## Series C Internal Accessories



## Contents

| Description | Page |
| :---: | :---: |
| Product Overview | V4-T2-220 |
| Standards and Certifications | V4-T2-221 |
| Quick Reference | V4-T2-222 |
| G-Frame (15-100 Amperes) | V4-T2-225 |
| F-Frame (10-225 Amperes) | V4-T2-239 |
| J-Frame (70-250 Amperes). | V4-T2-257 |
| K-Frame (70-400 Amperes) | V4-T2-265 |
| L-Frame (125-600 Amperes) | V4-T2-289 |
| M-Frame (300-800 Amperes) . | V4-T2-315 |
| N-Frame (400-1200 Amperes) | V4-T2-326 |
| R-Frame (800-2500 Amperes) | V4-T2-341 |
| Motor Circuit Protectors (MCP) | V4-T2-360 |
| Motor Protection Circuit Breakers (MPCB) | V4-T2-371 |
| Type ELC Current Limiter Attachment (Size 0-4) | V4-T2-373 |
| Current Limiting Circuit Breaker Module | V4-T2-374 |
| Internal Accessories |  |
| Product Selection. | V4-T2-379 |
| Technical Data and Specifications | V4-T2-398 |
| External Accessories. | V4-T2-410 |

## Internal Accessories

## Product Overview

## Alarm Switch

For remote indication of automatic trip operation. Does not function with manual switching; however, it will operate when either a shunt trip or undervoltage release is operated. A
"make" contact closes and a "break" contact opens when the alarm/lockout switch operates. The switch automatically resets when the circuit breaker is reset.

## Auxiliary Switch

The auxiliary switch provides circuit breaker contact status information by monitoring the position of the molded cross bar that contains the moving contact arms. The auxiliary switch is used for remote indication and interlock system verification, and consists of one or two SPDT switches housed in a plug-in module. Each SPDT switch has one "a" and one "b" contact. When the circuit breaker contacts are open, the "a" contact is open and the " $b$ " contact is closed.

## Auxiliary Switch and Alarm Switch Combination

Each catalog number listed in tables on Pages V4-T2-382
and V4-T2-383 includes one auxiliary switch and one alarm switch. In an auxiliary switch ASL switch combination, the auxiliary switch is always mounted on the side of the plug-in module next to the center pole of the circuit breaker.

## Shunt Trip

The shunt trip provides remote controlled tripping of the circuit breaker. The shunt trip consists of an intermittent rated solenoid with a tripping plunger and a cutoff switch assembled to a plug-in module. When required for ground fault protection applications, certain AC rated shunt trips, as noted in the electrical rating table, are suitable for operation at 55 percent of rated voltage.

Select shunt trip catalog number for the voltage within the indicated voltage range. Shunt trip coils are designed to be applied at specific AC or DC voltages within the voltage range shown. Electrical ratings are also shown on applicable circuit breaker accessory nameplates.

## Low Energy Shunt Trip

Low energy shunt trip devices are designed to operate from low energy output signals from dedicated current sensors typically applied in ground fault protection schemes.
However, with a proper control voltage source, they may be applied in place of conventional trip devices for special applications. Flux paths surrounding permanent magnets used in the shunt trip assembly hold a charged spring poised in readiness to operate the circuit breaker trip mechanism.

When a 100 microfarad capacitor charged to 28 Vdc is discharged through the shunt trip coil, the resultant flux opposes the permanent magnet flux field, which releases the stored energy in the spring to trip the circuit breaker. As the circuit breaker resets, the shunt trip reset arm is actuated by the circuit breaker handle, resetting the shunt trip. The plug-in module is mounted in retaining slots in the top of the trip unit. Coil is intermittent-rated only. Cutoff provisions required in control circuit.

Molded Case Circuit Breakers

## Series C

## Undervoltage Release <br> Mechanism

The undervoltage release mechanism monitors a voltage (typically a line voltage) and trips the circuit breaker when the voltage falls to between 70 and 35 percent of the solenoid coil rating.

The undervoltage release mechanism consists of a continuous rated solenoid with a plunger and tripping lever mounted in a plug-in module. The tab on the tripping lever resets the undervoltage release mechanism when normal voltage has been restored and the circuit breaker handle is moved to the reset (or OFF) position. With less than pickup voltage applied to the undervoltage release mechanism, the circuit breaker contacts will not touch when a closing operation is attempted.

Note: Undervoltage release mechanism accessories are not designed for, and should not be used as, circuit interlocks.

## Accessory Terminal Block (R-Frame)

(For fixed-mounted configuration.)
Internal accessory wiring leads are normally supplied with pigtail leads (18 AWG) that exit from the right side of the circuit breaker. Where specified, fixed-mounted accessory terminal blocks are available. A maximum of one 24-point terminal block can be installed on the right side of the circuit breaker for the internal accessories.

For convenience in determining the appropriate number of terminal block points required, refer to Page V4-T2-378.

PowerNet and Zone Interlock Kits (OPTIM 550 only) K-, L-and N -Frames
Eaton's PowerNet
Communications Kit can be ordered to add PowerNet communications to an existing OPTIM 550 breaker in the field. An 18-inch (457.2 mm ) wiring pigtail is routed to the rear of the breaker: two wires for PowerNet and two wires for $24 \mathrm{Vdc}(45 \mathrm{~mA}$ load). It is recommended that the power supply be an "isolated high quality" unit.

## Auxiliary Switch

## Auxiliary Switch



G-Frame Auxiliary Switch (RH Only)

| Electrical Ratings <br> Volts | Frequency | Amperes | Contact <br> Arrangement | Factory <br> Suffix | Catalog <br> Number $1(2)$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 240 | $50 / 60 \mathrm{~Hz}$ | 6 | $1 \mathrm{a} / 1 \mathrm{~b}$ | A3 | 1288C74G03 |
| 240 | $50 / 60 \mathrm{~Hz}$ | 6 | $2 \mathrm{a} / 2 \mathrm{~b}$ | A6 | $\mathbf{1 2 8 8 C 7 3 G 0 3}$ |

F-Frame and HMCP (F) Auxiliary Switch

|  |  | Factory Mou |  |  |  | Factory Instal | $\mathbf{K i t}{ }^{4}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Connection 18-Inch (457 | e and Loca <br> m) Pigtail |  | Terminal Block | Pigtail Leads | Terminal Block |
| Number of Contacts $A$ and B | Mounting Location (Pole) | Same Side <br> Suffix <br> Number | Rear ${ }^{3}$ <br> Suffix <br> Number | Opposite Side Suffix Number | Same Side <br> Suffix <br> Number | Catalog Number | Catalog Number |
| 1 | Left ${ }^{(5)}$ | A01 | A02 | A03 | A04 | A1X1PK | A1X1LTK |
|  | Left (5) | A15 ${ }^{(2)}$ | A16 (2) | A17 ${ }^{(7)}$ | - | E1X1PK | - |
|  | Right or Neutral (6) | A05 | A06 | A07 | A08 | A1X1PK | A1X1RTK ${ }^{8}$ |
|  | Right or Neutral (6) | A18 ${ }^{\text {(1) }}$ | A19 (7) | A20 (3) | - | - | - |
| 2 | Left (5) | A09 | A10 | - | A11 | A2X1LPK | A2X1LTK |
|  | Left (5) | A21 (7) | A22 ${ }^{(2)}$ | - | - | E2X1LPK | - |
|  | Right or Neutral (6) | A12 | A13 | - | A14 | A2X1RPK | A2X1RTK 8 |
|  | Right or Neutral (6) | A23 (7) | A24 (7) | - | - | E2X1RPK | - |

F-Frame with Electronic Trip Unit Auxiliary Switch ©


J-Frame and HMCP (J) Auxiliary Switch

|  |  | Factory Mou <br> Connection | and Loc |  |  | Field Mounted <br> Factory Instal | $\mathrm{Kit}^{(1)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 18-Inch (457 | m) Pigtail |  | Terminal Block | Pigtail Leads | Terminal Block |
| Number of | Mounting | Same Side | Rear ${ }^{3}$ | Opposite Side | Same Side |  |  |
| Contacts <br> $A$ and $B$ | Location (Pole) | Suffix <br> Number | Suffix <br> Number | Suffix <br> Number | Suffix <br> Number | Catalog <br> Number | Catalog <br> Number |
| 1 | Left | A01 | A02 | A03 | A04 | A1X2PK | A1X2LTK |
|  | Right (1) | A05 | A06 | A07 | A08 | A1X2PK | A1X2RTK ${ }^{4}$ |
| 2 | Left | A09 | A10 | - | A11 | A2X2PK | A2X2LTK |
|  | Right (1) | A12 | A13 | - | A14 | A2X2PK | A2X2RTK ${ }^{4}$ |

Notes
(1) Includes 24 -inch external pigtail leads, 18 AWG (16-0.010).
(2) A maximum of two internal accessories may be mounted in a three-pole circuit breaker. Suitable for mounting in right pole only of two- or three-pole breaker.
(3) Standard pigtail lead exit location.
(4) Not listed with Underwriters Laboratories; for field installation.
(5) Pigtail wire size: 18 AWG ( $0.82 \mathrm{~mm}^{2}$ ).
(6) Not for use on F-Frame with electronic trip unit.
(7) 125 volts (max.), $50 / 60 \mathrm{~Hz}$ switch for use in electronic circuit of 100 micro amperes and 15 Vdc minimum.
(8) Not for use on four-pole circuit breakers.
(9) Only for use on three-pole F-Frame breakers with electronic trip unit. Installation auxiliary switch for FD electronic breakers on right pole must be performed at breaker factory.
(10) Listed with Underwriters Laboratories for field installation or interchangeable trip unit breakers under E64983.
(11) Standard mounting location-leads exit rear of breaker.

## Accessories Selection Guide and Ordering Information

## Enclosures

Type 1 General Purpose

- Surface or flush mounting
- 15-1200 ampere range
- $600 \mathrm{Vac}, 500 \mathrm{Vdc}$

Type 1 enclosed breakers are designed for use in commercial buildings, apartment buildings and other areas where a general purpose enclosure is applicable. The breaker is front operable and is capable of being padlocked in either the ON or OFF position. Ratings through 1200 amperes are listed with Underwriters Laboratories as approved for service entrance application. Both surface and flush mounted enclosures are available.

## Type 3R Rainproof Surface Mounting

- Interchangeable hubs (through 400 amperes)
- 15-1200 ampere range
- $600 \mathrm{Vac}, 500 \mathrm{Vdc}$

This general purpose outdoor service center employs a circuit breaker inside a weatherproof sheet steel breaker enclosure to serve

## Enclosure Selection Data

| Breaker Frame Amperes | Enclosure Type Class | Catalog Numbe |
| :---: | :---: | :---: |
| $\begin{aligned} & \text { FG } \\ & 15-225 \end{aligned}$ | Type 1 | SFDN225 |
|  | Type 3R | RFDN225 |
|  | Type 12 | JFDN225 |
| $\begin{aligned} & \mathrm{JG} \\ & 175-250 \end{aligned}$ | Type 1 | SJDN250 |
|  | Type 3R | RJDN250 |
|  | Type 12 | JJDN250 |
| $\begin{aligned} & \text { KG } \\ & 300-400 \end{aligned}$ | Type 1 | SKDN400 |
|  | Type 3R | RKDN400 |
|  | Type 12 | JKDN400 |
| $\begin{aligned} & \text { LG } \\ & 450-600 \end{aligned}$ | Type 1 | SLDN600 |
|  | Type 3R | RLDN600 |
|  | Type 12 | JLDN600 |
| $\begin{aligned} & \text { NG } \\ & 700-1200 \end{aligned}$ | Type 1 | SNDN1200 |
|  | Type 3R | RNDN1200 |
|  | Type 12 | JNDN1200 |

as a main disconnect and protective device for feeder circuits. Ratings through 1200 amperes are listed by Underwriters Laboratories as suitable for service entrance application.

## Type 12 Dustproof Surface

 Mounting- No knockouts or other openings
- 15-1200 ampere range
- $600 \mathrm{Vac}, 500 \mathrm{Vdc}$

The Type 12 enclosure is designed in line with specifications for special industry applications where unusually severe conditions involving oil, coolant, dust and other foreign materials exist in the operating atmosphere. The handle padlocks in the OFF position and the cover is interlocked with the handle mechanism to prevent opening the cover with the circuit breaker in the ON position. Ratings through 1200 amperes are listed by Underwriters Laboratories as suitable for service entrance application.

## Options and Accessories

Standard Terminals

| Breaker <br> Frame | Max. Amp <br> Rating | AWG Wire <br> Range | Metric Wire <br> Range $\mathbf{m m}^{2}$ | Catalog <br> Number |
| :--- | :--- | :--- | :--- | :--- |
| FG | 100 | $14-1 / 0$ | $2.5-50$ | 3T100FB ${ }^{(1)}$ |
| FG | 150 | $4-4 / 0$ | $25-95$ | 3TA225FD ${ }^{(1)}$ |
| JG | 250 | $4-350$ kcmil | $25-185$ | TA250KB |
| KG | 350 | $250-500$ kcmil | $120-240$ | TA350K |
| KG | 400 | $3 / 0-250$ kcmil (2) | $95-120$ | 3TA400K ${ }^{(1)}$ |
| LG | 600 | $250-500$ kcmil (2) | $120-240$ | 3TA603LDK |
| NG | 700 | $1-500$ kcmil (2) | $50-300$ | TA700NB1 |
| NG | 1000 | $3 / 0-400$ kcmil (3) | $95-185$ | TA1000NB1 |
| NG | 1200 | $4 / 0-500$ kcmil (4) | $120-300$ | TA1200NB1 |


| Max. Enclosure <br> Rating (Amperes) | Main Lug Number <br> Size Cu/AI | Ground Lug <br> Size Cu/AI | Catalog <br> Number |
| :--- | :--- | :--- | :--- |
| 100 | (1) $14-1 / 0$ | (1) $14-1 / 0$ | INK100 |
| 250 | (1) $6-350$ kcmil | (1) $4-300$ kcmil | INK250 |
| 400 | (1) $4-750$ kcmil or | (1) $4-300$ kcmil | INK400 |
| 600 | (2) $1 / 0-250$ kcmil |  |  |
| 1200 | (2) $250-500$ kcmil | (1) $4-300$ kcmil | INK600 |
|  | (3) $1 / 0$ to 750 kcmil or | (1) $6-250$ kcmil | INK1200 |

## Internal Accessories

Auxiliary Switch (2)
$\left.\left.\begin{array}{lllll}\text { Breaker } \\ \text { Frame }\end{array} \quad \begin{array}{llll}\text { Factory } \\ \text { Mounted }\end{array} \quad \begin{array}{l}\text { 1A-1B } \\ \text { Field Kit } \\ \text { Catalog Number }\end{array} \quad \begin{array}{l}\text { Factory } \\ \text { Mounted }\end{array}\right) \begin{array}{l}\text { 2A-2B } \\ \text { Field Kit } \\ \text { Catalog Number }\end{array}\right]$

Shunt Trip (2)

| Breaker <br> Frame | Rating | $12-24 \mathrm{Vdc}$ | Factory <br> Mounted |
| :--- | :--- | :--- | :--- |
| FG (3) | $12-24 \mathrm{Vdc}$ | $\mathrm{SO2}$ | Field Kit <br> Catalog Number |
| JG | $12-24 \mathrm{Vdc}$ | S 42 | SNT1LP03K |
| KG | $12-24 \mathrm{Vdc}$ | S 02 | SNT2P04K |
| LG | $12-24 \mathrm{Vdc}$ | $\mathrm{SO2}$ | SNT3P04K |
| NG |  | SNT4LP03K |  |
| Notes <br> (1) Package of three terminals. <br> (2) | Other accessories are available. Same as standard frame breakers. |  |  |
| (3) Field installation on the FG Frame is not UL listed. |  |  |  |
|  |  |  |  |

Specialty Breakers

Internal Accessories-Right Pole Mounting

|  | FD PV ${ }^{1}$ |  | JG PVS |  | $\begin{aligned} & \text { KD PV } \\ & \text { KD PVS } \end{aligned}$ |  | LG PV |  | MDL PV |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Factory Modification Code | Field Kit <br> Catalog <br> Number | Factory Modification Code | Field Kit <br> Catalog <br> Number | Factory Modification Code | Field Kit <br> Catalog <br> Number | Factory Modification Code | Field Kit <br> Catalog <br> Number | Factory Modification Code | Field Kit <br> Catalog <br> Number |
| Auxiliary Switch |  |  |  |  |  |  |  |  |  |  |
| 1A-1B | A06 | A1X1PK | A1 | AUX1A1BPK | A06 | A1X3PK | A1 | AUX1A1BPK | A06 | A1X4PK |
| 2A-2B | A13 | A2X1RPK | A2 | AUX2A2BPK | A13 | A2X3PK | A2 | AUX2A2BPK | A13 | A2X4PK |
| Alarm Switch |  |  |  |  |  |  |  |  |  |  |
| 1 make/1 break | B06 | A1L1RPK | B1 | ALM1M1BJPKL | B06 | A1L3RPK | B1 | ALM1M1BJPK |  | A1L4RPK |
| Auxiliary and Alarm Combo |  |  |  |  |  |  |  |  |  |  |
| 1A-1B, 1 make/1 break | $\mathrm{CO5}$ | AAL1RPK | B2w | AUXALRMJPK | C05 | AAL3RPK | B2 | AUXALRMJPK |  | AA114RPK |

Internal Accessories-Left Pole Mounting

|  | FD PV ${ }^{1}$ |  | JG PVS |  | KD PV <br> KD PVS |  | LG PV |  | MDL PV |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Factory <br> Modification <br> Code | Field Kit <br> Catalog <br> Number | Factory <br> Modification <br> Code | Field Kit <br> Catalog <br> Number | Factory Modification Code | Field Kit <br> Catalog <br> Number | Factory <br> Modification <br> Code | Field Kit <br> Catalog <br> Number | Factory <br> Modification <br> Code | Field Kit <br> Catalog <br> Number |
| Shunt Trip |  |  |  |  |  |  |  |  |  |  |
| 12 Vdc | S02 | SNT1LP03K | S4 | SNT012CPK | S42 | SNT3P04K | S4 | SNT012CPK | S02 | SNT4LP03K |
| 24 Vdc | S02 | SNT1LP03K | S6 | SNT024CPK | S42 | SNT3P04K | S6 | SNT024CPK | S02 | SNT4LP03K |
| 48 Vdc | S06 | SNT1LP08K | S7 | SNT4860CPK | S50 | SNT3P06K | S7 | SNT4860CPK | S86 | SNT4LP23K |
| 60 Vdc | S06 | SNT1LP08K | S7 | SNT4860CPK | S50 | SNT3P06K | S7 | SNT4860CPK | S86 | SNT4LP23K |
| 125 Vdc | S10 | SNT1LP12K | S5 | SNT125DPK | S10 | SNT3P11K | S2 | SNT120CPK | S42 | SNT4LP26K |
| 250 Vdc | S14 | SNT1LP18K | - | - | S14 | SNT3P14K | - | - | S14 | SNT4LP14K |
| 120 Vac | S10 | SNT1LP12K | S2 | SNT120CPK | S10 | SNT3P11K | S2 | SNT120CPK | S10 | SNT4LP11K |
| Undervoltage Release |  |  |  |  |  |  |  |  |  |  |
| 12 Vdc | U30 | UVH1LP20K | - | - | T02 | UVH3LP20K | U1 | UVR012DPK | T02 | UVH4LP20K |
| 24 Vdc | U34 | UVH1LP21K | U2 | UVR024CPK | T02 | UVH3LP21K | U2 | UVR024DPK | T06 | UVH4LP21K |
| 48 Vdc | U38 | UVH1LP22K | U4 | UVR048DPK | T10 | UVH3LP22K | U4 | UVR048DPK | T10 | UVH4LP22K |
| 60 Vdc | - | - | U4 | UVR048DPK | - | - | - | - | - | - |
| 125 Vdc | U42 | UVH1LP26K | U6 | UVR125DPK | T14 | UVH3LP26K | U6 | UVR125DPK | T14 | UVH4LP26K |
| 250 Vdc | U46 | UVH1LP28K | U8 | UVR250DPK | T18 | UVH3LP28K | U8 | UVR250DPK | T18 | UVH4LP28K |
| 120 Vac | U14 | UVH1LP08K | U5 | UVR120APK | U18 | UVH3LP08K | U5 | UVR120APK | U18 | UVH4LP08K |

## Notes

(1) Underwriters Laboratories requires that internal accessories for the FD PV be installed at the factory. Internal accessories are UL listed for factory installation under E7819. Where local codes and standards permit and UL listing is not required, internal accessories can be field installed. Accessory installation should be done before the circuit breaker is mounted and connected.
One accessory can be mounted per pole, per breaker.

Shunt Trip (1)

| Breaker Type | Voltage Rating | Mounting Location | Catalog Number | Factory Modification Code |
| :---: | :---: | :---: | :---: | :---: |
| $\mathrm{E}^{2} \mathrm{~F} / \mathrm{E}^{2} \mathrm{FM}$ | $\begin{aligned} & \text { 48-127 Vac or } \\ & 48-60 \text { Vdc } \end{aligned}$ | Left pole | SNT1LP08K ${ }^{\text {2 }}$ | S06 |
|  | $\begin{aligned} & 208-230 \mathrm{Vac} \text { or } \\ & 110-127 \mathrm{Vdc} \end{aligned}$ | Left pole | SNT1LP12K ${ }^{(2)}$ | S10 |
| $\mathrm{E}^{2} \mathrm{~J} / \mathrm{E}^{2} \mathrm{JM}$ | $\begin{aligned} & 110-240 \mathrm{Vac} \text { or } \\ & 110-125 \mathrm{Vdc} \end{aligned}$ | Left pole | SNT2P11K ${ }^{3}$ | S10 |
| $\mathrm{E}^{2} \mathrm{~K} / \mathrm{E}^{2} \mathrm{KM} / \mathrm{E}^{2} \mathrm{KW}$ | $\begin{aligned} & 110-240 \mathrm{Vac} \text { or } \\ & 110-125 \mathrm{Vdc} \end{aligned}$ | Left pole | SNT3P11K ${ }^{3}$ | S10 |
| E2LME/E2LMZ | $24 \mathrm{Vac} / \mathrm{Vdc}$ | Left pole | SNT024CPK | S6 |
|  | 48-60 Vac/Vdc | Left pole | SNT4860CPK | S7 |
|  | $110-240 \mathrm{Vac} / \mathrm{Vdc}$ | Left pole | SNT120CPK | S2 |
| $E^{2} L / E^{2} L M / E^{2} L W / E^{2} M /$ $\mathrm{E}^{2} \mathrm{MM} / \mathrm{E}^{2} \mathrm{MW}$ | 48-60 Vac | Left pole | SNT4LP05K ${ }^{(2)}$ | S06 |
|  | 48-60 Vdc | Left pole | SNT4LP23K ${ }^{\text {2 }}$ | S86 |
|  | 110-240 Vac | Left pole | SNT4LP11K ${ }^{\text {2 }}$ | S10 |
|  | 110-125 Vdc | Left pole | SNT4LP26K ${ }^{(2)}$ | S42 |
| $\mathrm{E}^{2} \mathrm{~N} / \mathrm{E}^{2} \mathrm{NM}$ | 110-240 Vac | Left pole | SNT5LP11K ${ }^{(2)}$ | S10 |
|  | 110-125 Vdc | Left pole | SNT5LP26K ${ }^{(2)}$ | S42 |
| E2R/E22RM | 110-240 Vac | Right pole | SNT6P11K ${ }^{4}$ | S29 |
|  | 110-125 Vdc | Right pole | SNT6P26K ${ }^{4}$ | S45 |

Alarm (Signal/Lockout Switch)

| Breaker Type | Number of Sets of Contacts (Make and Break) | Mounting Location | Catalog Number | Factory <br> Modification <br> Code |
| :---: | :---: | :---: | :---: | :---: |
| $\mathrm{E}^{2} / \mathrm{E}^{2} \mathrm{FM}$ | 1 | Right | A1L1LPK/A1L1RPK | B06 |
|  | 2 | Right | A2L1LPK/A2L1RPK | B13 |
| $\mathrm{E}^{2} \mathrm{~J} / \mathrm{E}^{2} \mathrm{JM}$ | 1 | Right | A1L2LPK/A1L2RPK | B06 |
| $\mathrm{E}^{2} \mathrm{~K} / \mathrm{E}^{2} \mathrm{KM} / \mathrm{E}^{2} \mathrm{KW}$ | 1 | Right | A1L3LPK/A1L3RPK | B06 |
|  | 2 | Right | A2L3LPK/A2L3RPK | B13 |
| E2LME/E²LMZ | 1 | Right | ALM1M1BJPK | B1 |
|  | 2 | Right | ALM2M2BJPK | B3 |
| $\mathrm{E}^{2} \mathrm{~L} / \mathrm{E}^{2} \mathrm{LM} / \mathrm{E}^{2} \mathrm{LW} / \mathrm{E}^{2} \mathrm{M} /$ $E^{2} M M / E^{2} M W$ | 1 | Right | A1L4LPK/A1L4RPK | B06 |
|  | 2 | Right | A2L4LPK/A2L4RPK | B13 |
| $\mathrm{E}^{2} \mathrm{~N} / \mathrm{E}^{2} \mathrm{NM}$ | 1 | Right | A1L5LPK/A1L5RPK | B06 |
|  | 2 | Right | A2L5LPK/A2L5RPK | B13 |
| $\mathrm{E}^{2} \mathrm{R} / \mathrm{E}^{2} \mathrm{RM}$ | 1 | Right | A1L6RPK | B05 |
|  | 2 | Right | A2L6RPK | B12 |

## Notes

(1) Contact Eaton for internal accessory voltage ratings not listed.
2) LH (RH also available).
(3) LH or RH .
(4) RH only.

Auxiliary Switch

| Breaker Type | Number of Sets of Contacts (1A and 1B) | Mounting <br> Location | Catalog Number | Factory <br> Modification Code |
| :---: | :---: | :---: | :---: | :---: |
| $\mathrm{E}^{2} \mathrm{~F} / \mathrm{E}^{2} \mathrm{FM}$ | 1 | Right | A1X1PK | A06 |
|  | 2 | Right | A2X1RPK | A13 |
| $\overline{E^{2} J / E^{2} J M}$ | 1 | Right | A1X2PK | A06 |
|  | 2 | Right | A2X2PK | A13 |
| E'K/E2KM/E²KW | 1 | Right | A1X3PK | A06 |
|  | 2 | Right | A2X3PK | A13 |
| E2LME/E2LMZ | 1 | Right | AUX1A1BPK | A1 |
|  | 2 | Right | AUX2A2BPK | A2 |
| E²/EE2LM/E2LW/E²M/ $E^{2} M M / E^{2}$ MW | 1 | Right | A1X4PK | A06 |
|  | 2 | Right | A2X4PK | A13 |
| $\mathrm{E}^{2} \mathrm{~N} / \mathrm{E}^{2} \mathrm{NM}$ | 1 | Right | A1X5PK | A06 |
|  | 2 | Right | A2X5PK | A13 |
| E2R/E2RM | 2 | Right | A2X6RPK | A12 |
|  | 4 | Right | A4X6RPK | A19 |

