

The SBE - Encapsulated Series

The SBE Encapsulated industrial control transformers are epoxy encapsulated to seal the transformer windings against moisture, dirt and industrial contaminants. Extra deep, molded terminal barriers reduce the chance of electrical failure as the result of arcing or frayed lead wires. The rugged construction and proven reliability of the SBE design is uniquely suited for all industrial environments.

Features

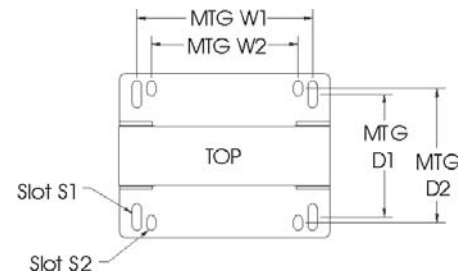
- 50 - 1000 VA, 50/60 Hz – suitable for worldwide applications.
- Interleaved copper windings reduce I²R losses and maximize efficiency.
- 55°C Rise, 105°C insulation system to minimize heat
- Epoxy encapsulated to protect cores and coils against moisture, dirt, and other contaminants.
- Meets or Exceeds NEMA Standard ST 1 and ANSI C89.1 for load inrush capability.
- Integrally molded, flame retardant (IEC 707/ISO Class 1210) Terminal Blocks provide greater terminal contact area and improved conductivity.
- Heavy gauge steel mounting plate
- Mounting dimensions are compatible with similar control transformers.
- **Secondary fuse holders (FB2X) included for 13/32 x 1½ cartridges (fuses not included).**
- **Factory-installed fuse holders are available (See W, WA & WB options).**
- 10 year warranty



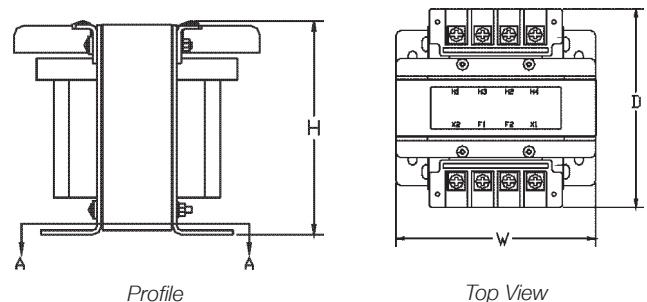
Related Products

- Linear Power Supplies
- DIN Rail DC Power Supplies
- Constant Voltage Transformers
- Line Reactors

SBE Mounting Profiles



Mounting Dimensions



Profile

Top View

Accessories

Catalog Number	Description
FBP	Primary "CC" Rejection Type Fuse Holder (Finger Safe covers not available)
FB2	Secondary Fuse Holder only (Glass or Ceramic, ¼" x 1¼" fuse)
FB2X	Secondary Fuse Holder only included where applicable. Not sold separately. (Midget Cartridge Type, 13/32" x 1½" fuse)
FBPC1	Primary "CC" Rejection Type Fuse Holder and Finger Safe Cover Kit
IP20	IEC Touchproof Cover Kit
SBEDIN	IEC Fuse Holder Adaptor Kit
W	Factory installed Primary Fuse Holder with Midget Type (no covers)
WA	Factory installed Fuse Holder with Glass/Ceramic Type and Covers
WB	Factory installed Fuse Holder with Midget Type and Covers

SBE Encapsulated Series Selection Tables

Group 2 – 220 x 440 Volt Primary, 110 Volt Secondary, 50/60 Hz
230 x 460 Volt Primary, 115 Volt Secondary, 50/60 Hz
240 x 480 Volt Primary, 120 Volt Secondary, 60 Hz



VA	Catalog Number	Height (inch)	Width (inch)	Depth (inch)	Mtg Width W1 / W2	Mtg Depth D1 / D2	Slot Size (inches) S1 / S2	Approx. Ship Weight lbs (kg)	
50	E050	2.72	3.01	3.99	2.51 / NA	2.02 / NA	.20 x .33 / .20 x .33	3 (1.36)	
75	E075	2.96	3.39	4.36	2.81 / 2.50	2.10 / NA	.20 x .50 / .20 x .50	4 (1.82)	
100	E100	2.96	3.39	4.61	2.81 / 2.50	2.37 / NA	.20 x .50 / .20 x .50	5 (2.27)	
150	E150	3.89	4.5	4.48	3.74 / 3.12	2.56 / 2.87	.20 x .65 / .20 x .33	8 (3.64)	
200	E200	3.89	4.5	4.79	3.74 / 3.12	2.87 / 3.18	.20 x .65 / .20 x .33	10 (4.55)	
250	E250	3.89	4.5	5.21	3.74 / 3.12	3.29 / 3.61	.20 x .65 / .20 x .33	11 (5.00)	
300	E300	4.53	5.25	4.66	4.38 / 3.75	3.10 / NA	.31 x .71 / .31 x .71	12 (5.45)	
350	E350	4.53	5.25	5.07	4.38 / 3.75	3.54 / NA	.31 x .71 / .31 x .71	15 (6.82)	
500	E500	4.53	5.25	5.75	4.38 / 3.75	4.33 / NA	.31 x .85 / .31 x .85	19 (8.64)	
750	E750	5.56	6.38	6.93	5.32 / 4.37	4.25 / 5.75	.31 x .85 / .31 x .85	31 (14.09)	
1000	E1000	5.56	6.38	7.36	5.32 / 4.37	4.68 / 6.18	.31 x .85 / .31 x .85	36 (16.36)	

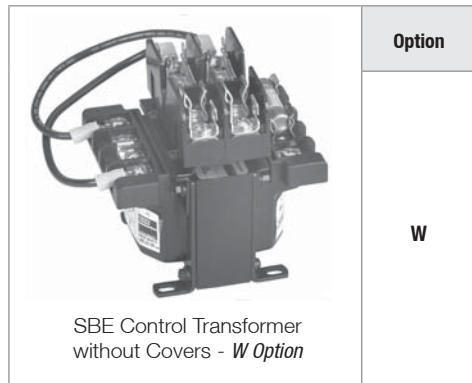
Note: Includes FB2X Secondary fuse holder.

Group 2A – Factory Installed Primary Fuse Holder Class "CC" and:
W – Secondary Fuse Holder (Midget Cartridge, 13/32" x 1½" fuse) supplied, no covers
WA – Secondary Fuse Holder (Glass or Ceramic – Type 3AG, ¼" x 1¼" fuse type)
WB – Secondary Fuse Holder (Midget Cartridge, 13/32" x 1½" fuse)



VA	Primary Fuse Holder Class "CC"			Dimensions						
	W Option – Midget Type Catalog Number	WA Option – Type 3AG w/ Covers Catalog Number	WB Option – Midget Type w/ Covers Catalog Number	Height (inch)	Width (inch)	Depth (inch)	Mtg Width W1 / W2	Mtg Depth D1 / D2	Slot Size (inches) S1 / S2	Approx. Ship Weight lbs (kg)
50	E050W	E050WA	E050WB	4.18	3.01	3.99	2.51 / NA	2.02 / NA	.20 x .33 / .20 x .33	3 (1.36)
75	E075W	E075WA	E0750WB	4.41	3.39	4.36	2.81 / 2.50	2.10 / NA	.20 x .50 / .20 x .50	4 (1.82)
100	E100W	E100WA	E100WB	4.41	3.39	4.61	2.81 / 2.50	2.37 / NA	.20 x .50 / .20 x .50	5 (2.27)
150	E150W	E150WA	E150WB	5.36	4.5	4.48	3.74 / 3.12	2.56 / 2.87	.20 x .65 / .20 x .33	8 (3.64)
200	E200W	E200WA	E200WB	5.36	4.5	4.79	3.74 / 3.12	2.87 / 3.18	.20 x .65 / .20 x .33	10 (4.55)
250	E250W	E250WA	E250WB	5.36	4.5	5.21	3.74 / 3.12	3.29 / 3.61	.20 x .65 / .20 x .33	11 (5.00)
300	E300W	E300WA	E300WB	5.99	5.25	4.66	4.38 / 3.75	3.10 / NA	.31 x .71 / .31 x .71	12 (5.45)
350	E350W	E350WA	E350WB	5.99	5.25	5.07	4.38 / 3.75	3.54 / NA	.31 x .71 / .31 x .71	15 (6.82)
500	E500W	E500WA	E500WB	5.99	5.25	5.75	4.38 / 3.75	4.33 / NA	.31 x .85 / .31 x .85	19 (8.64)
750	E750W	E750WA	E750WB	7.01	6.38	6.93	5.32 / 4.37	4.25 / 5.75	.31 x .85 / .31 x .85	31 (14.09)
1000	E1000W	E1000WA	E1000WB	7.01	6.38	7.36	5.32 / 4.37	4.68 / 6.18	.31 x .85 / .31 x .85	36 (16.36)

Notes: WA and WB suffix include Finger Safe covers. Fuses not included. W option for secondary fusing requires assembly (FB2 sold separately).



Option	Secondary Fusing	
WA	Glass/Ceramic - Type 3AG (FB2)	
WB	Midget Type (FB2X)	