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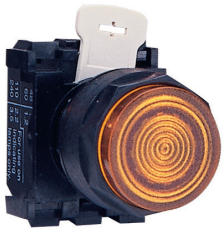
# E22 Illuminated Pushbuttons

## Illuminated pushbuttons

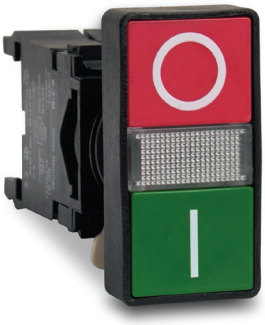


*Note: Bulb removal tool available. See replacement bulbs on the accessories page.*

| Illuminated Pushbuttons | | | | |
|---|---|---|---|---|
| **Color** | **Part Number** | **Description** | **Price** | **Drawing Link** |
| ***24V AC/DC Full Voltage*** | | | | |
| **Red** | **E22TB2X4B** | Momentary illuminated pushbutton, black bezel, extended red button with one N.C. contact, 24V full voltage light unit | $82.00 | PDF |
| **Green** | **E22TB3X4A** | Momentary illuminated pushbutton, black bezel, extended green button with one N.O. contact 24V full voltage light unit | $82.00 | PDF |
| **Amber** | **E22TB9X4A** | Momentary illuminated pushbutton, black bezel, extended amber button with one N.O. contact, 24V full voltage light unit | $82.00 | PDF |
| ***120V AC Resistor **** | | | | |
| **Red** | **E22TB2X10B** | Momentary illuminated pushbutton, black bezel, extended red button with one N.C. contact, 120V resistor light unit | $95.00 | PDF |
| **Green** | **E22TB3X10A** | Momentary illuminated pushbutton, black bezel, extended green button with one N.O. contact, 120V resistor light unit | $95.00 | PDF |
| **Amber** | **E22TB9X10A** | Momentary Illuminated pushbutton, black bezel, extended amber button with one N.O. contact, 120V resistor light unit | $91.00 | PDF |

**See specifications and mounting data at the beginning of this E22 series section.**
*** Use 60V replacement lamp (W1226) for 120 VAC resistor models**

## Illuminated double-headed pushbutton



| Illuminated Double-headed Pushbutton | | | | |
|---|---|---|---|---|
| **Color** | **Part Number** | **Description** | **Price** | **Drawing Link** |
| ***Double-headed Pushbutton ***** | | | | |
| **Green-Red** | **E22DB1B20X11C** | Momentary illuminated double-headed pushbutton with clear lens, O and I legend markings, 120V transformer light unit, one N.O. and one N.C. contact | $161.00 | PDF |

**See specifications and mounting data at the beginning of this section.**
**Note: This IP65 or UL (NEMA) Type 3, 3R, 4, 4X, 12, 13 pushbutton includes a protective clear silicone boot.**
**** Use 6V replacement lamp (ECX1900-5)**

## Mushroom pushbutton station

| Mushroom Pushbutton Station | | | | |
|---|---|---|---|---|
| **Color** | **Part Number** | **Description** | **Price** | **Drawing Link** |
| ***Emergency Stop Station*** | | | | |
| **Red/Yellow** | **E22ASB106** | Latch in, twist-to-release 40mm red mushroom pushbutton, black bezel, with one N.C. contact. | $170.00 | PDF |

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# E22 Emergency Stop Mushroom Pushbuttons

The European Machinery Safety Directive EN 418 requires all emergency OFF devices to be self-latching types and to have positive (direct) opening operation. Devices have to be manually reset. EN 418 states that actuators shall be mushroom head type and colored RED. The background immediately around the device actuator should be colored YELLOW (see the E22 accessories in this section to order legend plate part number E22VA8 or guard part number E22MGTA).

E22VA8

E22MGTA

The E22LTA2QB Emergency Stop pushbutton, in conjunction with direct-opening action contact blocks and either a yellow nameplate or yellow guard, is fully compliant with this safety directive, and is third-party certified by DEMKO.

## CE EN 418 Compliant Non-illuminated Emergency Stop Mushroom Pushbuttons

| Color | Part Number | Description | Price | Drawing Link |
|---|---|---|---|---|
| (A) Red | E22LTA2QB | Trigger action twist-to-release Maintained 40mm red mushroom pushbutton, Emergency Stop. black bezel, with one N.C. contact | $72.00 | PDF |
| (B) Red | E22LPB2B | Push-Pull Maintained 40mm red mushroom pushbutton, Emergency Stop. black bezel, with one N.C. contact | $47.00 | PDF |
| (C) Red | E22JLB2N8B | Push-Pull Maintained 50 mm red aluminum mushroom pushbutton, Emergency Stop engraved, black bezel, with one N.C. contact | $78.00 | N/A |
| (D) Red | E22JPLB2B | Push-Pull Maintained 50 mm red mushroom pushbutton, not engraved, black bezel, with one N.C. contact | $60.00 | PDF |

**See specifications and mounting data at the beginning of this E22 series section.**
**Note: E22MGTA fits E22LTA2QB.**
**It is not recommended for use with devices that are not EN-418 compliant .**

## Non-illuminated Mushroom Pushbuttons (NOT CE EN 418 Compliant)

| Color | Part Number | Description | Price | Drawing Link |
|---|---|---|---|---|
| (E) Red | E22JPB2B | Momentary 50 mm red mushroom pushbutton, black bezel, with one N.C. contact | $49.50 | PDF |
| (F) Red | E22LB2B | Momentary 40 mm red mushroom pushbutton, black bezel, with one N.C. contact | $47.50 | PDF |
| (G) Red | E22LLB2B | Twist release Maintained 40mm red mushroom pushbutton, black bezel, with one N.C. contact | $51.00 | PDF |

**See specifications and mounting data at the beginning of this E22 series section.**

A

B

C

D, E

F

G

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# E22 Series Technical Specifications

| Ingress Protection (IP) Rating | |
|---|---|
| (IP65, IP66 ratings to IEC 529) UL Listed (NEMA) Types 1, 2, 3, 3R, 4, 4X, 12, and 13 when mounted in an enclosure rated for those same applications. | |
| **Electrical Specifications** | |
| ***Electrical Rating*** | UL508; UL File E131568. CSA certified class 3211 03, LR 68551. NEMA ICS5-2000: A600, Q600 (refer to page 90). IEC 60947-5-1: AC15, DC13. |
| **Maximum Frequency of Operation** | |
| ***22mm Pushbuttons*** | 6,000 operations/hour IEC 60947-5-1: AC15, DC13. |
| ***Key and Lever Selector Switches*** | 3,000 operations/hour |
| ***Twist-to-Release Devices*** | 1,200 operations/hour |
| ***Push-Pull Operators*** | 3,000 operations/hour |
| **Mechanical Life** | |
| ***Pushbutton*** | 5 million operations |
| ***Selector Switches*** | 500,000 operations |
| ***Push-Pull and Twist-to-Release*** | 300,000 operations |
| ***Contact Block*** | 3 million operations |
| **Environmental Specifications** | |
| ***Operating Temperature*** | Maximum 60°C at 95% RH, -20 to 60°C (-14 to 140°F), altitude 2000 meters |
| ***Storage Temperature*** | Maximum 60°C at 95% RH, -40 to 80°C (-40 to 176°F) |
| **Vibration** | |
| ***Vibration*** | 5G/0.7 mm peak-to-peak 10 sweeps, 10-500 Hz |
| ***Shock*** | 18G, 18ms |
| ***Bump*** | 25G, 6ms for 1,000 cycles |
| **Construction** | |
| ***Components*** | ***Materials*** |
| ***Housing, Bezel, Mounting Rings*** | Glass-filled nylon |
| ***Internal Seal*** | Nitrate rubber |
| ***Panel Gasket*** | Nitrate rubber |
| ***Illuminated Lenses*** | Polycarbonate |
| ***Buttons*** | Polyester or polycarbonate |
| ***Springs*** | Stainless steel |
| ***Contacts*** | Silver |
| ***Terminal Screws/ Terminals*** | Brass |
| **Panel Thickness - mm (inches)** | |
| ***Nominal*** | 6.8 (0.2)[1] |
| ***Aluminum Legend Plates*** | 1.3 (0.05) |
| ***Large Yellow Round Legend Plates*** | 1.0 (0.04) |
| ***Minimum*** | 1.0 (0.04) |
| ***1) Installation of certain accessories will increase the total (overall) panel thickness by the amount shown. The total panel thickness with all accessories installed cannot exceed the maximum allowable nominal dimensions of 6.8 mm (0.27 in.).*** | |
| **Wire Specifications** | |
| ***Minimum/Maximum*** | 18AWG (0.75 $mm^2$) / 12AWG (2.5 $mm^2$) |
| ***Tightening Torque*** | 7 lb·in |

## Electrical life

- AC15 durability:
  120V, 6A  1 X $10^6$ operations
- DC13 durability:
  24V, 8A  0.15 X $10^6$ operations
  660V, .1A  0.5 X $10^6$

## Logic-level operation

5 VDC, 1mA (minimum recommended)

Contacts feature a pointed surface called "Reliability Nib." The projection penetrates through any oxidation providing unmatched low-level operation without using exotic metals or sealed contacts.

## Standards and approvals

- UL listed – UL 508 electrical/environmental;
- UL 486E terminal secureness, File E131568
- CSA Certified – CSA 22.2 #14
- NEMA ICS-1, ICS-2
- IEC 144, 337, 529, 947
- IP65 when mounted in enclosure
- Lloyds No. 4 and 5
- M.T.T.A.
- CE

## IEC utilization categories & ratings

AC15
(Control of AC electromagnetic loads)

- 24 volts AC at 10 amps
- 130 volts AC at 6.5 amps

DC13
(Control of DC electromagnetic loads)

- 24 volts DC at 1.5 amps
- 110 volts DC at .5 amps

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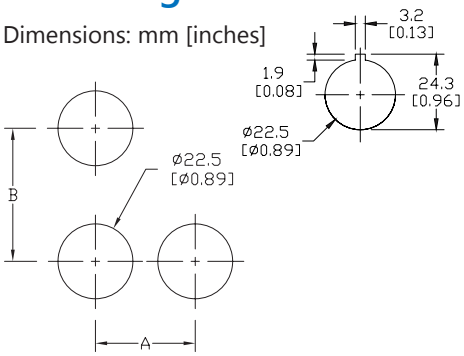
# E22 Mounting / NEMA Aux Contact Ratings

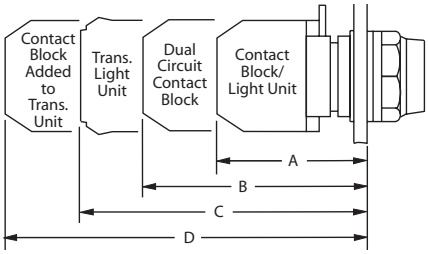
## Mounting

Dimensions: mm [inches]




## Back-of-panel extensions

***Note: This view is to show dimensions only. Contact blocks are not stackable.***

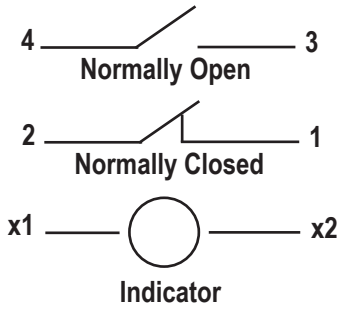



| Minimum Spacing — mm [inches] | | |
|---|---|---|
| ***Size/Type of Operator*** | ***Dimensions*** | |
| | ***A*** | ***B*** |
| All types up to 30 (1.18) dia. including knob and key operated selector switches — except those listed below<br>Three-way adapter | 30 (1.18) | 50 (1.97) |
| 50 (1.97) dia. operators | 55 (2.16) | 55 (2.16) |
| Large yellow round legend plate - 70 (2.76) diameter | 75 (2.95) | 50 (1.97) |

| Approximate Dimensions — mm [inches] | | | |
|---|---|---|---|
| ***A*** | ***B*** | ***C*** | ***D*** |
| Single circuit block — full voltage and resistor units | Dual circuit contact block | Transformer light unit | Transformer light unit and single circuit contact block |
| ***Pushbuttons (All Types and Push-Pull)*** | | | |
| 51 [2.0] | 66 (2.6) | 74 (2.91) | 94 (3.7) |
| ***Key and Knob Selector Switches*** | | | |
| 57 [2.2] | 72 (2.83) | 80 (3.15) | 99 (3.9) |

## Control Circuit Contact Electrical Ratings and Wiring

***Typical Wiring***




| NEMA Mechanical Switching Ratings and Test Values for DC Control Circuit Contacts | | | | | |
|---|---|---|---|---|---|
| ***Contact Rating Designation*** | ***Thermal Continuous Test Current (A)*** | ***Maximum Make or Break DC Current (A)*** | | | ***Volt amperes*** |
| | | ***125 Volts*** | ***250 Volts*** | ***301 to 600 Volts*** | |
| ***P300*** | 5.0 | 1.1 | 0.55 | --- | 138 |
| ***P600*** | 5.0 | 1.1 | 0.55 | 0.20 | 138 |
| ***Q300*** | 2.5 | 0.55 | 0.27 | --- | 69 |
| ***Q600*** | 2.5 | 0.55 | 0.27 | 0.10 | 69 |
| ***R300*** | 1.0 | 0.22 | 0.11 | --- | 28 |

**This chart is provided as a guideline only, and the ratings and values are not guaranteed to be accurate. It is the users' responsibility to properly size their control circuit devices. The chart values are from NEMA Standard ICS 5-2000, Table 1-4-2.**

| NEMA Mechanical Switching Ratings and Test Values for AC Control Circuit Contacts | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Contact Rating Designation*** | ***Thermal Continuous Test Current (A)*** | ***Maximum AC Current, 50/60Hz (A)*** | | | | | | | | ***Volt amperes*** | |
| | | ***120 Volts*** | | ***240 Volts*** | | ***480 Volts*** | | ***600 Volts*** | | | |
| | | ***Make*** | ***Break*** | ***Make*** | ***Break*** | ***Make*** | ***Break*** | ***Make*** | ***Break*** | ***Make*** | ***Break*** |
| ***A300*** | 10 | 60 | 6.00 | 30 | 3.00 | --- | --- | --- | --- | 7200 | 720 |
| ***A600*** | 10 | 60 | 6.00 | 30 | 3.00 | 15 | 1.50 | 12 | 1.20 | 7200 | 720 |
| ***B300*** | 5 | 30 | 3.00 | 15 | 1.50 | --- | --- | --- | --- | 3600 | 360 |
| ***B600*** | 5 | 30 | 3.00 | 15 | 1.50 | 7.5 | 0.75 | 6 | 0.60 | 3600 | 360 |
| ***C600*** | 2.5 | 15 | 1.5 | 7.5 | 0.75 | 3.75 | 0.375 | 3.00 | 0.30 | 1800 | 180 |

**This chart is provided as a guideline only, and the ratings and values are not guaranteed to be accurate. It is the users' responsibility to properly size their control circuit devices. The chart values are from NEMA Standard ICS 5-2000, Table 1-4-1.**

# E22 Key Switches and Accessories

## Two-position key switches

| Key Switches | | | |
|---|---|---|---|
| *Part Number* | *Description* | *Price* | *Drawing Link* |
| ***E22KB53A*** | Selector switch, black bezel, 2-position key, “OFF ON” with one N.O. contact block | $105.00 | PDF |
| ***E22KB62A*** | Selector switch, black bezel, 2-position key, spring from right “OFF ON” with one N.O. contact block | $105.00 | PDF |

**See specifications and mounting data at the beginning of this E22 series section.**
**Notes:**
**All E22 series key switches are keyed alike. The key is not compatible with the metal 22mm key switches.**
**All E22 series key switches will hold only one single row of (2) contacts (non-stackable).**
**Key can be removed in all positions.**

## Replacement contact blocks

**E22B1**

**E22B2**

**E22CB1M**

| Replacement Contact Blocks | | | |
|---|---|---|---|
| *Part Number* | *Description* | *Price* | *Drawing Link* |
| ***E22B1**** | One N.C. contact (Direct Opening Action) | $20.50 | PDF |
| ***E22B2*** | One N.O. contact | $20.50 | PDF |
| ***E22B11**** | One N.O., One N.C. contact (N.C. Direct Opening Action) | $36.50 | PDF |
| ***E22B20*** | Two N.O. contacts | $36.50 | PDF |
| ***E22CB1M**** | Self-monitoring contact block (N.C. Direct Opening Action) | $47.00 | PDF |

**Note: See contact electrical ratings on E22 series mounting and contact ratings page in this E22 series section.**
***All N.C. contact blocks are EN 418 compliant when used with compliant operators.**

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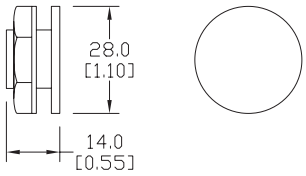
# E22 Accessories

## Octagonal wrench

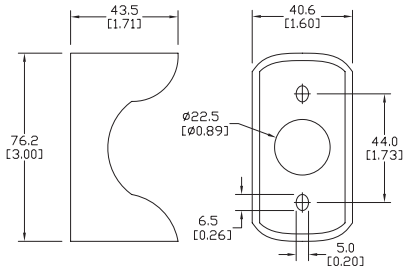
## Hole plug

Dimensions: mm [inches]




## Bulb removal tool

## Guard for E22 E-stop




## Replacement incandescent bulbs

## Replacement LED lamps

### Accessories

| Part number | Description | Price |
|---|---|---|
| HT8WRENCH | Octagonal wrench for tightening back-of-panel mounting nut on all Cutler-Hammer operators. | $19.00 |
| E22BHP | Hole plug for unused 22mm panel holes. | $14.00 |
| HT8LAMPTOOL | Lamp extraction tool for removing lamps from switches, indicators and stacklights | $10.00 |
| E22MGTA | 22mm yellow guard for E22LTA2QB and E22LPB2B for emergency stop applications. | $30.50 |

### Replacement Incandescent Bulbs

| Part Number | Rating | Description | Quantity | Price |
|---|---|---|---|---|
| ECX1900-5 | 6V, 1.2 watts | 6V replacement bulb for 22mm switches and indicators. Miniature bayonet base T31/4. | 5 | $9.50 |
| ECX1902-5 | 24V@ 80mA | 24V replacement bulb for 22mm switches and indicators. Miniature bayonet base T31/4. | 5 | $9.50 |
| ECX1904-5 | 130V@20mA | 120V replacement bulb for 22mm switches and indicators. Miniature bayonet base T31/4. | 5 | $20.00 |
| W1121 | 120V@20mA | Replacement bulb for Cutler-Hammer E22 full voltage indicators and switches. Does not replace the LED monoblock indicators. | 4 | $38.50 |
| W1226 | 60V@20mA | Replacement bulb for Cutler-Hammer E22 resistor indicators, switches and pushbuttons. Does not replace the LED monoblock indicators. | 4 | $38.50 |
| W1819 | 24V@20mA | Replacement bulb for Cutler-Hammer E22 indicators and pushbuttons. Does not replace the LED monoblock indicators. | 4 | $37.50 |

### Replacement LED Lamps

| Part Number | Color | Rating | Description | Quantity | Price |
|---|---|---|---|---|---|
| ECX1911-2 | Red | 24V@26mA | LED replacement lamp for miniature bayonet bases Works with 22mm switches and indicators, but illumination will not be as even when used with the ECX 22mm indicators Note: Will not replace sealed Cutler-Hammer monoblock LED indicators. | 2 | $17.50 |
| ECX1912-2 | Green | | | | $22.00 |
| ECX1913-2 | Yellow | | | | $17.50 |
| ECX1914-2 | Blue | | | | $23.50 |
| ECX1915-2 | White | | | | $28.00 |
| ECX1921-2 | Red | 120V@5mA | | | $17.50 |
| ECX1922-2 | Green | | | | $22.00 |
| ECX1923-2 | Yellow | | | | $17.50 |
| ECX1924-2 | Blue | | | | $23.50 |
| ECX1925-2 | White | | | | $28.00 |

# E22 Legend Plates

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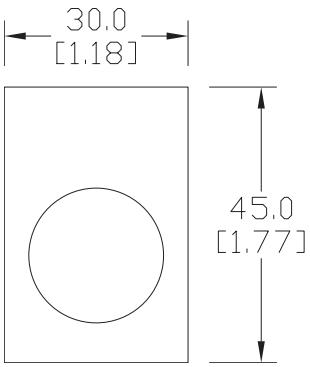
## Legend plates

Aluminum legend plates feature a plastisol backing to help prevent rotation of the operator.

Dimensions: mm [inches]



E22VA8

| Legend Plates | | | | |
|---|---|---|---|---|
| *Part Number* | *Price* | *Color* | *Legend* | *Drawing Link* |
| *E22NS11* | $7.50 | Black | "CLOSE" | PDF |
| *E22NS12* | $7.50 | Black | "DOWN" | PDF |
| *E22NS13* | $7.50 | Red | "EMERG. STOP" | PDF |
| *E22NS15* | $7.50 | Black | "FORWARD" | PDF |
| *E22NS19* | $7.50 | Black | "JOG" | PDF |
| *E22NS25* | $7.50 | Black | "ON" | PDF |
| *E22NS26* | $7.50 | Black | "OPEN" | PDF |
| *E22NS30* | $7.50 | Black | "REVERSE" | PDF |
| *E22NS31* | $7.50 | Black | "RUN" | PDF |
| *E22NS33* | $7.50 | Black | "START" | PDF |
| *E22NS34* | $7.50 | Red | "STOP" | PDF |
| *E22NS35* | $7.50 | Black | "UP" | PDF |
| *E22NS36* | $7.50 | Black | Blank plate | PDF |
| *E22NS37* | $7.50 | Red | Blank plate | PDF |
| *E22NS38* | $7.50 | Black | "FOR-REV" | PDF |
| *E22NS39* | $7.50 | Black | "HAND-AUTO" | PDF |
| *E22NS41* | $7.50 | Black | "JOG-RUN" | PDF |
| *E22NS42* | $7.50 | Black | "OFF-ON" | PDF |
| *E22NS43* | $7.50 | Black | "OPEN-CLOSE" | PDF |
| *E22NS48* | $7.50 | Black | "UP-DOWN" | PDF |
| *E22NS50* | $7.50 | Black | "FOR-OFF-REV" | PDF |
| *E22NS51* | $7.50 | Black | "HAND-OFF-AUTO" | PDF |
| *E22NS80* | $7.50 | Black | "POWER ON" | PDF |
| *E22NS81* | $7.50 | Black | "MOTOR RUN" | PDF |
| *E22NS82* | $7.50 | Black | "MOTOR STOP" | PDF |
| *E22NL36* | $7.50 | Black | Jumbo alum. blank plate (1.57 in wide x 1.85 in tall) | PDF |
| *E22NL37* | $7.50 | Red | Jumbo alum. blank plate (1.57 in wide x 1.85 in tall) | PDF |
| *E22NSP77* | $7.50 | Red /black | Plastic blank plate; red on one side, black on other side; either side can have letters engraved down into white plastic | PDF |
| *E22VA8* | $12.50 | Yellow | "EMERGENCY STOP" oversize yellow legend plate, 2.76" (70mm), printed | N/A |

**NOTE: Legend plates also work with the GCX/ECX series 22mm metal switches. The removal of the locator tab on the legend plate is required. This is easily accomplished with a round file or small grinder.**

# E22 Series Cross-reference Tables

| Pushbutton, Indicator Light, and Selector Switch Cross Reference | | | | |
|---|---|---|---|---|
| ***Cutler-Hammer*** | ***Allen-Bradley*** | ***Telemecanique XB2B (chrome bezel) XA2B (black bezel)*** | ***GE C-2000*** | ***Siemens*** |
| ***Non-Illuminated Pushbuttons*** | | | | |
| E22PB1A | 800EPF2<br>800E3LX10 | ZA2BA2<br>ZA2BZ101 | P9XPNNG10N0 | 3SB1000-0AB01<br>3SB02-CBH<br>3SB1400-0B |
| E22PB3A | 800EPF3<br>800E3LX10 | ZA2BA3<br>ZA2BZ101 | P9XPNVG10N0 | 3SB1000-0AE01<br>3SB02-CBH<br>3SB1400-0B |
| E22EB2B | 800EPE4<br>800E3LX01 | ZA2BL4<br>ZA2BZ102 | P9XPNRS20N0 | 3SB1000-0LC01<br>3SB02-CBH<br>3SB1400-0B |
| E22ASB204 | ENCLSR: 800E-2P<br>800EP-F3<br>800E-2LX10<br>800EP-E4<br>800E-2LX01<br>800E-34BE208<br>800E-34R212 | XALB211<br>Both flush - stop is not extended | P9CPNRSN20NO<br>P9CPNVGN10NO P9EPB02<br>P9AEPN201 P9AEPN202 | 3SB02-S21 |
| ***Illuminated Pushbuttons*** | | | | |
| E22TB2X4B | 800EPLE4<br>800E3DL3<br>800E3X01 | ZA2BW14<br>ZA2BW06224 | P9XPLRSDN12NADI | 3SB1001-OLC01<br>3SB02-CBH<br>3SB1400-0C<br>3SB1400-2H |
| E22TB3X4A | 800EPLE3<br>800E3DL3<br>800E3X10 | ZA2B213<br>AZ2B206124 | P9XPLVSDN12NADI | 3SB1001-0LE01<br>3SB02-CBH<br>3SB1400-0B<br>3SB1440-2H |
| E22TB9X4A | 800EPLE5<br>800E3DL3<br>800E3X10 | ZA2BW15<br>ZA2BW06124 | P9XPLASDN12NADI | 3SB1001-0LD01<br>3SB02-CBH<br>3SB1400-0B<br>3SB1400-2H |
| E22TB2X10B | 800EPLE4<br>800E2RL5<br>800E3X01 | ZA2BW14<br>ZA2BW062120 | P9XPLRSB<br>P9PRNVJ<br>P9PDNVD | 3SB1001-0LC01<br>3SB02-CBH<br>3SB1400-0C |
| E22TB3X10A | 800EPLE3<br>800E2RL5<br>800E3X10 | ZA2BW13<br>ZA2BW061120 | P9XPLVSD<br>P9PRNVJ<br>P9PDNVD | 3SB02-UPR1P<br>3SB1910-0DE<br>3SB1400-OB |
| E22TB9X10A | 800DPLE5<br>800E2RL5<br>800E3X10 | ZA2BW15<br>ZA2B2061120 | P9XPLASD<br>P9PRNVJ<br>P9PDNVD | 3SB02-UPR1P<br>3SB1910-0DD<br>3SB1400-0B |

# E22 Series Cross-reference Tables

| Pushbutton, Indicator Light, and Selector Switch Cross Reference (cont'd) | | | | |
|---|---|---|---|---|
| ***Cutler-Hammer*** | ***Allen-Bradley*** | ***Telemecanique XB2B (chrome bezel) XA2B (black bezel)*** | ***GE C-2000*** | ***Siemens*** |
| ***Non-Illuminated Mushroom Pushbuttons*** | | | | |
| E22LB2B | 800EPM4<br>800E3LX01 | ZA2BC4<br>ZA2BZ102 | P9XEM4RNN20N0 | 3SB1000-1RC01<br>3SB02-CBH<br>3SB1400-0C |
| E22LLB2B | 800EPMT4<br>800E3LX01 | ZA2BS54<br>ZA2BZ102 | P9XER4RAN20N0 | 3SB1000-1AC01<br>3SB02-CBH<br>3SB1400-0C |
| E22JPB2B | 800EPMJ4<br>800E3LX01 | ZA2BR4<br>ZA2BZ102 | P9XEMGRN (60mm)<br>P9BO1VN | 3SB1000-1VC01 (70MM) 3SB1400-0C |
| E22JLB2N8B | 800EPMJP28<br>800E3LX01 | NO EQUAL | NO EQUAL | NO EQUAL |
| E22JPLB2B | 800EPMJP24<br>800E3LX01 | ZA2BX4<br>ZA2BZ102 | P9XET4RN1200 | 3SB1000-0KC01 (40mm) 3SB1400-0C |
| E22ASB106 | 800EP-MT4<br>800E-2LX01<br>800E-1P<br>800E-15YE112 | XALJ174<br>No Nameplate +Yellow Cover | P9XER4RAN20N0 P9EPB01<br>P9AEPNEN | 3SB02-S13<br>No Nameplate + Yellow Cover |
| ***Indicating Lights*** | | | | |
| | | ***Use ZA2 or ZB2 for these indicating lights*** | | |
| E22HV2X4 | 800EPPL4<br>800E3DL3 | ZA2BV04<br>ZA2BV624 | P9XURRD0<br>BA9S24 | N/A |
| E22HV3X4 | 800EPPL3<br>800E3DL3 | ZA2BV03<br>ZA2BV624 | P9XUGRD0<br>BA9S24 | N/A |
| E22HV9X4 | 800EPPL5<br>800E3DL3 | ZA2BVO5<br>ZA2BV624 | P9XUARD0<br>BA9S24 | N/A |
| E22HV2X8 | 800EPPL4<br>800E3DL5 | ZA2BV04<br>ZA2BV6120 | B9XURRD0<br>BA9S130 | N/A |
| E22HV3X8 | 800EPPL3<br>800E3DL5 | ZA2BV03<br>ZA2BV6120 | B9XUGRD0<br>BA9S130 | N/A |
| E22HV9X8 | 800EPPL5<br>800E3DL5 | ZA2BV05<br>ZA2BV6120 | B9XUARD0<br>BA9S130 | N/A |
| E22HL2X4 | 800EPPL4<br>800E3DL3R | ZA2BV043<br>ZA2BV624<br>DL1CJUS0244 | B9XURRD0<br>080BA9S24LR | N/A |
| E22HL3X4 | 800EPPL3<br>800E3DL3G | ZA2BV033<br>ZA2BV624<br>DL1CJUS0243 | B9XUGRD0<br>080BA9S24LG | N/A |
| E22HL9X4 | 800EPPL5<br>800E3DL3A | ZA2BV053<br>ZA2BV624<br>DL1CJUS0245 | B9XUARD0<br>080BA9S24LA | N/A |
| E22HL2X8 | 800EPPL4<br>800E3DL5R | ZA2BV043<br>ZA2BV620<br>DL1CJUS1204 | B9XURRD0<br>080BA9S120LR | N/A |
| E22HL3X8 | 800EPPL3<br>800E3DL5G | ZA2BV033<br>ZA2BV6120<br>DL1CJUS1203 | B9XUGRD0<br>080BA9S120LG | N/A |
| E22HL9X8 | 800EPPL5<br>800E3DL5A | ZA2BV053<br>ZA2BV6120<br>DL1CJUS1205 | B9XUARD0<br>080BA9S120LA | N/A |

# E22 Series Cross-reference Tables

| Pushbutton, Indicator Light, and Selector Switch Cross Reference (cont'd) | | | | |
|---|---|---|---|---|
| ***Cutler-Hammer*** | ***Allen-Bradley*** | ***Telemecanique XB2B (chrome bezel) XA2B (black bezel)*** | ***GE C-2000*** | ***Siemens*** |
| ***Indicating Lights (cont'd)*** | | | | |
| | | ***Use ZA2 or ZB2 for these indicating lights*** | | |
| E22H2X11 | 800EPPL4<br>800E3TL5 | ZA2BV04 ZA2BV3 | P9XLRGJI | 3SB1001-6CC06<br>3SB02-CBH<br>3SB1400-5M |
| E22H3X11 | 800EPPL3<br>800E3TL5 | ZA2BV03<br>ZA2BVB3 | P9XLGGJI | 3SB1001-6CE06<br>3SB02-CBH<br>3SB1400-5M |
| E22H9X11 | 800EPPL5<br>800E3TL5 | ZA2BV05<br>ZA2BV3 | P9XLAGJI | 3SB1001-6CD06<br>3SB02-CBH<br>3SB1400-5M |
| E22TB9X26 | 800DPLE5<br>800ETLT5X11 | ZA2B215<br>ZA2BW065120 | P9XPLASDN30NKJI | 3SB02-UPR1P<br>3SB1910-0DD<br>3SB1400-0B |
| E22TB2X27 | 800EPLE4<br>800E3TLT5X11 | ZA2BW14<br>ZA2BW035 | P9XPLRSDN30NHJI | 3SB100-0QC01<br>3SB02-CBH<br>3SB1400-5M |
| E22TB9X27 | 800EPLE5<br>800E3TLT5X11 | ZA2BW15<br>ZA2BW035 | P9XPLASDN30NHJI | 3SB1001-0QA01<br>3SB02-CBH<br>3SB1400-5M |
| ***Selector Switches*** | | | | |
| E22XB51A | 800EPSM22<br>800E3LX10 | ZA2BD2<br>ZA2BZ101 | P9XSMD0N<br>P9B10VN | 3SB02-2MKBP<br>3SB1400-0B |
| E22XB51C | 800EPSM22<br>800E3LX11 | ZA2BD2<br>ZA2BZ105 | P9XSMD0N<br>P9B11VN | 3SB02-2MKBP<br>3SB1400-0C |
| E22XBG1RR | 800EPSM32<br>800E3LX20<br>800E3LX02 | ZA2BD3<br>ZA2BZ103<br>ZA2BZ104 | P9XSMZ0N<br>P9B11VN | 3SB02-3MKBP<br>3SB1400-0G<br>3SB1400-0H |
| E22KB53A | 800EPKM2Z1<br>800E3LX11 | ZA2BG4<br>ZA2BZ101 | P9XSCD0K95<br>P9B10VN | 3XB02-2MHC1P<br>3SB1400-0B |
| E22KB62A | 800EPKR2Z1<br>800E3LX10 | ZA2BG6<br>ZA2BZ101 | P9XSCD0K95<br>P9B10VN | 3SB02-2LHC1P<br>3SB1400-0B |

# E22 Series Cross-reference Tables

| Pushbutton, Indicator Light, and Selector Switch Cross Reference (cont'd) | | | | |
|---|---|---|---|---|
| ***Cutler-Hammer*** | ***Allen-Bradley*** | ***Telemecanique XB2B (chrome bezel) XA2B (black bezel)*** | ***GE C-2000*** | ***Siemens*** |
| ***Accessories*** | | | | |
| E22B1 | 800E3X01 | ZA2BZ102 | P9B01VN | 3SB1400-0C |
| E22B2 | 800E3X10 | ZA2BZ101 | P9B10VN | 3SB1400-0B |
| E22NS33 | 800E13BE208 | ZA2BZ32303 | P9ACP2N202 | P22MPS03 |
| E22NS34 | 800E13BE212 | ZA2BZ32304 | P9ACP2N201 | P22MPS04 |
| E22NS19 | 800E13BE138 | ZA2BZ32101 + custom text | P9ACP2N210 | P22MPS28 |
| E22NS11 | 800E13BE107 | ZA2BZ32314 | P9ACP2N205 | P22MPS19 |
| E22NS12 | 800E13BE110 | ZA2BZ32308 | P9ACP2N203 | P22MPS17 |
| E22NS50 | 800E13BE261 | ZA2BZ32101+ custom text | P9ACP2N239 | P22MPS81 |
| E22NS15 | 800E13BE120 | ZA2BZ32305 | P9ACP2N214 | P22MPS07 |
| E22NS38 | 800E1BE253 | ZA2BZ32101+ custom text | P9ACP2N231 | P22MPS57 |
| E22NS39 | 800E13BE127 | ZA2BZ32101 + custom text | P9ACP2N243 | P22MPS52 |
| E22NS51 | 800E13BE128 | ZA2BZ32387 | P9ACP2N261 | P22MPS80 |
| E22NS41 | 800E13BE142 | ZA2BZ32101 + custom text | P9ACP2N245 | P22MPS65 |
| E22NS81 | 800E13B | ZA2BZ32101 + custom text | P9ACP2NFEN | P22MPS38 |
| E22NS82 | 800E13B | ZA2BZ32101 + custom text | P9ACP2NFEN | P22MPSBB + custom text |
| E22NS25 | 800E13BE166 | ZA2BZ32311 | P9ACP2R212 | P22MPS01 |
| E22NS26 | 800E13BE170 | ZA2BZ32313 | P9ACP2N206 | P22MPS18 |
| E22NS43 | 800E13BE171 | ZA2BZ32101 + custom text | P9ACP2N234 | P22MPS60 |
| E22NS30 | 80013BE188 | ZA2BZ32306 | P9ACP2N215 | P22MPS08 |
| E22NS31 | 800E13BE193 | ZA2BZ32334 | P9ACP2N211 | P22MPS06 |
| E22NS35 | 800E13BE22 | ZA2BZ32307 | P9ACP2N204 | P22MPS16 |
| E22NS48 | 80013BE224 | ZA2BZ32101 + custom text | P9ACP2N256 | P22MPS61 |
| E22NS13 | 800E13BE112 | ZA2BZ32330 | P9ACP2R229 | P22MPS27 |
| E22VA8 | 800E16Y | ZB2BY9303 | 080XTG802 | 3SX1348 |