



SECTION 7

LOW VOLTAGE LIGHTING TRANSFORMERS

Single Phase Enclosed

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SINGLE PHASE LOW VOLTAGE TRANSFORMER FEATURES

For a cost effective approach to supply low voltage for recreational, lighting, or light duty industrial applications, consider the 'E' style transformer.

For a general purpose load including actuating relays, bells, control and low voltage circuits, this enclosed transformer is ideal for simplicity and efficiency.

'M' Style Enclosure

50 to 750VA



'E' Style Enclosure

1000 to 3000VA



'L and F' Style Enclosures

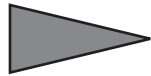
5000 to 10,000VA



FEATURE	50 to 750VA	1000 to 3000VA	5000 to 10,000VA
UL Listed	File: E50394	File: E50394	File: E50394
CSA Certified	File: LR3902	File: LR3902	File: LR3902
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Insulation System	50 to 250VA = 105°C (55°C rise) 500 to 750VA = 130°C (80°C rise)	130°C (80°C rise)	180°C (115°C rise)
Standard Design	Single Phase, all welded core construction with computer designed copper coils	Single Phase, all welded core construction with computer designed copper coils.	Single Phase, all welded core construction with computer designed copper coils.
Enclosure	Rugged Type 1 Enclosure (M style) with one end bell.	Rugged Type 1 Enclosure (E style) - no end bells.	Heavy Duty Encapsulated NEMA 3R
Termination	Separate terminal compartment with 19" leads for lead termination.	Separate terminal compartment with 19" leads for lead termination.	Front accessible compartment with high and low voltage termination leads.
Mounting	Designed for vertical or horizontal mounting.	Designed for vertical or horizontal mounting.	Standard wall mounting.



Selection Tables



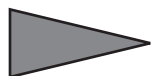
Group 1

Primary Voltage	120/240		CONNECTIONS																	
Secondary Voltage	12/24		<table border="1"> <tr> <th>Primary Volts</th> <th>Supply Lines Connect To</th> <th>Install Jumpers Between Lines</th> </tr> <tr> <td>120</td> <td>H1, H4</td> <td>H1-H3, H2-H4</td> </tr> <tr> <td>240</td> <td>H1, H4</td> <td>H2-H3</td> </tr> <tr> <th>Sec. Volts</th> <th>Load Lines Connect To</th> <th>Install Jumpers Between Lines</th> </tr> <tr> <td>12</td> <td>X1, X4</td> <td>X1-X3, X2-X4</td> </tr> <tr> <td>24</td> <td>X1, X4</td> <td>X2-X3</td> </tr> </table>	Primary Volts	Supply Lines Connect To	Install Jumpers Between Lines	120	H1, H4	H1-H3, H2-H4	240	H1, H4	H2-H3	Sec. Volts	Load Lines Connect To	Install Jumpers Between Lines	12	X1, X4	X1-X3, X2-X4	24	X1, X4
Primary Volts	Supply Lines Connect To	Install Jumpers Between Lines																		
120	H1, H4	H1-H3, H2-H4																		
240	H1, H4	H2-H3																		
Sec. Volts	Load Lines Connect To	Install Jumpers Between Lines																		
12	X1, X4	X1-X3, X2-X4																		
24	X1, X4	X2-X3																		
50/60 Hertz																				

VA Rating	Catalog Number	Mounting Figure	Overall Dimensions			Mounting Centers		Mtg. Slot "G X H"	Shipping Wt/Lbs	
			"A"	"B"	"C"	"D"	"E"			
50	BKE4EA	1	2.50	3.38	4.13	-	3.25	.19 X .56	3.4	
100	BKG4EA	1	2.50	3.38	5.13	-	4.25	.19 X .56	5.0	
150	BKH4EA	1	3.13	4.00	5.63	2.25	4.88	.25 X .50	6.4	
200	BKI4EA	1	3.75	4.88	5.13	2.75	4.53	.25 X .50	9.0	
250	BKJ4EA	1	3.75	4.88	6.13	2.75	5.03	.25 X .50	10.7	
500	BKL4EA	1	3.75	6.63	6.63	2.75	5.53	.25 X .50	13.1	
750	BKM4EA	1	4.38	5.63	8.10	3.25	6.38	.31 X .63	18.3	
1000	BKN4EA	2	5.00	8.82	6.38	4.00	7.32	.38 X .75	24.8	
1500	BKP4EA	2	6.25	11.06	8.13	5.00	9.50	.31 X .63	49.0	
2000	BKQ4EA	2	7.50	11.81	9.56	6.00	10.25	.38 X .75	69.0	
3000	BKS4EA	2	7.50	14.81	9.56	6.00	13.25	.38 X .75	94.0	
5000	BKU4EA	L2	Please refer to page 256 for the L2 Enclosure Dimensional Details							
7500	BKV4EA	L2	Please refer to page 256 for the L2 Enclosure Dimensional Details							
10000	BKW4EA	F4	Please refer to page 256 for the F4 Enclosure Dimensional Details							

B and E dimensions are subject to a 0.13" tolerance.

All dimensions in inches unless otherwise specified.



Group 2

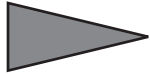
Primary Voltage	120/240		CONNECTIONS																	
Secondary Voltage	16/32		<table border="1"> <tr> <th>Primary Volts</th> <th>Supply Lines Connect To</th> <th>Install Jumpers Between Lines</th> </tr> <tr> <td>120</td> <td>H1, H4</td> <td>H1-H3, H2-H4</td> </tr> <tr> <td>240</td> <td>H1, H4</td> <td>H2-H3</td> </tr> <tr> <th>Sec. Volts</th> <th>Load Lines Connect To</th> <th>Install Jumpers Between Lines</th> </tr> <tr> <td>16</td> <td>X1, X4</td> <td>X1-X3, X2-X4</td> </tr> <tr> <td>32</td> <td>X1, X4</td> <td>X2-X3</td> </tr> </table>	Primary Volts	Supply Lines Connect To	Install Jumpers Between Lines	120	H1, H4	H1-H3, H2-H4	240	H1, H4	H2-H3	Sec. Volts	Load Lines Connect To	Install Jumpers Between Lines	16	X1, X4	X1-X3, X2-X4	32	X1, X4
Primary Volts	Supply Lines Connect To	Install Jumpers Between Lines																		
120	H1, H4	H1-H3, H2-H4																		
240	H1, H4	H2-H3																		
Sec. Volts	Load Lines Connect To	Install Jumpers Between Lines																		
16	X1, X4	X1-X3, X2-X4																		
32	X1, X4	X2-X3																		
50/60 Hertz																				

VA Rating	Catalog Number	Mounting Figure	Overall Dimensions			Mounting Centers		Mtg. Slot "G X H"	Shipping Wt/Lbs	
			"A"	"B"	"C"	"D"	"E"			
50	BKE4FA	1	2.50	3.38	4.13	-	3.25	.19 X .56	3.4	
100	BKG4FA	1	2.50	3.38	5.13	-	4.25	.19 X .56	5.0	
150	BKH4FA	1	3.13	4.00	5.63	2.25	4.88	.25 X .50	6.4	
200	BKI4FA	1	3.75	4.88	5.13	2.75	4.53	.25 X .50	9.0	
250	BKJ4FA	1	3.75	4.88	6.13	2.75	5.03	.25 X .50	10.7	
500	BKL4FA	1	3.75	6.63	6.63	2.75	5.53	.25 X .50	13.1	
750	BKM4FA	1	4.38	5.63	8.10	3.25	6.38	.31 X .63	18.3	
1000	BKN4FA	2	5.00	8.82	6.38	4.00	7.32	.38 X .75	24.8	
1500	BKP4FA	2	6.25	11.06	8.13	5.00	9.50	.31 X .63	49.0	
2000	BKQ4FA	2	7.50	11.81	9.56	6.00	10.25	.38 X .75	69.0	
3000	BKS4FA	2	7.50	14.81	9.56	6.00	13.25	.38 X .75	94.0	
5000	BKU4FA	L2	Please refer to page 256 for the L2 Enclosure Dimensional Details							
7500	BKV4FA	L2	Please refer to page 256 for the L2 Enclosure Dimensional Details							
10000	BKW4FA	F4	Please refer to page 256 for the F4 Enclosure Dimensional Details							

B and E dimensions are subject to a 0.13" tolerance.

All dimensions in inches unless otherwise specified.





Group 3

Primary Voltage	240/480
Secondary Voltage	24/48
50/60 Hertz	

SCHEMATIC		CONNECTIONS	
	Primary Volts	Supply Lines Connect To	Install Jumpers Between Lines
	240 480	H1, H4 H1, H4	H1-H3, H2-H4 H2-H3
	Sec. Volts	Load Lines Connect To	Install Jumpers Between Lines
	24 48	X1, X4 X1, X4	X1-X3, X2-X4 X2-X3

VA Rating	Catalog Number	Mounting Figure	Overall Dimensions			Mounting Centers		Mtg. Slot "G X H"	Shipping Wt/Lbs	
			"A"	"B"	"C"	"D"	"E"			
50	BKE6GS	1	2.50	3.38	4.13	-	3.25	.19 X .56	3.4	
100	BKG6GS	1	2.50	3.38	5.13	-	4.25	.19 X .56	5.0	
150	BKH6GS	1	3.13	4.00	5.63	2.25	4.88	.25 X .50	6.4	
200	BKI6GS	1	3.75	4.88	5.13	2.75	4.53	.25 X .50	9.0	
250	BKJ6GS	1	3.75	4.88	6.13	2.75	5.03	.25 X .50	10.7	
500	BKL6GS	1	3.75	6.63	6.63	2.75	5.53	.25 X .50	13.1	
750	BKM6GS	1	4.38	5.63	8.10	3.25	6.38	.31 X .63	18.3	
1000	BKN6GS	2	5.00	8.82	6.38	4.00	7.32	.38 X .75	24.8	
1500	BKP6GS	2	6.25	11.06	8.13	5.00	9.50	.31 X .63	49.0	
2000	BKQ6GS	2	7.50	11.81	9.56	6.00	10.25	.38 X .75	69.0	
3000	BKS6GS	2	7.50	14.81	9.56	6.00	13.25	.38 X .75	94.0	
5000	BKU6GS	L2	Please refer to page 256 for the L2 Enclosure Dimensional Details							
7500	BKV6GS	L2	Please refer to page 256 for the L2 Enclosure Dimensional Details							
10000	BKW6GS	F4	Please refer to page 256 for the F4 Enclosure Dimensional Details							

B and E dimensions are subject to a 0.13" tolerance.

All dimensions in inches unless otherwise specified.

Figure 1

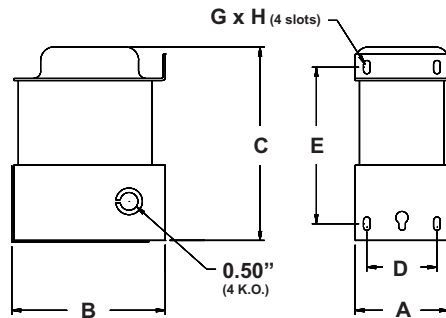


Figure 2

