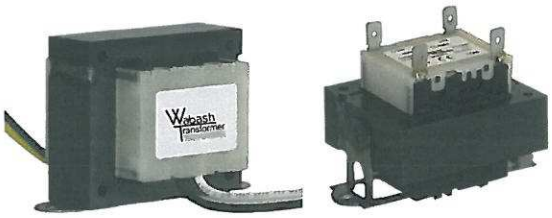
Class 2 UL5085-3 Transformer
5VA - 30VA, Inherently Energy Limited
Series: CL - Lead Wires & Quick-Connects

- **Power Rating 5VA to 30VA with Lead wires**
- **Power Rating 10VA to 30VA with Quick-Connect Terminals**
- **No Secondary Fusing Required**
- **Frequency 50/60Hz**
- **Insulation Class F (155°C)**
  Class B (130°C) Insulation available



Agency Approvals:

- **UL/cUL 5085-3 Class 2 Recognized**
  (UL File E49606 & ETL Report 100920584CHI-001)
- **Insulation File No. E95662**

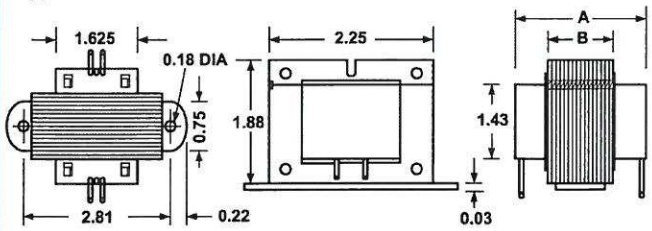
Class 2

** Multi voltage combinations are available - consult factory.*

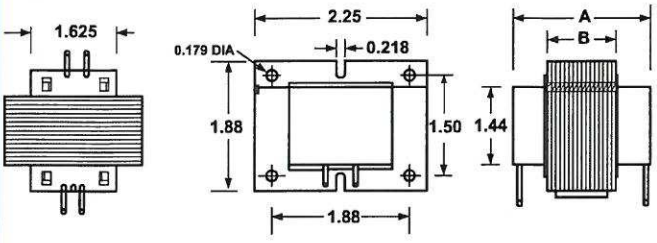
Lead Wires

Type HX Foot Mount - Steel bracket welded to the bottom of the laminations for easy mounting
Type GX Panel Mount - 0.179" (4.55 mm) diameter holes in each corner to allow direct mounting to a panel.
Lead Wires: All leads are 18 AWG stranded 2/64" (0.794 mm) insulation thickness. Standard parts have 12" (305 mm) total length with 1/2" (12.7 mm) strip.

Type HX - Foot Mount



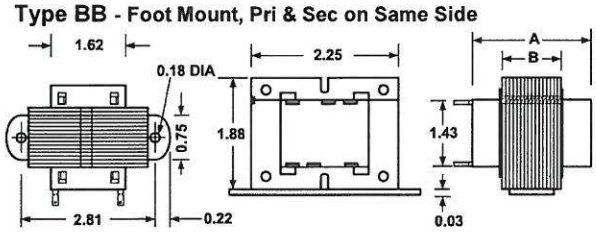
Type GX - Panel Mount



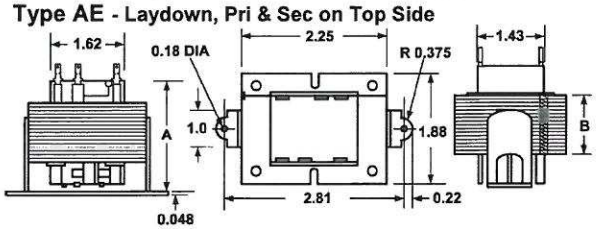
Quick-Connects

Type BB Foot Mount, Pri & Sec on Same Side - Quick connect terminals with line and load terminations on the same side of transformer.
Type AE Laydown, Pri & Sec on Top Side - Quick connect terminals with line and load terminations on the top of transformer.
Type AB Foot Mount, Pri & Sec on Opposite Side - Quick connect terminals with line and load terminations on opposite sides of transformer
Terminals:
Standard male quick connects - 0.250" x 0.032" (6.35 x 0.81 mm)
Other available quick connects - 0.187" x 0.032" (4.75 x 0.81 mm)

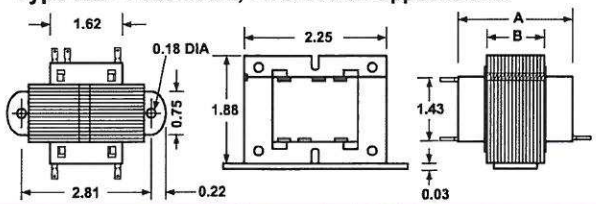
Type BB - Foot Mount, Pri & Sec on Same Side



Type AE - Laydown, Pri & Sec on Top Side



Type AB - Foot Mount, Pri & Sec on Opposite Side



Dimensions (Inches)	5VA	10VA	15VA	20VA	30VA
A	1.660	1.660	1.760	1.790	2.160
B	0.500	0.500	0.625	0.625	1.000
Weight (Lbs)	0.710	0.740	0.889	0.968	1.260

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Partial Selection Guide

Primary Voltage	Secondary Voltage	5 VA Size - 3/4" X 1/2"	Class 2**	10 VA Size - 3/4" X 1/2"	Class 2**	15VA Size - 3/4" X 1/2"	Class 2**	20 VA Size - 3/4" X 5/8"	Class 2**	30 VA Size - 3/4" X 1.0"	Class 2**
208/230	24V	–	-	CL10A00-000*	✓	CL15B00-000*	✓	CL20C00-000*	✓	CL30M00-000*	✓
	24Vct	CL05X00-0CT*	✓	CL10A00-0CT*	✓	CL15B00-0CT*	✓	CL20C00-0CT*	✓	–	-
120	24	CL05X01-000*	✓	CL10A01-000*	✓	CL15B01-000*	✓	CL20C01-000*	✓	CL30M01-000*	✓
	24Vct	CL05X01-0CT*	✓	CL10A01-0CT*	✓	CL15B01-0CT*	✓	CL20C01-0CT*	✓	–	-
	12	CL05X11-000*	✓	CL10A11-000*	✓	CL15B11-000*	✓	CL20C11-000*	✓	–	-
277	24	CL05X02-000*	✓	CL10A02-000*	✓	CL15B02-000*	✓	CL20C02-000*	✓	CL30M02-000*	✓
	24Vct	CL05X02-0CT*	✓	CL10A02-0CT*	✓	CL15B02-0CT*	✓	CL20C02-0CT*	✓	–	-
120/208/240	24	CL05X03-000*	✓	CL10A03-000*	✓	CL15B03-000*	✓	CL20C03-000*	✓	CL30M03-000*	✓
	24Vct	CL05X03-0CT*	✓	CL10A03-0CT*	✓	CL15B03-0CT*	✓	CL20C03-0CT*	✓	–	-
480	24	CL05X04-000*	-	CL10A04-000*	✓	CL15B04-000*	✓	CL20C04-000*	✓	CL30M04-000*	✓
	24Vct	–	-	CL10A04-0CT*	✓	CL15B04-0CT	✓	CL20C04-0CT*	✓	–	-
600	24	CL05X06-000*	✓	CL10A06-000*	✓	CL15B06-000*	✓	CL20C06-000*	✓	CL30M06-000*	✓
	24Vct	CL05X06-0CT*	✓	CL10A06-0CT*	✓	CL15B06-0CT*	✓	CL20C06-0CT*	✓	–	-
120/240	24	CL05X07-000*	✓	CL10A07-000*	✓	CL15B07-000*	✓	CL20C07-000*	✓	CL30M07-000*	✓
	24Vct	CL05X07-0CT*	✓	CL10A07-0CT*	✓	CL15B07-0CT*	✓	CL20C07-0CT*	✓	–	-
380	24	CL05X09-000*	-	CL10A09-000*	✓	–	-	CL20C09-000*	✓	CL30M09-000*	✓
	24Vct	–	-	CL10A09-0CT*	✓	–	-	CL20C09-0CT*	✓	–	-
240	24	CL05X40-000*	✓	CL10A40-000*	✓	CL15B40-000*	✓	CL20C40-000*	✓	CL30M40-000*	✓
	24Vct	CL05X40-0CT*	✓	CL10A40-OCT*	✓	CL15B40-0CT*	✓	CL20C40-0CT*	✓	–	-
	12	CL05X10-000*	✓	CL10A10-000*	✓	CL15B10-000*	✓	CL20C10-000*	✓	–	-
208/240	24	CL05X15-000*	✓	CL10A15-000*	✓	CL15B15-000*	✓	CL20C15-000*	✓	CL30M15-000*	✓
	24Vct	CL05X15-0CT*	✓	CL10A15-0CT*	✓	CL15B15-0CT*	✓	CL20C15-0CT*	✓	–	-
	12	CL05X50-000*	✓	CL10A50-000*	✓	CL15B50-000*	✓	CL20C50-000*	✓	–	-
415	24	CL05X16-000*	-	CL10A16-000*	✓	–	-	CL20C16-000*	✓	CL30M16-000*	✓
	24Vct	–	-	CL10A16-0CT*	✓	–	-	CL20C16-0CT*	✓	–	-
380/415	24	CL05X17-000*	-	CL10A17-000*	✓	–	-	CL20C17-000*	✓	CL30M17-000*	✓
	24Vct	–	-	CL10A17-0CT*	✓	–	-	CL20C17-0CT*	✓	–	-
575	24	CL05X21-000*	✓	CL10A21-000*	✓	CL15B21-000*	✓	CL20C21-000*	✓	CL30M21-000*	✓
	24Vct	CL05X21-0CT*	✓	CL10A21-0CT*	✓	CL15B21-0CT*	✓	CL20C21-0CT*	✓	–	-
215/230	24	–	-	CL10A22-000*	✓	–	-	CL20C22-000*	✓	CL30M22-000*	✓
	24Vct	–	-	CL10A22-0CT*	✓	–	-	CL20C22-0CT*	✓	–	-
208/240/277	24	CL05X23-000*	✓	CL10A23-000*	-	–	-	CL20C23-000*	-	CL30M23-000*	-
	24Vct	CL05X23-0CT*	✓	–	-	–	-	–	-	–	-
240/480	24	CL05X24-000*	-	CL10A24-000*	✓	–	-	CL20C24-000*	✓	CL30M24-000*	✓
	24Vct	–	-	CL10A24-0CT*	✓	–	-	CL20C24-0CT*	✓	–	-
380/415/575	24	CL05X27-000*	-	CL10A27-000*	✓	–	-	CL20C27-000*	✓	CL30M27-000*	✓
	24Vct	–	-	CL10A27-0CT*	✓	–	-	CL20C27-0CT*	✓	–	-
460	24	CL05X28-000*	-	CL10A28-000*	✓	–	-	CL20C28-000*	✓	CL30M28-000*	✓
	24Vct	–	-	CL10A28-0CT*	✓	–	-	CL20C28-0CT*	✓	–	-

* Refer to page number 7. Must complete part number to specify voltages, termination, mounting & fusing.
For custom designs 3 digit customer ID will be added at the end of the part number.
** Per UL Standard 5085-3

Continued...

Lead Wire Details:

Primary Voltage	COM	110,115,120	200,208,215	220, 230, 240	265, 277	380	400, 415	460, 480	575	600
Color	Black	White	Red	Orange	Brown	Violet	Red/White	Black/Red	Gray	Black/White
Secondary Voltage	COM	12	24	Standard leads: All leads are 12.0" L.O.C (length out of coil) 1/2" strip						
Color	Yellow	Yellow/White	Blue							

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480/575	24	—	-	CL10A30-000*	✓	—	-	—	-	—	-
	24Vct	—	-	CL10A30-0CT*	✓	—	-	—	-	—	-
200/230	24	CL05X31-000*	✓	CL10A31-000*	✓	CL15B31-000*	✓	CL20C31-000*	✓	CL30M31-000*	✓
	24Vct	CL05X31-0CT*	✓	CL10A31-0CT*	✓	CL15B31-0CT*	✓	CL20C31-0CT*	✓	—	-
120/208/240/277	24	CL05X36-000*	✓	CL10A36-000*	✓	—	-	CL20C36-000*	✓	CL30M36-000*	✓
	24Vct	CL05X36-0CT*	✓	CL10A36-0CT*	✓	—	-	CL20C36-0CT*	✓	—	-
120/277	24	CL05X41-000*	✓	CL10A41-000*	✓	CL15B41-000*	✓	CL20C41-000*	✓	CL30M41-000*	✓
	24Vct	CL05X41-0CT*	✓	CL10A41-0CT*	✓	CL15B41-0CT*	✓	CL20C41-0CT*	✓	—	-
208/277/480	24	CL05X42-000*	-	CL10A42-000*	✓	—	-	CL20C42-000*	✓	CL30M42-000*	✓
	24Vct	—	-	CL10A42-0CT*	✓	—	-	CL20C42-0CT*	✓	—	-
277/380/415	24	CL05X43-000*	-	CL10A43-000*	✓	—	-	CL20C43-000*	✓	CL30M43-000*	✓
	24Vct	—	-	CL10A43-0CT*	✓	—	-	CL20C43-0CT*	✓	—	-
208/240/480	24	CL05X44-000*	-	CL10A44-000*	✓	CL15B44-000*	✓	CL20C44-000*	✓	CL30M44-000*	✓
	24Vct	—	-	CL10A44-0CT*	✓	CL15B44-0CT*	✓	CL20C44-0CT*	✓	—	-
208	24	CL05X45-000*	✓	CL10A45-000*	✓	CL15B45-000*	✓	CL20C45-000*	✓	CL30M45-000*	✓
	24Vct	CL05X45-0CT*	✓	CL10A45-0CT*	✓	CL15B45-0CT*	✓	CL20C45-0CT*	✓	—	-
220/240	24	—	-	CL10A47-000*	✓	—	-	—	-	—	-
	24Vct	—	-	CL10A47-0CT*	✓	—	-	—	-	—	-
100	24	CL05X48-000*	✓	CL10A48-000*	✓	CL15B48-000*	✓	CL20C48-000*	✓	CL30M48-000*	✓
	24Vct	CL05X48-0CT*	✓	CL10A48-0CT*	✓	CL15B48-0CT*	✓	CL20C48-0CT*	✓	—	-
220	24	CL05X49-000*	✓	CL10A49-000*	✓	CL15B49-000*	✓	CL20C49-000*	✓	CL30M49-000*	✓
	24Vct	CL05X49-0CT*	✓	CL10A49-0CT*	✓	CL15B49-0CT*	✓	CL20C49-0CT*	✓	—	-
115	24	CL05X51-000*	✓	CL10A51-000*	✓	CL15B51-000*	✓	CL20C51-000*	✓	CL30M51-000*	✓
	24Vct	CL05X51-0CT*	✓	CL10A51-0CT*	✓	CL15B51-0CT*	✓	CL20C51-0CT*	✓	—	-
265	24	CL05X52-000*	✓	CL10A52-000*	✓	CL15B52-000*	✓	CL20C52-000*	✓	CL30M52-000*	✓
	24Vct	CL05X52-0CT*	✓	CL10A52-0CT*	✓	CL15B52-0CT*	✓	CL20C52-0CT*	✓	—	-
346	24	CL05X53-000*	-	CL10A53-000*	✓	CL15B53-000*	✓	CL20C53-000*	✓	CL30M53-000*	✓
	24Vct	—	-	CL10A53-0CT*	✓	CL15B53-0CT*	✓	CL20C53-0CT*	✓	—	-
208/230/460	24	CL05X54-000*	-	CL10A54-000*	✓	CL15B54-000*	✓	CL20C54-000*	-	CL30M54-000*	✓
	24Vct	—	-	CL10A54-0CT*	✓	CL15B54-0CT*	✓	—	-	—	-
400	24	CL05X55-000*	-	—	-	—	-	—	-	—	-
	24Vct	—	-	—	-	—	-	—	-	—	-
575/600	24	CL05X56-000*	✓	CL10A56-000*	-	—	-	CL20C56-000*	-	CL30M56-000*	-
	24Vct	CL05X56-0CT*	✓	—	-	—	-	—	-	—	-
230/460	24	CL05X59-000*	-	CL10A59-000*	✓	—	-	CL20C59-000*	✓	CL30M59-000*	✓
	24Vct	—	-	CL10A59-0CT*	✓	—	-	CL20C59-0CT*	✓	—	-
380/460	24	—	-	CL10A60-000*	✓	—	-	—	-	—	-
	24Vct	—	-	CL10A60-0CT*	✓	—	-	—	-	—	-
208/240	24	—	-	—	-	CL15B15-000*	✓	—	-	CL30M15-000*	✓
	24Vct	—	-	—	-	CL15B15-0CT*	✓	—	-	—	-
115/230	24	CL05X62-000*	✓	CL10A62-000*	✓	—	-	CL20C62-000*	✓	CL30M62-000*	✓
	24Vct	CL05X62-0CT*	✓	CL10A62-0CT*	✓	—	-	CL20C62-0CT*	✓	—	-
230	24	CL05X63-000*	✓	CL10A63-000*	✓	CL15B63-000*	✓	CL20C63-000*	✓	CL30M63-000*	✓
	24Vct	CL05X63-0CT*	✓	CL10A63-0CT*	✓	CL15B63-0CT*	✓	CL20C63-0CT*	✓	—	-
240/277/480	24	CL05X64-000*	-	CL10A64-000*	✓	—	-	CL20C64-000*	✓	CL30M64-000*	✓
	24Vct	—	-	CL10A64-0CT*	✓	—	-	CL20C64-0CT*	✓	—	-

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Color	Yellow	Yellow/White	Blue							

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