

## SBE-PB Series: SBE Transformer with an integral fuse block

### Features

- Fuse block is prewired to the transformer.
- Electrical characteristics identical to the SBE.
- Primary side fuse clips for “CC” rejection type fuses.
- Secondary fuse holder available for either ¼" x 1¼" or 13/32" x 1½" fuses.
- Exceeds NEMA, ANSI, NBMTA, JIC and automotive electrical requirements.
- 50/60 Hz.
- UL Listed, CSA Certified.
- “Touch Proof” cover plates are available for above fuseblocks. Add suffix -TC to the catalog number.
- Five types of fuse blocks available (fuses not included):

**3PB** – Designed to accommodate two primary class “CC” rejection type fuses and one secondary ¼" x 1¼" type 3 AG (or equivalent) cartridge fuse.

**3PBX** – Designed to accommodate two primary class “CC” rejection type fuses and one secondary 13/32 x 1½" cartridge fuse.

**11PB** – Designed to accommodate one primary class “CC” rejection type fuses and one secondary ¼ x 1¼" type 3 AG (or equivalent) cartridge fuse.

**11PBX** – Designed to accommodate one primary class “CC” rejection type fuses and one secondary 13/32 x 1½" cartridge fuse.

**20PB** – Designed to accommodate two primary class “CC” rejection type fuses, no secondary fuses.



### SBE-3PB Selection Tables

#### Group 1 – 120 x 240 Volt Primary, 24 Volt Secondary with 3PB Fuse Block

| VA  | Catalog Number | Height (inch) | Width (inch) | Depth (inch) | Mtg Width | Mtg Depth | Slot Size | Approx. Ship Weight (lbs) |
|-----|----------------|---------------|--------------|--------------|-----------|-----------|-----------|---------------------------|
| 60  | E060E-3PB      | 4.31          | 3.00         | 3.13         | 2.50      | 2.00      | .20 x .33 | 2.7                       |
| 95  | E095E-3PB      | 4.63          | 3.38         | 3.19         | 2.81      | 2.19      | .20 x .33 | 3.9                       |
| 105 | E105E-3PB      | 4.63          | 3.38         | 3.19         | 2.81      | 2.38      | .20 x .33 | 4.5                       |
| 180 | E180E-3PB      | 5.63          | 4.50         | 3.56         | 3.75      | 2.25      | .20 x .33 | 7.0                       |
| 225 | E225E-3PB      | 5.63          | 4.50         | 3.94         | 3.75      | 2.50      | .20 x .33 | 8.3                       |
| 275 | E275E-3PB      | 5.56          | 4.50         | 4.00         | 3.75      | 2.88      | .20 x .33 | 10.3                      |
| 320 | E320E-3PB      | 6.44          | 5.25         | 4.00         | 4.38      | 3.25      | .31 x .69 | 10.4                      |
| 380 | E380E-3PB      | 6.44          | 5.25         | 4.56         | 4.38      | 3.63      | .31 x .69 | 13.8                      |

#### Group 2 – 120 x 240 Volt Primary, 24 Volt Secondary with 3PBX Fuse Block

| VA  | Catalog Number | Height (inch) | Width (inch) | Depth (inch) | Mtg Width | Mtg Depth | Slot Size | Approx. Ship Weight (lbs) |
|-----|----------------|---------------|--------------|--------------|-----------|-----------|-----------|---------------------------|
| 60  | E060E-3PBX     | 4.31          | 3.00         | 3.13         | 2.50      | 2.00      | .20 x .33 | 2.7                       |
| 95  | E095E-3PBX     | 4.63          | 3.38         | 3.19         | 2.81      | 2.19      | .20 x .33 | 3.9                       |
| 105 | E105E-3PBX     | 4.63          | 3.38         | 3.19         | 2.81      | 2.38      | .20 x .33 | 4.5                       |
| 180 | E180E-3PBX     | 5.63          | 4.50         | 3.56         | 3.75      | 2.25      | .20 x .33 | 7.0                       |
| 225 | E225E-3PBX     | 5.63          | 4.50         | 3.94         | 3.75      | 2.50      | .20 x .33 | 8.3                       |
| 275 | E275E-3PBX     | 5.56          | 4.50         | 4.00         | 3.75      | 2.88      | .20 x .33 | 10.3                      |
| 320 | E320E-3PBX     | 6.44          | 5.25         | 4.00         | 4.38      | 3.25      | .31 x .69 | 10.4                      |

#### Group 3 – 120 x 240 Volt Primary, 24 Volt Secondary with 11PB Fuse Block

| VA  | Catalog Number | Height (inch) | Width (inch) | Depth (inch) | Mtg Width | Mtg Depth | Slot Size | Approx. Ship Weight (lbs) |
|-----|----------------|---------------|--------------|--------------|-----------|-----------|-----------|---------------------------|
| 60  | E060E-11PB     | 4.31          | 3.00         | 3.13         | 2.50      | 2.00      | .20 x .33 | 2.7                       |
| 95  | E095E-11PB     | 4.63          | 3.38         | 3.19         | 2.81      | 2.19      | .20 x .33 | 3.9                       |
| 105 | E105E-11PB     | 4.63          | 3.38         | 3.19         | 2.81      | 2.38      | .20 x .33 | 4.5                       |
| 180 | E180E-11PB     | 5.63          | 4.50         | 3.37         | 3.75      | 2.25      | .20 x .33 | 6.4                       |
| 225 | E225E-11PB     | 5.63          | 4.50         | 3.94         | 3.75      | 2.50      | .20 x .33 | 8.3                       |
| 275 | E275E-11PB     | 5.56          | 4.50         | 4.00         | 3.75      | 2.88      | .20 x .33 | 10.3                      |
| 320 | E320E-11PB     | 6.44          | 5.25         | 4.00         | 4.38      | 3.25      | .31 x .69 | 10.4                      |
| 380 | E380E-11PB     | 6.44          | 5.25         | 4.56         | 4.38      | 3.63      | .31 x .69 | 13.8                      |

## SBE-3PB Series Selection Tables

### Group 4 – 120 x 240 Volt Primary, 24 Volt Secondary with 11PBX Fuse Block

| VA  | Catalog Number | Height (inch) | Width (inch) | Depth (inch) | Mtg Width | Mtg Depth | Slot Size | Approx. Ship Weight (lbs) |
|-----|----------------|---------------|--------------|--------------|-----------|-----------|-----------|---------------------------|
| 60  | E060E-11PBX    | 4.38          | 3.00         | 3.13         | 2.50      | 2.00      | .20 x .33 | 2.1                       |
| 95  | E095E-11PBX    | 4.63          | 3.38         | 3.00         | 2.81      | 2.19      | .20 x .33 | 3.9                       |
| 105 | E105E-11PBX    | 4.63          | 3.38         | 3.19         | 2.81      | 2.38      | .20 x .33 | 4.1                       |
| 180 | E180E-11PBX    | 5.56          | 4.50         | 3.37         | 3.75      | 2.25      | .20 x .33 | 6.4                       |
| 225 | E225E-11PBX    | 5.56          | 4.50         | 3.62         | 3.75      | 2.50      | .20 x .33 | 7.4                       |
| 275 | E275E-11PBX    | 5.56          | 4.50         | 4.00         | 3.75      | 2.88      | .20 x .33 | 9.2                       |
| 320 | E320E-11PBX    | 6.44          | 5.25         | 4.00         | 4.38      | 3.25      | .31 x .69 | 10.4                      |

### Group 5 – 120 x 240 Volt Primary, 24 Volt Secondary with 20PB Fuse Block

| VA  | Catalog Number | Height (inch) | Width (inch) | Depth (inch) | Mtg Width | Mtg Depth | Slot Size | Approx. Ship Weight (lbs) |
|-----|----------------|---------------|--------------|--------------|-----------|-----------|-----------|---------------------------|
| 60  | E060E-20PB     | 4.38          | 3.00         | 3.13         | 2.50      | 2.00      | .20 x .33 | 2.1                       |
| 95  | E095E-20PB     | 4.63          | 3.38         | 3.19         | 2.81      | 2.19      | .20 x .33 | 3.2                       |
| 105 | E105E-20PB     | 4.63          | 3.38         | 3.19         | 2.81      | 2.38      | .20 x .33 | 3.7                       |
| 180 | E180E-20PB     | 5.56          | 4.50         | 3.38         | 3.75      | 2.25      | .20 x .33 | 6.4                       |
| 225 | E225E-20PB     | 5.56          | 4.50         | 3.63         | 3.75      | 2.50      | .20 x .33 | 7.4                       |
| 275 | E275E-20PB     | 5.56          | 4.50         | 4.00         | 3.75      | 2.88      | .20 x .33 | 9.2                       |
| 320 | E320E-20PB     | 6.44          | 5.25         | 4.00         | 4.38      | 3.25      | .31 x .69 | 10.4                      |
| 380 | E380E-20PB     | 6.44          | 5.25         | 4.38         | 4.38      | 3.63      | .31 x .69 | 12.9                      |

### Group 6 – 240 x 480 Volt Primary, 120 Volt Secondary with 3PB Fuse Block

| VA   | Catalog Number | Height (inch) | Width (inch) | Depth (inch) | Mtg Width | Mtg Depth | Slot Size | Approx. Ship Weight (lbs) |
|------|----------------|---------------|--------------|--------------|-----------|-----------|-----------|---------------------------|
| 60   | E060-3PB       | 4.32          | 3.00         | 3.13         | 2.50      | 2.00      | .20 x .33 | 2.75                      |
| 95   | E095-3PB       | 4.63          | 3.38         | 3.00         | 2.81      | 2.19      | .20 x .33 | 4.3                       |
| 105  | E105-3PB       | 4.82          | 3.38         | 3.25         | 2.81      | 2.38      | .20 x .33 | 4.5                       |
| 180  | E180-3PB       | 5.63          | 4.50         | 3.56         | 3.75      | 2.25      | .20 x .33 | 7.3                       |
| 225  | E225-3PB       | 5.63          | 4.50         | 3.94         | 3.75      | 2.50      | .20 x .33 | 8.3                       |
| 275  | E275-3PB       | 5.56          | 4.50         | 4.00         | 3.75      | 2.88      | .20 x .33 | 9.0                       |
| 320  | E320-3PB       | 6.44          | 5.25         | 4.00         | 4.38      | 3.25      | .31 x .69 | 10.3                      |
| 380  | E380-3PB       | 6.44          | 5.25         | 4.38         | 4.38      | 3.63      | .31 x .69 | 12.6                      |
| 550  | E550-3PB       | 6.44          | 5.25         | 5.00         | 4.38      | 4.25      | .31 x .69 | 16.8                      |
| 850  | E850-3PB       | 7.38          | 6.38         | 5.69         | 5.31      | 4.25      | .31 x .69 | 24.9                      |
| 1100 | E1100-3PB      | 9.00          | 6.38         | 6.38         | 5.31      | 5.00      | .31 x .69 | 31.8                      |

### Group 7 – 240 x 480 Volt Primary, 120 Volt Secondary with 3PBX Fuse Block

| VA   | Catalog Number | Height (inch) | Width (inch) | Depth (inch) | Mtg Width | Mtg Depth | Slot Size | Approx. Ship Weight (lbs) |
|------|----------------|---------------|--------------|--------------|-----------|-----------|-----------|---------------------------|
| 60   | E060-3PBX      | 4.38          | 3.00         | 3.13         | 2.50      | 2.00      | .20 x .33 | 2.1                       |
| 95   | E095-3PBX      | 4.63          | 3.38         | 3.19         | 2.81      | 2.19      | .20 x .33 | 3.3                       |
| 105  | E105-3PBX      | 4.63          | 3.38         | 3.19         | 2.81      | 2.38      | .20 x .33 | 3.7                       |
| 180  | E180-3PBX      | 5.56          | 4.50         | 3.38         | 3.75      | 2.25      | .20 x .33 | 6.2                       |
| 225  | E225-3PBX      | 5.56          | 4.50         | 3.63         | 3.75      | 2.50      | .20 x .33 | 7.7                       |
| 275  | E275-3PBX      | 5.56          | 4.50         | 4.31         | 3.75      | 2.88      | .20 x .33 | 10.3                      |
| 320  | E320-3PBX      | 6.25          | 5.25         | 4.00         | 4.38      | 3.25      | .31 x .69 | 12.0                      |
| 380  | E380-3PBX      | 6.38          | 5.25         | 4.69         | 4.38      | 3.63      | .31 x .69 | 13.8                      |
| 550  | E550-3PBX      | 6.44          | 5.25         | 5.00         | 4.38      | 4.25      | .31 x .69 | 16.8                      |
| 850  | E850-3PBX      | 6.69          | 6.38         | 5.69         | 5.31      | 4.25      | .31 x .69 | 25.3                      |
| 1100 | E1100-3PBX     | 7.25          | 6.38         | 6.38         | 5.31      | 5.00      | .31 x .69 | 31.8                      |

### Group 8 – 240 x 480 Volt Primary, 120 Volt Secondary with 11PB Fuse Block

| VA   | Catalog Number | Height (inch) | Width (inch) | Depth (inch) | Mtg Width | Mtg Depth | Slot Size | Approx. Ship Weight (lbs) |
|------|----------------|---------------|--------------|--------------|-----------|-----------|-----------|---------------------------|
| 60   | E060-11PB      | 4.38          | 3.00         | 3.13         | 2.50      | 2.00      | .20 x .33 | 2.1                       |
| 95   | E095-11PB      | 4.63          | 3.38         | 3.19         | 2.81      | 2.19      | .20 x .33 | 3.3                       |
| 105  | E105-11PB      | 4.63          | 3.38         | 3.19         | 2.81      | 2.38      | .20 x .33 | 3.7                       |
| 180  | E180-11PB      | 5.56          | 4.50         | 3.38         | 3.75      | 2.25      | .20 x .33 | 6.2                       |
| 225  | E225-11PB      | 5.56          | 4.50         | 3.63         | 3.75      | 2.50      | .20 x .33 | 7.7                       |
| 275  | E275-11PB      | 5.56          | 4.50         | 4.31         | 3.75      | 2.88      | .20 x .33 | 10.3                      |
| 320  | E320-11PB      | 6.25          | 5.25         | 4.00         | 4.38      | 3.25      | .31 x .69 | 12.0                      |
| 380  | E380-11PB      | 6.38          | 5.25         | 4.69         | 4.38      | 3.63      | .31 x .69 | 13.8                      |
| 550  | E550-11PB      | 6.44          | 5.25         | 5.00         | 4.38      | 4.25      | .31 x .69 | 16.8                      |
| 850  | E850-11PB      | 6.69          | 6.38         | 5.69         | 5.31      | 4.25      | .31 x .69 | 25.3                      |
| 1100 | E1100-11PB     | 7.25          | 6.38         | 6.38         | 5.31      | 5.00      | .31 x .69 | 31.8                      |

### Group 9 – 240 x 480 Volt Primary, 120 Volt Secondary with 11PBX Fuse Block

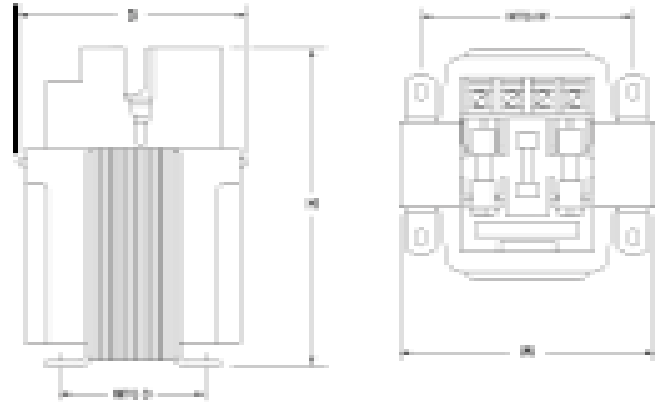
| VA   | Catalog Number | Height (inch) | Width (inch) | Depth (inch) | Mtg Width | Mtg Depth | Slot Size | Approx. Ship Weight (lbs) |
|------|----------------|---------------|--------------|--------------|-----------|-----------|-----------|---------------------------|
| 60   | E060-11PBX     | 4.38          | 3.00         | 3.13         | 2.50      | 2.00      | .20 x .33 | 2.1                       |
| 95   | E095-11PBX     | 4.63          | 3.38         | 3.19         | 2.81      | 2.19      | .20 x .33 | 3.3                       |
| 105  | E105-11PBX     | 4.63          | 3.38         | 3.19         | 2.81      | 2.38      | .20 x .33 | 3.7                       |
| 180  | E180-11PBX     | 5.56          | 4.50         | 3.38         | 3.75      | 2.25      | .20 x .33 | 6.2                       |
| 225  | E225-11PBX     | 5.56          | 4.50         | 3.63         | 3.75      | 2.50      | .20 x .33 | 7.7                       |
| 275  | E275-11PBX     | 5.56          | 4.50         | 4.31         | 3.75      | 2.88      | .20 x .33 | 10.3                      |
| 320  | E320-11PBX     | 6.25          | 5.25         | 4.00         | 4.38      | 3.25      | .31 x .69 | 12.0                      |
| 380  | E380-11PBX     | 6.38          | 5.25         | 4.69         | 4.38      | 3.63      | .31 x .69 | 13.8                      |
| 550  | E550-11PBX     | 6.44          | 5.25         | 5.00         | 4.38      | 4.25      | .31 x .69 | 16.8                      |
| 850  | E850-11PBX     | 6.69          | 6.38         | 5.69         | 5.31      | 4.25      | .31 x .69 | 25.3                      |
| 1100 | E1100-11PBX    | 7.25          | 6.38         | 6.38         | 5.31      | 5.00      | .31 x .69 | 31.8                      |

## SBE-3PB Series Selection Tables

Group 10 – 240 x 480 Volt Primary,  
120 Volt Secondary with 20PB Fuse Block

| VA   | Catalog Number | Height (inch) | Width (inch) | Depth (inch) | Mtg Width | Mtg Depth | Slot Size | Approx. Ship Weight (lbs) |
|------|----------------|---------------|--------------|--------------|-----------|-----------|-----------|---------------------------|
| 60   | E060-20PB      | 4.38          | 3.00         | 3.13         | 2.50      | 2.00      | .20 x .33 | 2.1                       |
| 95   | E095-20PB      | 4.63          | 3.38         | 3.19         | 2.81      | 2.19      | .20 x .33 | 3.3                       |
| 105  | E105-20PB      | 4.63          | 3.38         | 3.19         | 2.81      | 2.38      | .20 x .33 | 3.7                       |
| 180  | E180-20PB      | 5.56          | 4.50         | 3.38         | 3.75      | 2.25      | .20 x .33 | 6.2                       |
| 225  | E225-20PB      | 5.56          | 4.50         | 3.63         | 3.75      | 2.50      | .20 x .33 | 7.7                       |
| 275  | E275-20PB      | 5.56          | 4.50         | 4.31         | 3.75      | 2.88      | .20 x .33 | 10.3                      |
| 320  | E320-20PB      | 6.25          | 5.25         | 4.00         | 4.38      | 3.25      | .31 x .69 | 12.0                      |
| 380  | E380-20PB      | 6.38          | 5.25         | 4.69         | 4.38      | 3.63      | .31 x .69 | 13.8                      |
| 550  | E550-20PB      | 6.44          | 5.25         | 5.00         | 4.38      | 4.25      | .31 x .69 | 16.8                      |
| 850  | E850-20PB      | 6.69          | 6.38         | 5.69         | 5.31      | 4.25      | .31 x .69 | 25.3                      |
| 1100 | E1100-20PB     | 7.25          | 6.38         | 6.38         | 5.31      | 5.00      | .31 x .69 | 32.8                      |

## SBE-3PB Design Style



## Fuse Block Comparisons

|                  | 3PB  | 3PBX   | 11PB   | 11PBX  | 20PB   |
|------------------|--|--|--|--|--|
| <b>Primary</b>   | Two-Class CC Dual Element Rejection Type Fuses Type KLD-R, FNQ-R or equivalent | Two-Class CC Dual Element Rejection Type Fuses Type KLD-R, FNQ-R or equivalent | One-Class CC Dual Element Rejection Type Fuses Type KLD-R, FNQ-R or equivalent | One-Class CC Dual Element Rejection Type Fuses Type KLD-R, FNQ-R or equivalent | Two-Class CC Dual Element Rejection Type Fuses Type KLD-R, FNQ-R or equivalent |
| <b>Secondary</b> | (1) 1/4" x 1 1/4" Dual Element Slow-Burn Fuse Type 3 AG or equivalent          | (1) 13/32" x 1 1/2" Dual Element Slow-Burn Fuse Type KLK, FNM or equivalent    | (1) 1/4" x 1 1/4" Dual Element Slow-Burn Fuse Type 3 AG or equivalent          | (1) 13/32" x 1 1/2" Dual Element Slow-Burn Fuse Type KLK, FNM or equivalent    | No Secondary Fuses   |

**Note:**

Factory installed "touch proof" covers available for all of the above listed fuse blocks. To order, add the suffix "TC" to catalog number.