installed), N1
DH362FGK	60	Three Fuse, 3-Pole, suitable for service entrance (use w/ neutral kit installed), N1
DH363FGK	100	Three Fuse, 3-Pole, suitable for service entrance (use w/ neutral kit installed), N1
DH364FGK	200	Three Fuse, 3-Pole, suitable for service entrance (use w/ neutral kit installed), N1
DH361UGK	30	Non-Fusible, 3-Pole, suitable for service entrance (use w/ neutral kit installed), N1
DH362UGK	60	Non-Fusible, 3-Pole, suitable for service entrance (use w/ neutral kit installed), N1
DH363UGK	100	Non-Fusible, 3-Pole, suitable for service entrance (use w/ neutral kit installed), N1

SAFETY SWITCHES

Heavy Duty Safety Switches

Fusible / Non-Fusible, Single-Throw - 277/480V-600V

NEMA 3R - Rainproof



- For residential and commercial applications.
- Suitable for light-duty motor circuits and service entrance.
- Use to open or close circuit.
- 100% load break and load make rated.
- Wire bending space.
- Horsepower ratings with time delay fuses.

Cutler-Hammer

PartNumber	Amperage	Description
DH361FRK	30	Three Fuse, 3-Pole, suitable for service entrance (use w/ neutral kit installed), 3R
DH362FRK	60	Three Fuse, 3-Pole, suitable for service entrance (use w/ neutral kit installed), 3R
DH363FRK	100	Three Fuse, 3-Pole, suitable for service entrance (use w/ neutral kit installed), 3R
DH364FRK	200	Three Fuse, 3-Pole, suitable for service entrance (use w/ neutral kit installed), 3R
DH361URK	30	Non-Fusible, 3-Pole, suitable for service entrance (use w/ neutral kit installed), 3R
DH362URK	60	Non-Fusible, 3-Pole, suitable for service entrance (use w/ neutral kit installed), 3R
DH363URK	100	Non-Fusible, 3-Pole, suitable for service entrance (use w/ neutral kit installed), 3R

HUBS

Plate Type Hubs

General Duty / Heavy-Duty - Double Throw

Group 1 - Thru 100A

- For NEMA 3R enclosures.



Cutler-Hammer

PartNumber	Size	Description
DS075H1	3/4" Hub	Hubs for NEMA 3R enclosures, plate type, up to 100A
DS100H1	1" Hub	Hubs for NEMA 3R enclosures, plate type, up to 100A
DS125H1	1-1/4" Hub	Hubs for NEMA 3R enclosures, plate type, up to 100A
DS150H1	1-1/2" Hub	Hubs for NEMA 3R enclosures, plate type, up to 100A

HUBS

Plate Type Hubs

General Duty / Heavy-Duty - Double Throw

Group 2 - 200A

- For NEMA 3R enclosures.



Cutler-Hammer

PartNumber	Size	Description
DS200H2	2" Hub	Hubs for NEMA 3R enclosures, plate type, up to 200A

AIR CONDITIONING DISCONNECTS

Non-Fused Pull-Out Disconnect

240VAC

NEMA Type 3R



- NEMA 3R, rainproof.
- Single phase, 120/240 VAC.
- Compact design.
- Removable hinged cover.
- Removable disconnect pullers.
- Padlock provision on front cover.
- Six 1" concentric knockouts.
- Galvanized steel construction finished in light gray, baked powder coating.
- 12/pkg.

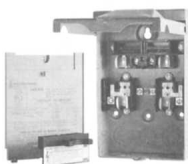
Siemens Energy & Automation

PartNumber	Amperage	Dimensions	Description
WN2060	60	9-1/4"H x 5-1/4"W x 4-1/2"D	Non-fused pull-out A/C disconnect, outdoor

Fused Pull-Out Disconnect

240VAC

NEMA Type 3R



- NEMA 3R outdoor enclosure.
- Removable protective shield and front cover.
- 1" knockouts on bottom, back and side of unit.
- Copper rated line and load lugs.
- Wiring space for mounting with stud gun.
- Padlockable doors.
- ON/OFF control provided by pullout handle which can be stored in compartment in OFF position.
- Horsepower ratings apply when time delay fuses are used.
- Class H fuse clips included; fuses not included.

Cutler-Hammer

PartNumber	Amperage	Dimensions	Description
DPF222R	60	8-1/2"H x 5-1/2"W x 3-1/4"D	Fused pull-out Single Phase, 2W A/C disconnect, outdoor

AIR CONDITIONING DISCONNECTS

Non-Fused Pull-Out Disconnect

240 VAC

NEMA Type 3R



Cutler-Hammer

PartNumber	Amperage	Dimensions	Description
DPU222R	60	8.7"H x 5.4"W x 3.152"D	Non-fused pullout disconnect, galvanized steel

240VAC

NEMA Type 3R



Cutler-Hammer

PartNumber	Amperage	Dimensions	Description
DPU222RGF20	60	8.7"H x 5.4"W x 3.152"D	Non-fused pullout disconnect, galv. steel, w/ 20A GFI Recpt. & "In Use" Cover

Milbank

PartNumber	Amperage	Dimensions	AWG	Description
U3802	60	7"H x 5"W x 2"D	#14-2 Cu, #12-2 Al (Line/Load connector range)	Non-fused pullout disconnect, reversible so pullout can be re-installed in OFF position

TRANSFORMERS

Signaling Transformers

Low Voltage

590 Series - Class 2



- Nonregenerative thermal overload protection.
- Grounding wire.
- Pre-stripped pigtails.
- Screw terminal connections on secondary.
- Mounts on surface or in knockout, plastic and metal boxes.
- Dim., in. : 2 1/4 x 2 1/8 x 2.
- 120V AC primary volts, 50/60 Hz.

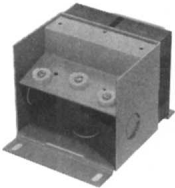
Edwards Signaling

PartNumber	Primary Volts	Secondary	Description
590	120V AC	10V (5VA)	Light-Duty signaling X-former, mounts in 1/2"KO or surface mount w/ foot mounts
592	120V AC	8V (10VA) - 16V (10VA) - 24V (20VA)	Commercial signaling X-former, mounts in 1/2"KO or surface mount w/ foot mounts
596	120V AC	6V (10VA) - 12V (15VA) - 18V (15VA)	Light-Duty signaling X-former, mounts in 1/2"KO or surface mount w/ foot mounts
598	120V AC	8V (20VA) - 16V (30VA) - 24V (30VA)	High Power signaling X-former, mounts in 1/2"KO or surface mount w/ foot mounts
599	120V AC	24V (40VA)	High Power signaling X-former, mounts in 1/2"KO or surface mount w/ foot mounts

Power Transformers

88 Series

Heavy Duty



- Low voltage source for 50 to 250 VA.
- Surface mounting.
- For commercial and industrial applications.
- Enclosed connections.
- Primary pigtails.
- Screw terminal connections on secondary.
- Primary Volts 50/60 Hz, 120V AC.
- Compliances: UL Listed.

Edwards Signaling

PartNumber	Dimensions	Primary Volts	Secondary	Description
88-50	5-1/2" x 4-3/8"	120V AC	24V (50VA) - 12V (25VA)	Heavy duty XFMR provides low voltage source from 50VA to 250VA
88-100	5-15/16" x 4-11/16"	120V AC	24V (100VA) - 12V (50VA)	Heavy duty XFMR provides low voltage source from 50VA to 250VA

TRANSFORMERS

Transformers - General Purpose Distribution - Three Phase

Dry-Type - 480 Delta Primary Volts - 208Y/120 Secondary Volts

▪ Floor mount



Hammond

PartNumber	Dimensions	kVA	Description	Wt Lbs/Oz
NMK015KB	21.5"H x 19.40"W x 15"D	15	Energy efficient, aluminum wound, 60Hz, floor/wall mount *drip plate kit required*	200 lbs
NMK030KB	28.75"H x 23.90"W x 19.50"D	30	Energy efficient, aluminum wound, 60Hz, floor/wall mount *drip plate kit required*	280 lbs
NMK045KB	28.75"H x 23.90"W x 19.50"D	45	Energy efficient, aluminum wound, 60Hz, floor/wall mount *drip plate kit required*	375 lbs
NMK075KB	28.75"H x 23.90"W x 19.50"D	75	Energy efficient, aluminum wound, 60Hz, floor/wall mount *drip plate kit required*	540 lbs
NMK112KB	28.75"H x 23.90"W x 19.50"D	112.5	Energy efficient, aluminum wound, 60Hz, floor/wall mount *drip plate kit required*	775 lbs
NMK150KB	28.75"H x 23.90"W x 19.50"D	150	Energy efficient, aluminum wound, 60Hz, floor/wall mount *drip plate kit required*	850 lbs
NMK225KB	28.75"H x 23.90"W x 19.50"D	225	Energy efficient, aluminum wound, 60Hz, floor/wall mount *drip plate kit required*	1400 lbs

Dry-Type - 480 Delta Primary Volts - 240 Delta/120 CT Secondary Volts

NEMA-3R



Hammond

PartNumber	Dimensions	kVA	Description	Wt Lbs/Oz
NMK030KD	28.75"H x 23.90"W x 25.00"D	30	Energy efficient, aluminum wound, 60Hz, floor/wall mount *drip plate kit required*	280 lbs
NMK045KD	28.75"H x 23.90"W x 25.00"D	45	Energy efficient, aluminum wound, 60Hz, floor/wall mount *drip plate kit required*	375 lbs
NMK075KD	38.00"H x 26.00"W x 25.00"D	75	Energy efficient, aluminum wound, 60Hz, floor/wall mount *drip plate kit required*	540 lbs

TRANSFORMERS

Transformers - General Purpose Distribution - Single Phase

Dry-Type - 480 Delta Primary Volts - 120/240 Secondary Volts



Hammond

PartNumber	Dimensions	Description	Wt Lbs/Oz
NMF025LE	28.75"H x 23.90"W x 25"D	Energy efficient general purpose dist. XFMR, aluminum wound	220 lbs
NMF050LE	28.75"H x 23.90"W x 25"D	Energy efficient general purpose dist. XFMR, aluminum wound	370 lbs

Dry-Type - 240x480 Primary Volts - 120/240 Secondary Volts

Wall Mounting Type / Encapsulated Enclosure - Single Phase

General Purpose



- Single-Phase
- Sand and Resin Encapsulated
- 115 Degree C
- Aluminum Windings

Cutler-Hammer

PartNumber	Tap	kVA	Description	Wt Lbs/Oz
S20N11S51N	None	0.5	General purpose transformer	13 lbs
S20N11S76N	None	0.75	General purpose transformer	20 lbs
S20N11S16N	None	1.5	General purpose transformer	40 lbs
S20N11S02N	None	2	General purpose transformer	40 lbs
S20N11S03N	None	3	General purpose transformer	65 lbs
S20N11S05N	None	5	General purpose transformer	113 lbs



BUCK-BOOST TRANSFORMERS

Buck-Boost Transformers

Type EP - General Purpose - Single Phase / Three Phase



- NEMA 3R rated, suitable for indoor and outdoor use.
- Sand and resin encapsulated design.
- Nonventilated enclosure.
- Mountable in any position indoors and upright outdoors.
- 185°C insulation system, 115°C rise standard.
- 60 Hz operation.
- 600V class insulation.
- Short-term overload capability.

Cutler-Hammer

PartNumber	Dimensions	kVA	Volts	Wt Lbs/Oz
S10N06A51N	6-1/2"H x 4-7/8"W x 4-5/8"D	0.5	120 x 240 to 16/32	13 lbs
S10N04A26N	6-1/2"H x 4-7/8"W x 3-7/8"D	0.25	120 x 240 to 12/24	13 lbs
S10N04A51N	6-1/2"H x 4-7/8"W x 4-5/8"D	0.5	120 x 240 to 12/24	13 lbs
S10N04A76N	8-3/8"H x 6"W x 5-3/4"D	0.75	120 x 240 to 12/24	21lbs

TRANSFORMERS

Transformers - Encapsulated Machine Tool Industrial Control

Single Phase - 240x480 Primary Volts - 120x240 Secondary Volts



Hammond

PartNumber	Dimensions	Amperage	Description	Wt Lbs/Oz
PH150QM MJ	4.00" x 4.94" x 3.81" overall	1.25/0.63 Output Amps	HPS Imperator, encapsulated machine tool Industrial Control XFMR	5.70 lbs
PH500QM MJ	4.75" x 5.94" x 4.31" overall	4.17/2.08 Output Amps	HPS Imperator, encapsulated machine tool Industrial Control XFMR	14.2 lbs

Control Transformers - PT Series

Industrial - Thru 1000VA - 240x480, 230x460, 220x440 Primary Volts - 120/115/110 Secondary Volts

Hammond

PartNumber	Dimensions	Amperage	Description	Wt Lbs/Oz
PT300QM MJ	4.50" x 4.75" x 3.85" overall	0.22 Output Amps	PT Series control transformer	10.75 lbs

TRANSFORMERS

Control Transformers

240/416/480/600; 230/400/460/575; 220/380/440/550; 208/500 Primary Volts

99/120/130; 95/115/125; 91/110/120; 85/100/110 Secondary Volts

Acme

PartNumber	Dimensions	VA	Description
FS-3-750	5.18" x 6.75" x 6.03" overall	750	Industrial control XFMR, Finger Guard Series
FS-3-1000	6.18" x 6.75" x 6.03" overall	1000	Industrial control XFMR, Finger Guard Series

METERING

Residential Meter Mains

Single Position - Ringless - 200A



Milbank Mfg.

PartNumber	Dimensions	Ground Conn	Description
U7021-RL-QG-KK	15-1/2"H x 8"W x 4-1/8"D	Fourplex	Small Hub Opening
U7040-XL-QG-KK	15-1/2"H x 11"W x 4-1/8"D	Fourplex	With Closing Plate
U9551-RXL-QG	19"H x 13"W x 4-7/8"D	Fourplex	With Closing Plate

Underground Meter Mains

Pedestal - Ringless w/ Horn Bypass - 200A - Outdoor



- NEMA Type 3R construction
- Commercial grade
- Grey polyester powder coated
- 120/240V AC
- Single phase, 3 wire, 4 circuits
- Lug-lug main breaker
- Copper plated circuits accept (2) 2-pole or (4) single-pole standard plug-in type circuit breakers
- Lockable and removable cover
- Stainless steel latch
- 10kAIC

Milbank Mfg.

PartNumber	Connectors per Phase	Dimensions	Main Breaker	Description
U5136-O-200S	(2) #6-350 kcmil Line/Neutral Cu/Al	80"H x 10"W x 10-1/4"D	UQFP-M-200	Ringless metered Single Pedestal, 3R, commercial grade, plug-in main circuit brkr

METERING

Underground/Overhead Meter Mains

Ringless 320A - Two-Phase

With (2) 200A 2-Pole Main Breakers (Installed)



Milbank Mfg.

PartNumber	Connectors per Phase	Dimensions	Description
U5059-X-2/200K3L	(Line) #4-600 kcmil Cu/Al - (Load) #6-300 kcmil Cu/Al	42"H x 15"W x 4-7/8"D	HD lever bypass, jaw-clamping meter socket w/ dual 200A Main Breakers installed

LUGS - CUTLER HAMMER

Meter Pack Line Lug Kits

Main Lug Kits

Meter Centers / Load Centers

- Field install for 400A or 600A main bus.



Cutler-Hammer

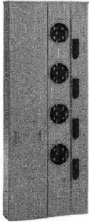
PartNumber	AWG	Description
1MPLK1	#6-600 kcmil or (2) 2/0-250 kcmil	Line lug kit comes w/ 3 lugs, two lines and a neutral

METERING

Meter Mounting Equipment

Meter Packs

Ringless Style Covers with Horn Bypass



Cutler-Hammer

PartNumber	Amperage	No Meter Sockets	Description
1MP2122RRLB	125 (Socket Amperage)	2	Plug-on (Main Tenant breaker type), 200A Bus ampacity, Alum Bus, ringless covers w/horn bypass

MOUNTING EQUIPMENT

Meter Mounting Equipment

Meter Mounting Block

Arlington

PartNumber	Dimensions	Description
MM10	10.0"H x 7.0"W x .75"D	One-piece, non-metallic, paintable
MM18	17.625"H x 15.875"W x .75"D	One-piece, non-metallic, paintable

METERING ACCESSORIES

Hubs

Aluminum

Standard RL / Large R Openings



Milbank Mfg.

PartNumber	Description
A-7515	Hub for standard RL opening, aluminum
A-7516	Hub for standard RL opening, aluminum
A-7517	Hub for standard RL opening, aluminum
A-7518	Hub for standard RL opening, aluminum
A-8110	Hub for Large R opening, aluminum
A-8111	Hub for Large R opening, aluminum
A-8112	Hub for Large R opening, aluminum

METERING ACCESSORIES

Hub Closing Plates

Removeable

RL Opening



Milbank Mfg.

PartNumber	Description
A7551	Small closing plate

TEMPORARY POWER SOLUTIONS

Underground Service Power Outlet

Ringless - 2-20A/125V



- Short circuit current withstand rating 10,000 RMS symmetrical amperes
- Type 3R welded enclosure for durable outdoor use
- Enclosure constructed with galvanized 16 gauge steel
- ASA 61 grey polyester powder coat finish
- Convenient concentric knock-out configurations and mounting embosses
- Wire terminations accept copper or aluminum conductors
- Line: (1) #6-2/0 Ground: (2) 1/0-#14 & (4) #6-#14 Neutral: (2) 1/0-#14 & (4) #6-#14
- Six circuit plated copper interior accepts standard plug-in type circuit breakers
- Three position self-grounded receptacle bridge accepts most standard NEMA receptacles with mounting plates
- Four terminal, ringless meter socket with stainless steel locking hasp. Ring type socket has aluminum MR-2 snap action sealing ring
- Lockable hinge cover and dead front are removable for installation and maintenance

Milbank

PartNumber	Amperage	Dimensions
U4908-0-100MB-11GR	100	25"H x 9"W x 5-1/4"D

METER SOCKETS & SUBMETERS

Electronic KWH

D-MON - 3 Phase - 3 or 4 Wire



- Feature 8-digit LCD display; revenue grade accuracy; nonvolatile memory; industrial grade JIC steel box enclosure; padlocking hasp; mounting flanges; set of three split-core current sensors.
- Direct reading for amperages without multiplier.
- Display accumulative KWH and "real-time" KW load.
- Current sensor installation diagnostic notification.
- 0V-2V output.
- Extend up to 2,000 feet from meter for remote metering without power interruption.
- Parallel up to three sets of sensors for cumulative reading.
- 1 1/16" knockout on bottom of enclosure.
- Compliances: UL Listed; CSA Approved; ANSI Compliant.

E-MON

PartNumber	Amperage	Voltage
208100 KIT	100	120/208-240
208200 KIT	200	120/208-240
480100 KIT	100	277/480
480200 KIT	200	277/480