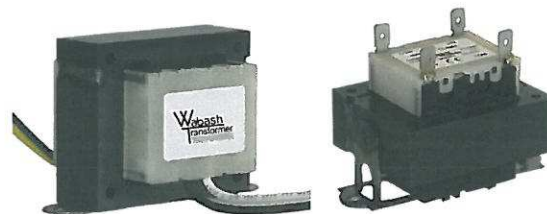


## Class 2 UL5085-3 Transformer

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

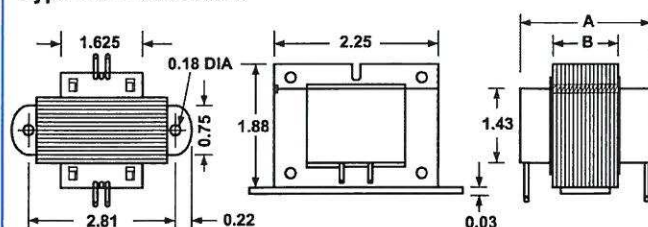
Class 2 



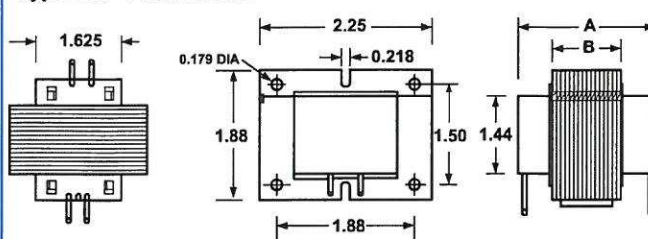
### Lead Wires

**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



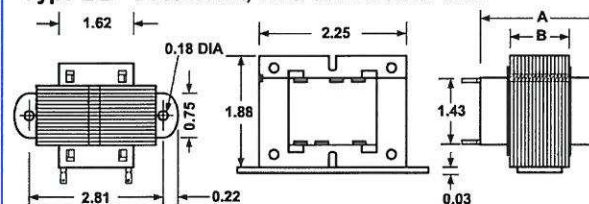
### Quick-Connects

**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

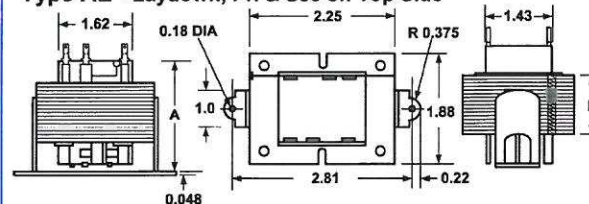
#### Terminals:

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)

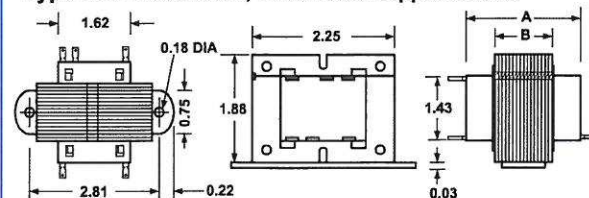
#### Type BB - Foot Mount, Pri & Sec on Same Side



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

**Class 2** 



**Partial Selection Guide**

| Primary Voltage | Secondary Voltage | 5 VA               |           | 10 VA              |           | 15VA               |           | 20 VA              |           | 30 VA              |           |
|-----------------|-------------------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|
|                 |                   | Size - 3/4" X 1/2" | Class 2** | Size - 3/4" X 1/2" | Class 2** | Size - 3/4" X 1/2" | Class 2** | Size - 3/4" X 5/8" | Class 2** | 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*       | ✓         | CL10A40-0CT*       | ✓         | 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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**Class 2 UL5085-3 Transformer**  
**5VA - 30VA, Inherently Energy Limited**  
**Series: CL - Lead Wires & Quick-Connects**

**Class 2** 



**Partial Selection Guide (Continued)**

| Primary Voltage | Secondary Voltage | 5 VA<br>Size - 3/4" X 1/2" | Class 2** | 10 VA<br>Size - 3/4" X 1/2" | Class 2** | 15VA<br>Size - 3/4" X 1/2" | Class 2** | 20 VA<br>Size - 3/4" X 5/8" | Class 2** | 30 VA<br>Size - 3/4" X 1.0" | Class 2** |
|-----------------|-------------------|----------------------------|-----------|-----------------------------|-----------|----------------------------|-----------|-----------------------------|-----------|-----------------------------|-----------|
| 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*                | ✓         | —                           | -         |

\* 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

**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          |                                                                           |          |        |           |           |      |             |

**Any application, Any requirement, Contact us for our Custom Designs**



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