




# LAMINATED TRANSFORMERS



## Type EI30 / 5 - 0.5VA










**AGENCY APPROVALS** 

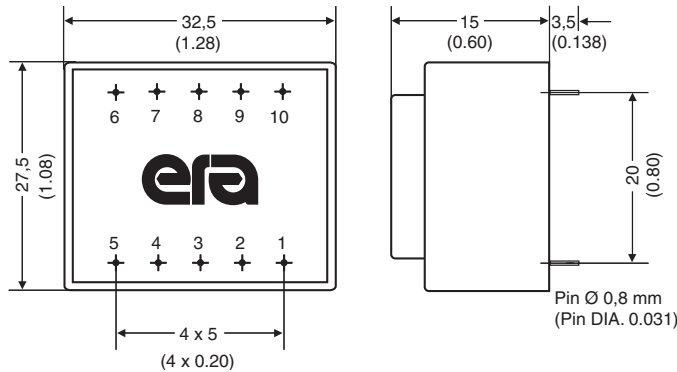
1. UL 506, File E113449  **Class 2/3**

2. UL 1585, File E175197  **Class 2/3**

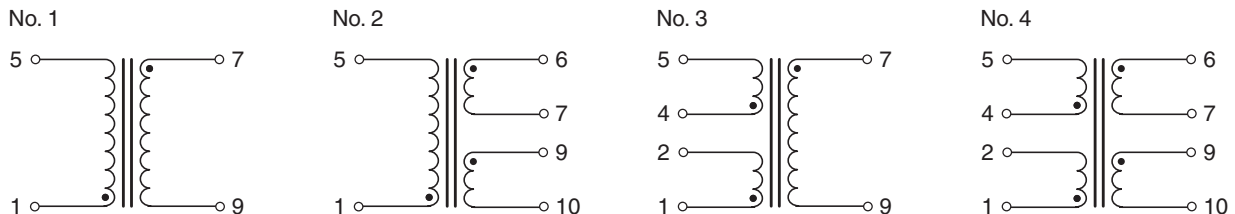
3. EN61558  

-  Frequency 50/60Hz
-  Potted under vacuum
-  Split-bobbin
-  Temperature class ta 70°C/B
-  Short-circuit-proof (where noted: 1/2/3\* under Agency Approvals)
-  Weight: 0.06kg
-  Packaging unit: 25 pieces (tube)

### Mechanical



### Schematics




Primary (V)	Secondary (V / mA)	No-Load Voltage (V)	Schematic No.	Part Number	Agency Approvals
230	6 / 83	10.40	1	030-7196.0	1/2/3*
230	9 / 55	15.60	1	030-7197.0	1/2/3*
230	12 / 42	20.80	1	030-7198.0	1/2/3*
230	15 / 33	25.40	1	030-7199.0	1/2/3*
230	18 / 28	29.50	1	030-7200.0	1/2/3*
230	24 / 20	38.10	1	030-7201.0	1/2/3*
230	2x6 / 42	2x10.60	2	030-7202.0	1/2/3*
230	2x9 / 28	2x15.50	2	030-7203.0	1/2/3*
230	2x12 / 20	2x19.70	2	030-7204.0	1/2/3*
230	2x15 / 16	2x24.80	2	030-7205.0	1/2/3*
230	2x18 / 13	2x29.80	2	030-7206.0	1
230	2x24 / 10	2x39.10	2	030-7207.0	1
115	6 / 83	10.40	1	030-7184.0	1/2/3*
115	9 / 55	15.60	1	030-7185.0	1/2/3*
115	12 / 42	20.80	1	030-7186.0	1/2/3*
115	15 / 33	25.40	1	030-7187.0	1/2/3*
115	18 / 28	29.50	1	030-7188.0	1/2/3*
115	24 / 20	38.10	1	030-7189.0	1/2/3*
115	2x6 / 42	2x10.60	2	030-7190.0	1/2/3*
115	2x9 / 28	2x15.50	2	030-7191.0	1/2/3*
115	2x12 / 20	2x19.70	2	030-7192.0	1/2/3*
115	2x15 / 16	2x24.80	2	030-7193.0	1/2/3*
115	2x18 / 13	2x29.80	2	030-7194.0	1
115	2x24 / 10	2x39.10	2	030-7195.0	1
2x115	6 / 83	10.40	3	030-5325.0	1/2/3*
2x115	9 / 55	15.60	3	030-5328.0	1/2/3*
2x115	12 / 42	20.80	3	030-5331.0	1/2/3*
2x115	15 / 33	25.40	3	030-5334.0	1/2/3*
2x115	18 / 28	29.50	3	030-5337.0	1/2/3*
2x115	24 / 20	38.10	3	030-5343.0	1/2/3*
2x115	2x6 / 42	2x10.60	4	030-5348.0	1/2/3*
2x115	2x9 / 28	2x15.50	4	030-5351.0	1/2/3*
2x115	2x12 / 20	2x19.70	4	030-5354.0	1/2/3*
2x115	2x15 / 16	2x24.80	4	030-5357.0	1/2/3*
2x115	2x18 / 13	2x29.80	4	030-5360.0	1
2x115	2x24 / 10	2x39.10	4	030-5366.0	1


**\*NOTE:** When checking the approval status of this product with VDE, add the prefix "BV" and the suffix "P" to the orderable Part Number (these letters will also be found on the part label). **The prefix and suffix are not part of the orderable Part Number.**


# LAMINATED TRANSFORMERS



## Type EI30 / 10.5 - 1.0VA










**AGENCY APPROVALS** 

1. UL 506, File E113449  **us**

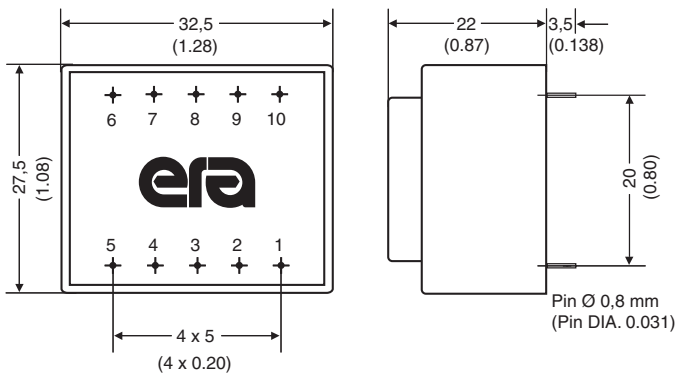
2. UL 1585, File E175197  **Class 2/3**

3. EN61558  

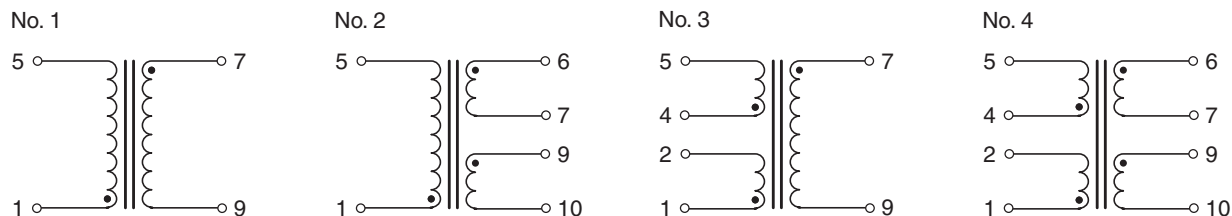
-  Frequency 50/60Hz
-  Potted under vacuum
-  Split-bobbin
-  Temperature class ta 70°C/B
-  Short-circuit-proof (where noted: 1/2/3\* under Agency Approvals)
-  Weight: 0.07kg
-  Packaging unit: 35 pieces (tray)  
25 pieces (tube)

Primary (V)	Secondary (V / mA)	No-Load Voltage (V)	Schematic No.	Part Number	Agency Approvals
230	6 / 166	8.50	1	030-7232.0	1/2/3*
230	9 / 111	12.45	1	030-7233.0	1/2/3*
230	12 / 84	16.30	1	030-7234.0	1/2/3*
230	15 / 66	20.20	1	030-7235.0	1/2/3*
230	18 / 55	24.20	1	030-7236.0	1/2/3*
230	24 / 42	32.20	1	030-7237.0	1/2/3*
230	2x6 / 84	2x8.30	2	030-7238.0	1/2/3*
230	2x9 / 55	2x11.90	2	030-7239.0	1/2/3*
230	2x12 / 42	2x16.20	2	030-7240.0	1/2/3*
230	2x15 / 33	2x20.40	2	030-7241.0	1/2/3*
230	2x18 / 28	2x24.20	2	030-7242.0	1
230	2x24 / 21	2x32.10	2	030-7243.0	1
115	6 / 166	8.50	1	030-7220.0	1/2/3*
115	9 / 111	12.45	1	030-7221.0	1/2/3*
115	12 / 84	16.30	1	030-7222.0	1/2/3*
115	15 / 66	20.20	1	030-7223.0	1/2/3*
115	18 / 55	24.20	1	030-7224.0	1/2/3*
115	24 / 42	32.20	1	030-7225.0	1/2/3*
115	2x6 / 84	2x8.30	2	030-7226.0	1/2/3*
115	2x9 / 55	2x11.90	2	030-7227.0	1/2/3*
115	2x12 / 42	2x16.20	2	030-7228.0	1/2/3*
115	2x15 / 33	2x20.40	2	030-7229.0	1/2/3*
115	2x18 / 28	2x24.20	2	030-7230.0	1
115	2x24 / 21	2x32.10	2	030-7231.0	1
2x115	6 / 166	8.50	3	030-5693.0	1/2/3*
2x115	9 / 111	12.45	3	030-5696.0	1/2/3*
2x115	12 / 84	16.30	3	030-5699.0	1/2/3*
2x115	15 / 66	20.20	3	030-5702.0	1/2/3*
2x115	18 / 55	24.20	3	030-5705.0	1/2/3*
2x115	24 / 42	32.20	3	030-5711.0	1/2/3*
2x115	2x6 / 84	2x8.30	4	030-5716.0	1/2/3*
2x115	2x9 / 55	2x11.90	4	030-5719.0	1/2/3*
2x115	2x12 / 42	2x16.20	4	030-5722.0	1/2/3*
2x115	2x15 / 33	2x20.40	4	030-5725.0	1/2/3*
2x115	2x18 / 28	2x24.20	4	030-5728.0	1
2x115	2x24 / 21	2x32.10	4	030-5734.0	1

### Mechanical



### Schematics





**\*NOTE:** When checking the approval status of this product with VDE, add the prefix "BV" and the suffix "R" to the orderable Part Number (these letters will also be found on the part label). **The prefix and suffix are not part of the orderable Part Number.**


# LAMINATED TRANSFORMERS



## Type EI30 / 12.5 - 1.2VA










**AGENCY APPROVALS** 

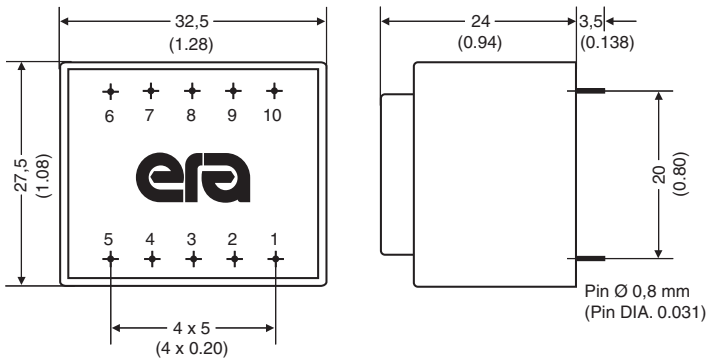
1. UL 506, File E113449 

2. UL 1585, File E175197 [Class 2/3] 

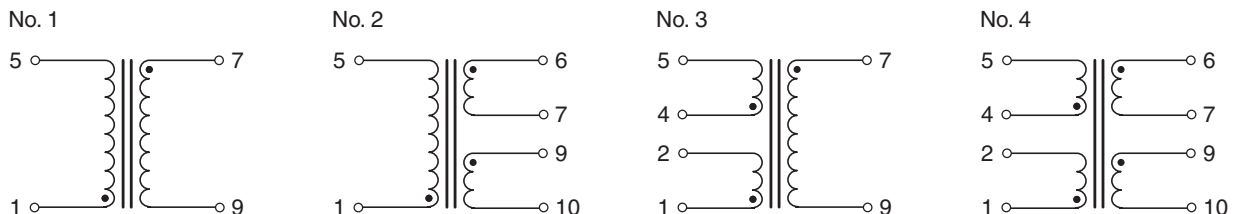
3. EN61558  

-  Frequency 50/60Hz
-  Potted under vacuum
-  Split-bobbin
-  Temperature class  $t_a$  70°C/B
-  Short-circuit-proof (where noted: 1/2/3\* under Agency Approvals)
-  Weight: 0.08kg
-  Packaging unit: 25 pieces (tube)

### Mechanical



### Schematics




Primary (V)	Secondary (V / mA)	No-Load Voltage (V)	Schematic No.	Part Number	Agency Approvals
230	6 / 200	8.70	1	030-7268.0	1/2/3*
230	9 / 133	12.30	1	030-7269.0	1/2/3*
230	12 / 100	16.60	1	030-7270.0	1/2/3*
230	15 / 80	21.20	1	030-7271.0	1/2/3*
230	18 / 66	27.80	1	030-7272.0	1/2/3*
230	24 / 50	34.50	1	030-7273.0	1/2/3*
230	2x6 / 100	2x8.70	2	030-7274.0	1/2/3*
230	2x9 / 66	2x12.30	2	030-7275.0	1/2/3*
230	2x12 / 50	2x16.60	2	030-7276.0	1/2/3*
230	2x15 / 40	2x20.60	2	030-7277.0	1/2/3*
230	2x18 / 33	2x25.80	2	030-7278.0	1
230	2x24 / 25	2x32.90	2	030-7279.0	1
115	6 / 200	8.70	1	030-7256.0	1/2/3*
115	9 / 133	12.30	1	030-7257.0	1/2/3*
115	12 / 100	16.60	1	030-7258.0	1/2/3*
115	15 / 80	21.20	1	030-7259.0	1/2/3*
115	18 / 66	27.80	1	030-7260.0	1/2/3*
115	24 / 50	34.50	1	030-7261.0	1/2/3*
115	2x6 / 100	2x8.70	2	030-7262.0	1/2/3*
115	2x9 / 66	2x12.30	2	030-7263.0	1/2/3*
115	2x12 / 50	2x16.60	2	030-7264.0	1/2/3*
115	2x15 / 40	2x20.60	2	030-7265.0	1/2/3*
115	2x18 / 33	2x25.80	2	030-7266.0	1
115	2x24 / 25	2x32.90	2	030-7267.0	1
2x115	6 / 200	8.95	3	030-6061.0	1/2/3*
2x115	9 / 133	12.90	3	030-6064.0	1/2/3*
2x115	12 / 100	16.70	3	030-6067.0	1/2/3*
2x115	15 / 80	24.70	3	030-6070.0	1/2/3*
2x115	18 / 66	29.50	3	030-6073.0	1/2/3*
2x115	24 / 50	35.80	3	030-6079.0	1/2/3*
2x115	2x6 / 100	2x9.15	4	030-6084.0	1/2/3*
2x115	2x9 / 66	2x13.70	4	030-6087.0	1/2/3*
2x115	2x12 / 50	2x17.30	4	030-6090.0	1/2/3*
2x115	2x15 / 40	2x24.70	4	030-6093.0	1/2/3*
2x115	2x18 / 33	2x29.40	4	030-6096.0	1
2x115	2x24 / 25	2x35.80	4	030-6102.0	1

\*NOTE: When checking the approval status of this product with VDE, add the prefix "BV" and the suffix "V" to the orderable Part Number (these letters will also be found on the part label). The prefix and suffix are not part of the orderable Part Number.


# LAMINATED TRANSFORMERS



## Type EI30 / 12.5 - 1.5VA










**AGENCY APPROVALS** 

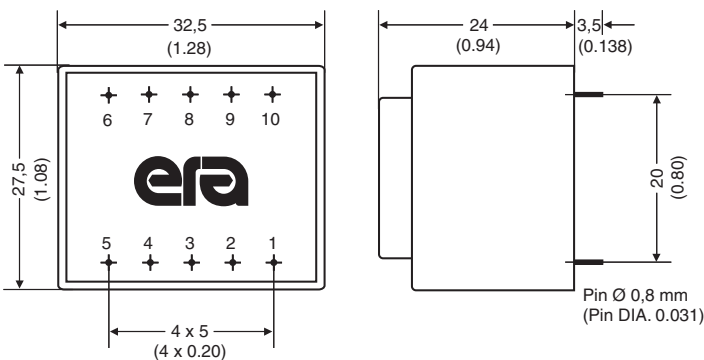
1. UL 506, File E113449 

2. UL 1585, File E175197  Class 2/3

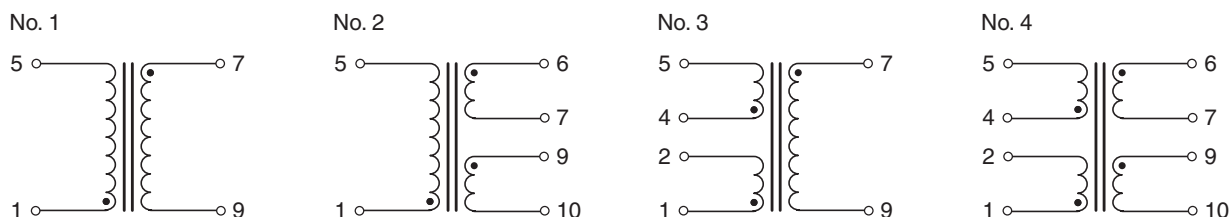
3. EN61558  

-  Frequency 50/60Hz
-  Potted under vacuum
-  Split-bobbin
-  Temperature class ta 70°C/B
-  Short-circuit-proof (where noted: 1/2/3\* under Agency Approvals)
-  Weight: 0.08kg
-  Packaging unit: 25 pieces (tube)

### Mechanical



### Schematics



Primary (V)	Secondary (V / mA)	No-Load Voltage (V)	Schematic No.	Part Number	Agency Approvals
230	6 / 250	8.95	1	030-7161.0	1/2/3*
230	9 / 166	12.90	1	030-7162.0	1/2/3*
230	12 / 125	16.70	1	030-7139.0	1/2/3*
230	15 / 100	24.70	1	030-7163.0	1/2/3*
230	18 / 83	29.50	1	030-7164.0	1/2/3*
230	24 / 62	35.80	1	030-7165.0	1/2/3*
230	2x6 / 125	2x9.15	2	030-7166.0	1/2/3*
230	2x9 / 83	2x13.70	2	030-7167.0	1/2/3*
230	2x12 / 62	2x17.30	2	030-7168.0	1/2/3*
230	2x15 / 50	2x24.70	2	030-7169.0	1/2/3*
230	2x18 / 41	2x29.40	2	030-7170.0	1
230	2x24 / 31	2x35.80	2	030-7171.0	1
115	6 / 250	8.95	1	030-7150.0	1/2/3*
115	9 / 166	12.90	1	030-7151.0	1/2/3*
115	12 / 125	16.70	1	030-7136.0	1/2/3*
115	15 / 100	24.70	1	030-7152.0	1/2/3*
115	18 / 83	29.50	1	030-7153.0	1/2/3*
115	24 / 62	35.80	1	030-7154.0	1/2/3*
115	2x6 / 125	2x9.15	2	030-7155.0	1/2/3*
115	2x9 / 83	2x13.70	2	030-7156.0	1/2/3*
115	2x12 / 62	2x17.30	2	030-7157.0	1/2/3*
115	2x15 / 50	2x24.70	2	030-7158.0	1/2/3*
115	2x18 / 41	2x29.40	2	030-7159.0	1
115	2x24 / 31	2x35.80	2	030-7160.0	1
2x115	6 / 250	8.95	3	030-7711.0	1/2/3*
2x115	9 / 166	12.90	3	030-7712.0	1/2/3*
2x115	12 / 125	16.70	3	030-7713.0	1/2/3*
2x115	15 / 100	24.70	3	030-7714.0	1/2/3*
2x115	18 / 83	29.50	3	030-7715.0	1/2/3*
2x115	24 / 62	35.80	3	030-7716.0	1/2/3*
2x115	2x6 / 125	2x9.15	4	030-7717.0	1/2/3*
2x115	2x9 / 83	2x13.70	4	030-7718.0	1/2/3*
2x115	2x12 / 62	2x17.30	4	030-7719.0	1/2/3*
2x115	2x15 / 50	2x24.70	4	030-7720.0	1/2/3*
2x115	2x18 / 41	2x29.40	4	030-7721.0	1
2x115	2x24 / 31	2x35.80	4	030-7722.0	1

\*NOTE: When checking the approval status of this product with VDE, add the prefix "BV" and the suffix "N" to the orderable Part Number (these letters will also be found on the part label). The prefix and suffix are not part of the orderable Part Number.

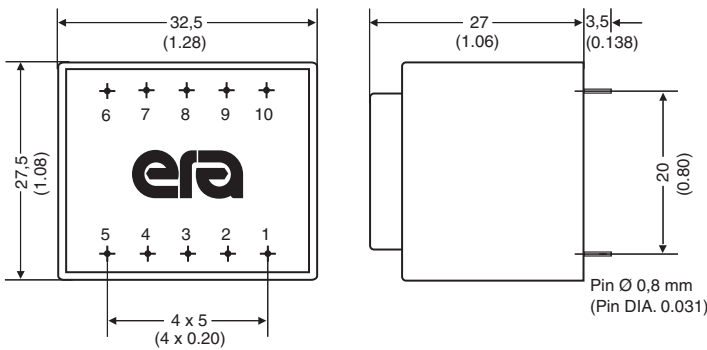
# LAMINATED TRANSFORMERS

## Type EI30 / 15.5 - 2.0VA

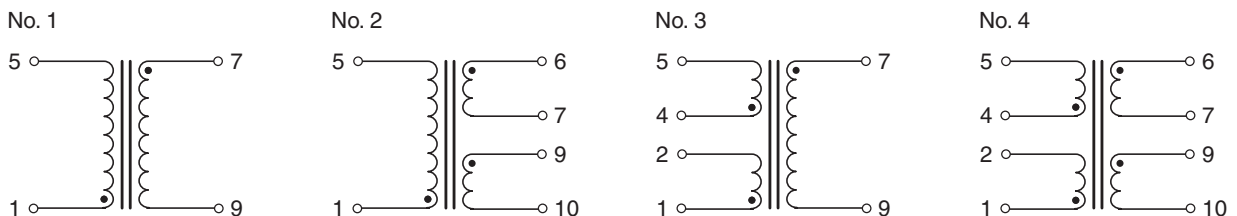


- ⦿ Frequency 50/60Hz
- ⦿ Potted under vacuum
- ⦿ Split-bobbin
- ⦿ Temperature class ta 70°C/B
- ⦿ VDE rated as inherently short-circuit proof
- ⦿ Weight: 0.10kg
- ⦿ Packaging unit: 25 pieces (tube)

### Mechanical



### Schematics



Primary (V)	Secondary (V / mA)	No-Load Voltage (V)	Schematic No.	Part Number	Agency Approvals
230	6 / 333	10.50	1	030-7304.0	1/3*
230	9 / 222	14.60	1	030-7305.0	1/3*
230	12 / 166	20.00	1	030-7306.0	1/3*
230	15 / 133	26.00	1	030-7307.0	1/3*
230	18 / 111	29.60	1	030-7308.0	1/3*
230	24 / 83	37.20	1	030-7309.0	1/3*
230	2x6 / 166	2x8.70	2	030-7310.0	1/3*
230	2x9 / 111	2x14.60	2	030-7311.0	1/3*
230	2x12 / 83	2x19.45	2	030-7312.0	1/3*
230	2x15 / 66	2x24.10	2	030-7313.0	1/3*
230	2x18 / 55	2x29.10	2	030-7314.0	1
230	2x24 / 42	2x36.50	2	030-7315.0	1
115	6 / 333	10.50	1	030-7292.0	1/3*
115	9 / 222	14.60	1	030-7293.0	1/3*
115	12 / 166	20.00	1	030-7294.0	1/3*
115	15 / 133	26.00	1	030-7295.0	1/3*
115	18 / 111	29.60	1	030-7296.0	1/3*
115	24 / 83	37.20	1	030-7297.0	1/3*
115	2x6 / 166	2x8.70	2	030-7298.0	1/3*
115	2x9 / 111	2x14.60	2	030-7299.0	1/3*
115	2x12 / 83	2x19.45	2	030-7300.0	1/3*
115	2x15 / 66	2x24.10	2	030-7301.0	1/3*
115	2x18 / 55	2x29.10	2	030-7302.0	1
115	2x24 / 42	2x36.50	2	030-7303.0	1
2x115	6 / 333	10.50	3	030-6429.0	1/3*
2x115	9 / 222	14.60	3	030-6432.0	1/3*
2x115	12 / 166	20.00	3	030-6435.0	1/3*
2x115	15 / 133	26.00	3	030-6438.0	1/3*
2x115	18 / 111	29.60	3	030-6441.0	1/3*
2x115	24 / 83	37.20	3	030-6447.0	1/3*
2x115	2x6 / 166	2x8.70	4	030-6452.0	1/3*
2x115	2x9 / 111	2x14.60	4	030-6455.0	1/3*
2x115	2x12 / 83	2x19.45	4	030-6458.0	1/3*
2x115	2x15 / 66	2x24.10	4	030-6461.0	1/3*
2x115	2x18 / 55	2x29.10	4	030-6464.0	1
2x115	2x24 / 42	2x36.50	4	030-6470.0	1

\*NOTE: When checking the approval status of this product with VDE, add the prefix "BV" and the suffix "S" to the orderable Part Number (these letters will also be found on the part label). The prefix and suffix are not part of the orderable Part Number.

# LAMINATED TRANSFORMERS








## Type EI30 / 18.0 - 2.3VA



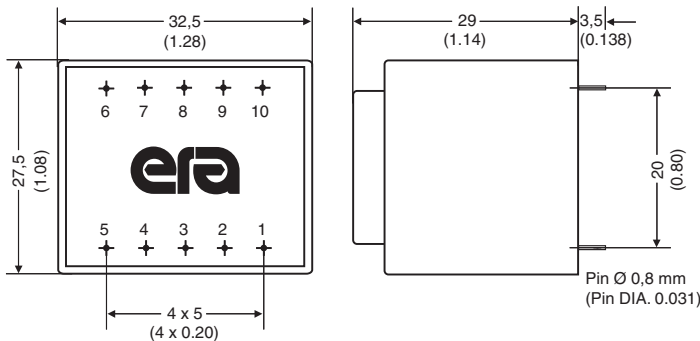
**AGENCY APPROVALS** 

1. UL 506, File E113449 

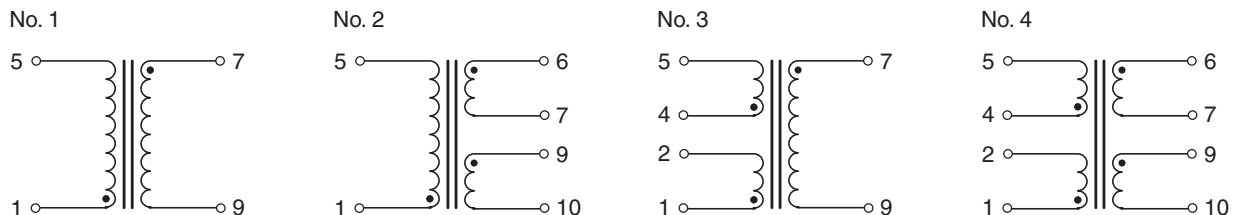
3. EN61558  

-  Frequency 50/60Hz
-  Potted under vacuum
-  Split-bobbin
-  Temperature class ta 70°C/B
-  VDE rated as inherently short-circuit proof
-  Weight: 0.112kg
-  Packaging unit: 25 pieces (tube)

### Mechanical



### Schematics



Primary (V)	Secondary (V / mA)	No-Load Voltage (V)	Schematic No.	Part Number	Agency Approvals
230	6 / 384	10.00	1	030-7340.0	1/3*
230	9 / 256	13.80	1	030-7341.0	1/3*
230	12 / 192	18.60	1	030-7342.0	1/3*
230	15 / 154	23.80	1	030-7343.0	1/3*
230	18 / 128	27.80	1	030-7344.0	1/3*
230	24 / 96	34.70	1	030-7345.0	1/3*
230	2x6 / 192	2x9.90	2	030-7346.0	1/3*
230	2x9 / 128	2x14.00	2	030-7347.0	1/3*
230	2x12 / 96	2x17.50	2	030-7348.0	1/3*
230	2x15 / 77	2x24.40	2	030-7349.0	1/3*
230	2x18 / 64	2x29.30	2	030-7350.0	1
230	2x24 / 48	2x35.80	2	030-7351.0	1
115	6 / 384	10.00	1	030-7328.0	1/3*
115	9 / 256	13.80	1	030-7329.0	1/3*
115	12 / 192	18.60	1	030-7330.0	1/3*
115	15 / 154	23.80	1	030-7331.0	1/3*
115	18 / 128	27.80	1	030-7332.0	1/3*
115	24 / 96	34.70	1	030-7333.0	1/3*
115	2x6 / 192	2x9.90	2	030-7334.0	1/3*
115	2x9 / 128	2x14.00	2	030-7335.0	1/3*
115	2x12 / 96	2x17.50	2	030-7336.0	1/3*
115	2x15 / 77	2x24.40	2	030-7337.0	1/3*
115	2x18 / 64	2x29.30	2	030-7338.0	1
115	2x24 / 48	2x35.80	2	030-7339.0	1
2x115	6 / 384	10.00	3	030-6797.0	1/3*
2x115	9 / 256	13.80	3	030-6800.0	1/3*
2x115	12 / 192	18.60	3	030-6803.0	1/3*
2x115	15 / 154	23.80	3	030-6806.0	1/3*
2x115	18 / 128	27.80	3	030-6809.0	1/3*
2x115	24 / 96	34.70	3	030-6815.0	1/3*
2x115	2x6 / 192	2x9.90	4	030-6820.0	1/3*
2x115	2x9 / 128	2x14.00	4	030-6823.0	1/3*
2x115	2x12 / 96	2x17.50	4	030-6826.0	1/3*
2x115	2x15 / 77	2x24.40	4	030-6829.0	1/3*
2x115	2x18 / 64	2x29.30	4	030-6832.0	1
2x115	2x24 / 48	2x35.80	4	030-6838.0	1








\*NOTE: When checking the approval status of this product with VDE, add the prefix "BV" and the suffix "T" to the orderable Part Number (these letters will also be found on the part label). The prefix and suffix are not part of the orderable Part Number.

# LAMINATED TRANSFORMERS

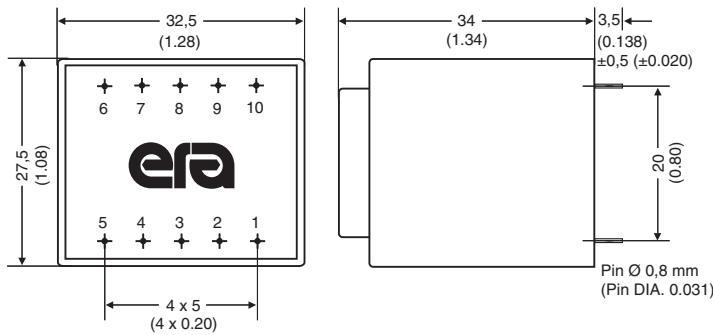
## Type EI30 / 23.0 - 2.8VA



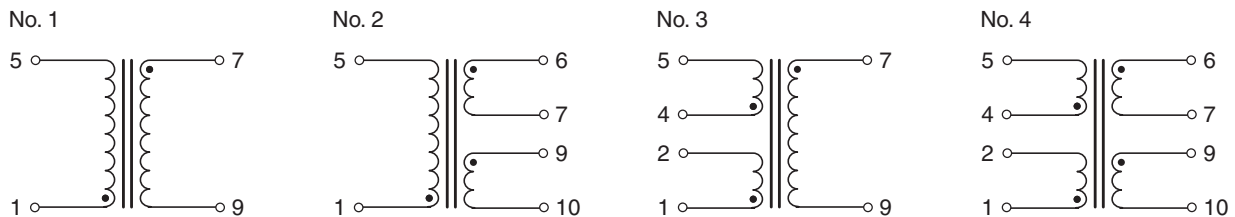
**AGENCY APPROVALS**   
 1. UL 506, File E113449   
 3. EN61558 

-  Frequency 50/60Hz
-  Potted under vacuum
-  Split-bobbin
-  Temperature class ta 70°C/B
-  VDE rated as inherently short-circuit proof
-  Weight: 0.134kg
-  Packaging unit: 25 pieces (tube)

### Mechanical



### Schematics



Primary (V)	Secondary (V / mA)	No-Load Voltage (V)	Schematic No.	Part Number	Agency Approvals
230	6 / 466	10.70	1	030-7584.0	1/3*
230	9 / 311	14.80	1	030-7585.0	1/3*
230	12 / 233	20.80	1	030-7586.0	1/3*
230	15 / 186	24.00	1	030-7587.0	1/3*
230	18 / 155	29.90	1	030-7588.0	1/3*
230	24 / 116	38.80	1	030-7589.0	1/3*
230	2x6 / 233	2x10.70	2	030-7590.0	1/3*
230	2x9 / 155	2x16.00	2	030-7591.0	1/3*
230	2x12 / 116	2x20.40	2	030-7592.0	1/3*
230	2x15 / 93	2x25.00	2	030-7593.0	1/3*
230	2x18 / 77	2x30.50	2	030-7594.0	1
230	2x24 / 58	2x38.70	2	030-7595.0	1
115	6 / 466	10.70	1	030-7596.0	1/3*
115	9 / 311	14.80	1	030-7597.0	1/3*
115	12 / 233	20.80	1	030-7598.0	1/3*
115	15 / 186	24.00	1	030-7599.0	1/3*
115	18 / 155	29.90	1	030-7600.0	1/3*
115	24 / 116	38.80	1	030-7601.0	1/3*
115	2x6 / 233	2x10.70	2	030-7602.0	1/3*
115	2x9 / 155	2x16.00	2	030-7603.0	1/3*
115	2x12 / 116	2x20.40	2	030-7604.0	1/3*
115	2x15 / 93	2x25.00	2	030-7605.0	1/3*
115	2x18 / 77	2x30.50	2	030-7606.0	1
115	2x24 / 58	2x38.70	2	030-7607.0	1
2x115	6 / 466	10.70	3	030-7723.0	1/3*
2x115	9 / 311	14.80	3	030-7724.0	1/3*
2x115	12 / 233	20.80	3	030-7725.0	1/3*
2x115	15 / 186	24.00	3	030-7726.0	1/3*
2x115	18 / 155	29.90	3	030-7727.0	1/3*
2x115	24 / 116	38.80	3	030-7728.0	1/3*
2x115	2x6 / 233	2x10.70	4	030-7729.0	1/3*
2x115	2x9 / 155	2x16.00	4	030-7730.0	1/3*
2x115	2x12 / 116	2x20.40	4	030-7731.0	1/3*
2x115	2x15 / 93	2x25.00	4	030-7732.0	1/3*
2x115	2x18 / 77	2x30.50	4	030-7733.0	1
2x115	2x24 / 58	2x38.70	4	030-7734.0	1

\*NOTE: When checking the approval status of this product with VDE, add the prefix "BV" and the suffix "U" to the orderable Part Number (these letters will also be found on the part label). The prefix and suffix are **not** part of the orderable Part Number.

# LAMINATED TRANSFORMERS







## Type EI38 / 13.6 - 3.2VA



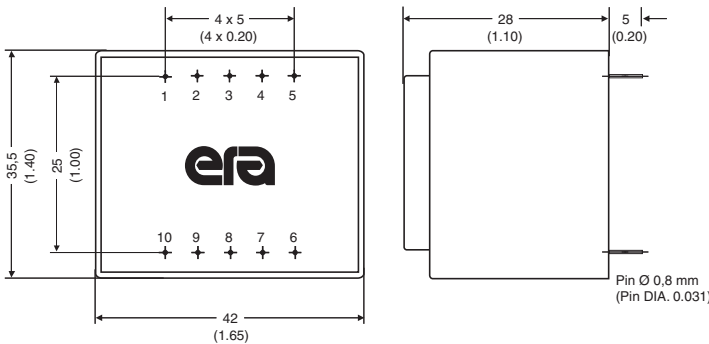
**AGENCY APPROVALS** 

1. UL 506, File E113449  

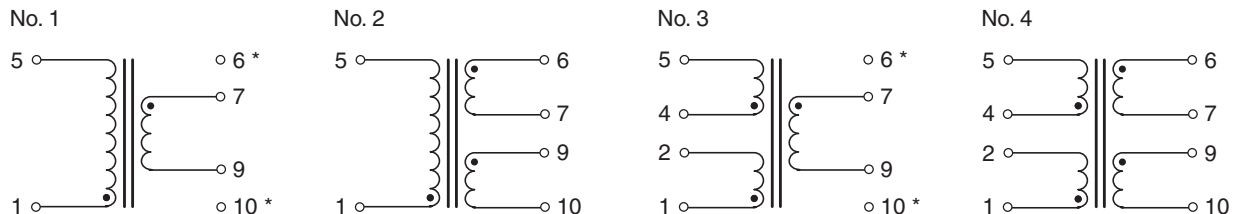
3. EN61558 

-  Frequency 50/60Hz
-  Potted under vacuum
-  Split-bobbin
-  Temperature class ta 70°C/B
-  Weight: 0.155kg
-  Packaging unit: 25 pieces (tray)

### Mechanical



### Schematics



\* Empty-Pin

Primary (V)	Secondary (V / mA)	No-Load Voltage (V)	Schematic No.	Part Number	Agency Approvals
230	6 / 534	9.20	1	038-5187.0	1/3*
230	9 / 356	13.95	1	038-5190.0	1/3*
230	12 / 267	17.80	1	038-5193.0	1/3*
230	15 / 214	22.20	1	038-5196.0	1/3*
230	18 / 178	27.00	1	038-5199.0	1/3*
230	24 / 134	35.00	1	038-5205.0	1/3*
230	2x6 / 267	2x8.90	2	038-5210.0	1/3*
230	2x9 / 178	2x13.40	2	038-5213.0	1/3*
230	2x12 / 134	2x17.50	2	038-5216.0	1/3*
230	2x15 / 107	2x22.30	2	038-5219.0	1/3*
230	2x18 / 89	2x25.80	2	038-5222.0	1
230	2x24 / 67	2x35.90	2	038-5228.0	1
115	6 / 534	9.20	1	038-5049.0	1/3*
115	9 / 356	13.95	1	038-5052.0	1/3*
115	12 / 267	17.80	1	038-5055.0	1/3*
115	15 / 214	22.20	1	038-5058.0	1/3*
115	18 / 178	27.00	1	038-5061.0	1/3*
115	24 / 134	35.00	1	038-5067.0	1/3*
115	2x6 / 267	2x8.90	2	038-5072.0	1/3*
115	2x9 / 178	2x13.40	2	038-5075.0	1/3*
115	2x12 / 134	2x17.50	2	038-5078.0	1/3*
115	2x15 / 107	2x22.30	2	038-5081.0	1/3*
115	2x18 / 89	2x25.80	2	038-5084.0	1
115	2x24 / 67	2x35.90	2	038-5090.0	1
2x115	6 / 534	9.20	3	038-5325.0	1/3*
2x115	9 / 356	13.95	3	038-5328.0	1/3*
2x115	12 / 267	17.80	3	038-5331.0	1/3*
2x115	15 / 214	22.20	3	038-5334.0	1/3*
2x115	18 / 178	27.00	3	038-5337.0	1/3*
2x115	24 / 134	35.00	3	038-5343.0	1/3*
2x115	2x6 / 267	2x8.90	4	038-5348.0	1/3*
2x115	2x9 / 178	2x13.40	4	038-5351.0	1/3*
2x115	2x12 / 134	2x17.50	4	038-5354.0	1/3*
2x115	2x15 / 107	2x22.30	4	038-5357.0	1/3*
2x115	2x18 / 89	2x25.80	4	038-5360.0	1
2x115	2x24 / 67	2x35.90	4	038-5366.0	1

\*NOTE: When checking the approval status of this product with VDE, add the prefix "BV" and the suffix "F" to the orderable Part Number (these letters will also be found on the part label). The prefix and suffix are not part of the orderable Part Number.



# LAMINATED TRANSFORMERS







## Type EI38 / 13.6 - 4.0VA



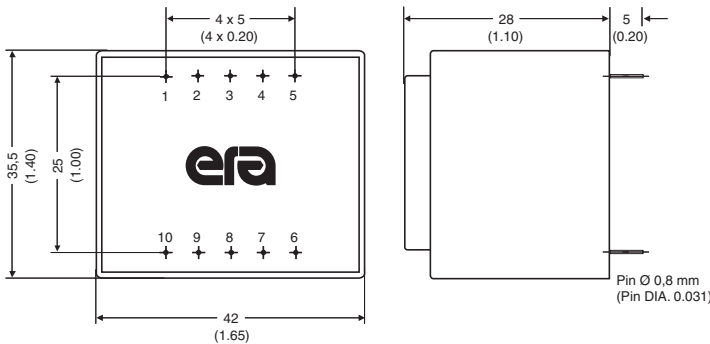
**AGENCY APPROVALS** 

1. UL 506, File E113449 

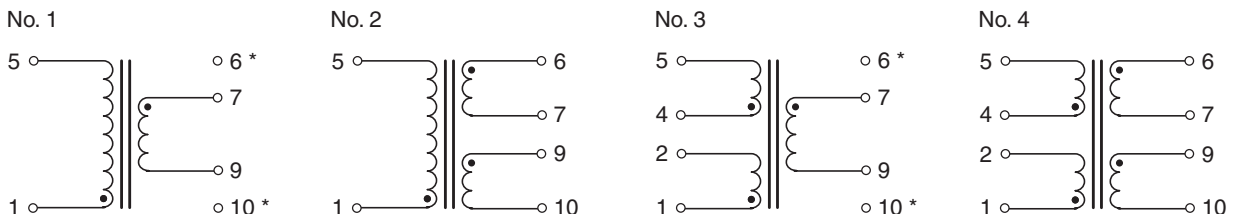
3. EN61558 

-  Frequency 50/60Hz
-  Potted under vacuum
-  Split-bobbin
-  Temperature class ta 70°C/B
-  Weight: 0.155kg
-  Packaging unit: 25 pieces (tray)

### Mechanical



### Schematics



\* Empty-Pin

Primary (V)	Secondary (V / mA)	No-Load Voltage (V)	Schematic No.	Part Number	Agency Approvals
230	6 / 667	8.50	1	038-5412.0	1/3*
230	9 / 444	12.60	1	038-5413.0	1/3*
230	12 / 333	16.40	1	038-5414.0	1/3*
230	15 / 267	20.90	1	038-5415.0	1/3*
230	18 / 222	24.30	1	038-5416.0	1/3*
230	24 / 167	32.80	1	038-5417.0	1/3*
230	2x6 / 333	2x8.50	2	038-5418.0	1/3*
230	2x9 / 222	2x12.50	2	038-5419.0	1/3*
230	2x12 / 167	2x16.40	2	038-5420.0	1/3*
230	2x15 / 133	2x21.20	2	038-5421.0	1/3*
230	2x18 / 111	2x24.50	2	038-5422.0	1/3*
230	2x24 / 83	2x32.70	2	038-5423.0	1
115	6 / 667	8.50	1	038-5400.0	1/3*
115	9 / 444	12.60	1	038-5401.0	1/3*
115	12 / 333	16.40	1	038-5402.0	1/3*
115	15 / 267	20.90	1	038-5403.0	1/3*
115	18 / 222	24.30	1	038-5404.0	1/3*
115	24 / 167	32.80	1	038-5405.0	1/3*
115	2x6 / 333	2x8.50	2	038-5406.0	1/3*
115	2x9 / 222	2x12.50	2	038-5407.0	1/3*
115	2x12 / 167	2x16.40	2	038-5408.0	1/3*
115	2x15 / 133	2x21.20	2	038-5409.0	1/3*
115	2x18 / 111	2x24.50	2	038-5410.0	1/3*
115	2x24 / 83	2x32.70	2	038-5411.0	1
2x115	6 / 667	8.50	3	038-5424.0	1/3*
2x115	9 / 444	12.60	3	038-5425.0	1/3*
2x115	12 / 333	16.40	3	038-5426.0	1/3*
2x115	15 / 267	20.90	3	038-5427.0	1/3*
2x115	18 / 222	24.30	3	038-5428.0	1/3*
2x115	24 / 167	32.80	3	038-5429.0	1/3*
2x115	2x6 / 333	2x8.50	4	038-5430.0	1/3*
2x115	2x9 / 222	2x12.50	4	038-5431.0	1/3*
2x115	2x12 / 167	2x16.40	4	038-5432.0	1/3*
2x115	2x15 / 133	2x21.20	4	038-5433.0	1/3*
2x115	2x18 / 111	2x24.50	4	038-5434.0	1/3*
2x115	2x24 / 83	2x32.70	4	038-5435.0	1

\*NOTE: When checking the approval status of this product with VDE, add the prefix "BV" and the suffix "F" to the orderable Part Number (these letters will also be found on the part label). The prefix and suffix are not part of the orderable Part Number.

# LAMINATED TRANSFORMERS







## Type EI42 / 14.8 - 5.0VA



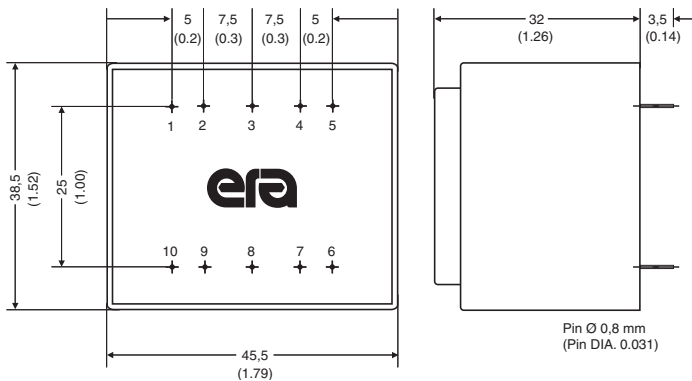
**AGENCY APPROVALS** 

1. UL 506, File E113449  

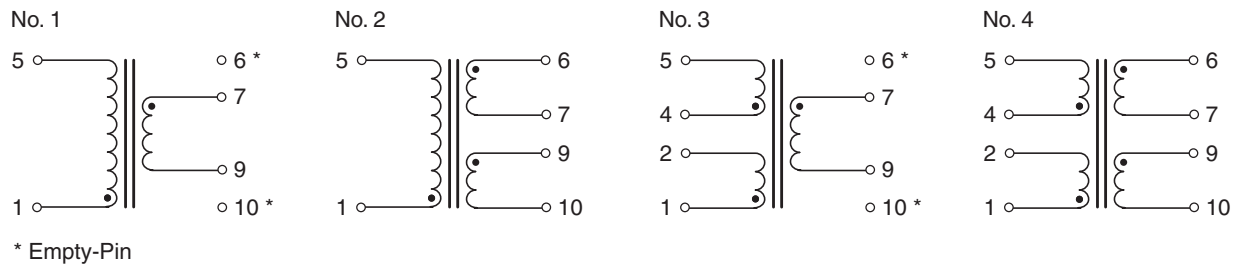
3. EN61558  

-  Frequency 50/60Hz
-  Potted under vacuum
-  Split-bobbin
-  Temperature class ta 70°C/B
-  Weight: 0.2kg
-  Packaging unit: 25 pieces (tray)

### Mechanical



### Schematics



Primary (V)	Secondary (V / mA)	No-Load Voltage (V)	Schematic No.	Part Number	Agency Approvals
230	6 / 834	8.10	1	042-5187.0	1/3*
230	9 / 556	12.00	1	042-5190.0	1/3*
230	12 / 417	15.50	1	042-5193.0	1/3*
230	15 / 334	19.20	1	042-5196.0	1/3*
230	18 / 278	23.00	1	042-5199.0	1/3*
230	24 / 208	30.50	1	042-5205.0	1/3*
230	2x6 / 417	2x7.70	2	042-5210.0	1/3*
230	2x9 / 278	2x11.60	2	042-5213.0	1/3*
230	2x12 / 208	2x15.20	2	042-5216.0	1/3*
230	2x15 / 167	2x19.40	2	042-5219.0	1/3*
230	2x18 / 139	2x23.10	2	042-5222.0	1/3*
230	2x24 / 104	2x30.80	2	042-5228.0	1
115	6 / 834	8.10	1	042-5049.0	1/3*
115	9 / 556	12.00	1	042-5052.0	1/3*
115	12 / 417	15.50	1	042-5055.0	1/3*
115	15 / 334	19.20	1	042-5058.0	1/3*
115	18 / 278	23.00	1	042-5061.0	1/3*
115	24 / 208	30.50	1	042-5067.0	1/3*
115	2x6 / 417	2x7.70	2	042-5072.0	1/3*
115	2x9 / 278	2x11.60	2	042-5075.0	1/3*
115	2x12 / 208	2x15.20	2	042-5078.0	1/3*
115	2x15 / 167	2x19.40	2	042-5081.0	1/3*
115	2x18 / 139	2x23.10	2	042-5084.0	1/3*
115	2x24 / 104	2x30.80	2	042-5090.0	1
2x115	6 / 834	8.10	3	042-5325.0	1/3*
2x115	9 / 556	12.00	3	042-5328.0	1/3*
2x115	12 / 417	15.50	3	042-5331.0	1/3*
2x115	15 / 334	19.20	3	042-5334.0	1/3*
2x115	18 / 278	23.00	3	042-5337.0	1/3*
2x115	24 / 208	30.50	3	042-5343.0	1/3*
2x115	2x6 / 417	2x7.70	4	042-5348.0	1/3*
2x115	2x9 / 278	2x11.60	4	042-5351.0	1/3*
2x115	2x12 / 208	2x15.20	4	042-5354.0	1/3*
2x115	2x15 / 167	2x19.40	4	042-5357.0	1/3*
2x115	2x18 / 139	2x23.10	4	042-5360.0	1/3*
2x115	2x24 / 104	2x30.80	4	042-5366.0	1

\*NOTE: When checking the approval status of this product with VDE, add the prefix "BV" and the suffix "G" to the orderable Part Number (these letters will also be found on the part label). The prefix and suffix are not part of the orderable Part Number.

# LAMINATED TRANSFORMERS







## Type EI48 / 16.8 - 10VA



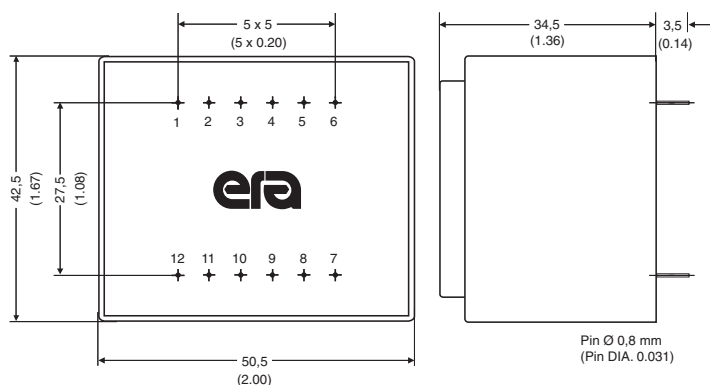
**AGENCY APPROVALS**   

1. UL 506, File E113449

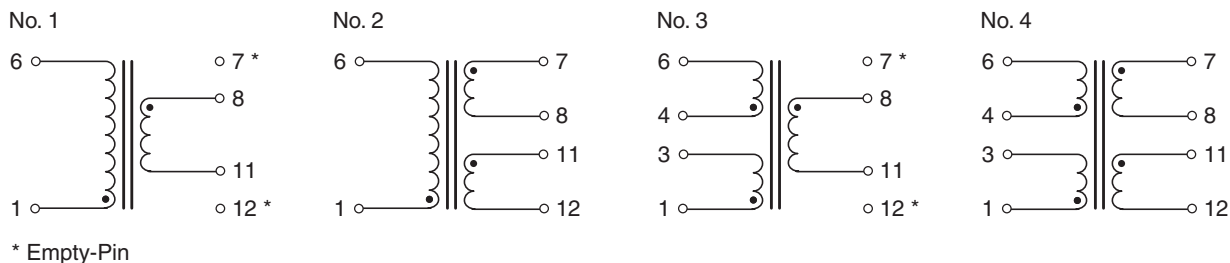
3. EN61558

-  Frequency 50/60Hz
-  Potted under vacuum
-  Split-bobbin
-  Temperature class ta 40°C/B
-  Weight: 0.295kg
-  Packaging unit: 15 pieces (tray)

### Mechanical



### Schematics



Primary (V)	Secondary (V / mA)	No-Load Voltage (V)	Schematic No.	Part Number	Agency Approvals
230	6 / 1666	7.90	1	048-5187.0	1/3*
230	9 / 1111	12.00	1	048-5190.0	1/3*
230	12 / 834	15.70	1	048-5193.0	1/3*
230	15 / 666	19.20	1	048-5196.0	1/3*
230	18 / 555	22.90	1	048-5199.0	1/3*
230	24 / 416	30.60	1	048-5205.0	1/3*
230	2x6 / 834	2x8.10	2	048-5210.0	1/3*
230	2x9 / 555	2x11.60	2	048-5213.0	1/3*
230	2x12 / 416	2x15.70	2	048-5216.0	1/3*
230	2x15 / 333	2x19.50	2	048-5219.0	1/3*
230	2x18 / 277	2x23.50	2	048-5222.0	1/3*
230	2x24 / 208	2x30.00	2	048-5228.0	1
115	6 / 1666	7.90	1	048-5049.0	1/3*
115	9 / 1111	12.00	1	048-5052.0	1/3*
115	12 / 834	15.70	1	048-5055.0	1/3*
115	15 / 666	19.20	1	048-5058.0	1/3*
115	18 / 555	22.90	1	048-5061.0	1/3*
115	24 / 416	30.60	1	048-5067.0	1/3*
115	2x6 / 834	2x8.10	2	048-5072.0	1/3*
115	2x9 / 555	2x11.60	2	048-5075.0	1/3*
115	2x12 / 416	2x15.70	2	048-5078.0	1/3*
115	2x15 / 333	2x19.50	2	048-5081.0	1/3*
115	2x18 / 277	2x23.50	2	048-5084.0	1/3*
115	2x24 / 208	2x30.00	2	048-5090.0	1
2x115	6 / 1666	7.90	3	048-5325.0	1/3*
2x115	9 / 1111	12.00	3	048-5328.0	1/3*
2x115	12 / 834	15.70	3	048-5331.0	1/3*
2x115	15 / 666	19.20	3	048-5334.0	1/3*
2x115	18 / 555	22.90	3	048-5337.0	1/3*
2x115	24 / 416	30.60	3	048-5343.0	1/3*
2x115	2x6 / 834	2x8.10	4	048-5348.0	1/3*
2x115	2x9 / 555	2x11.60	4	048-5351.0	1/3*
2x115	2x12 / 416	2x15.70	4	048-5354.0	1/3*
2x115	2x15 / 333	2x19.50	4	048-5357.0	1/3*
2x115	2x18 / 277	2x23.50	4	048-5360.0	1/3*
2x115	2x24 / 208	2x30.00	4	048-5366.0	1

\*NOTE: When checking the approval status of this product with VDE, add the prefix "BV" and the suffix "H" to the orderable Part Number (these letters will also be found on the part label). The prefix and suffix are not part of the orderable Part Number.

# LAMINATED TRANSFORMERS







## Type EI54 / 18.8 - 16VA



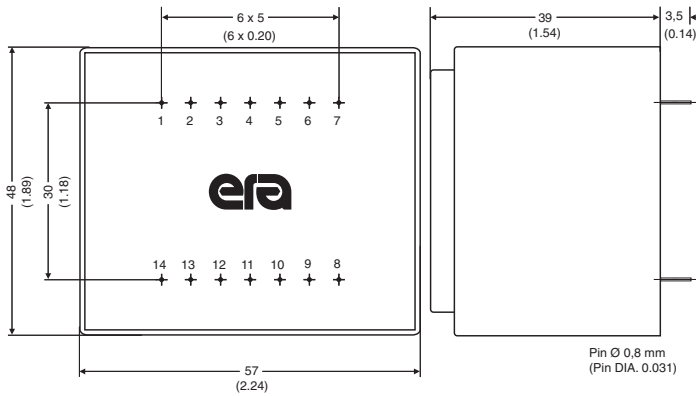
**AGENCY APPROVALS** 

1. UL 506, File E113449 

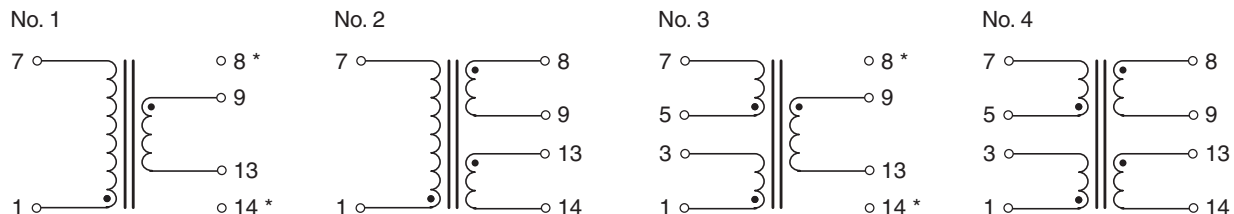
3. EN61558  

-  Frequency 50/60Hz
-  Potted under vacuum
-  Split-bobbin
-  Temperature class ta 40°C/B
-  Weight: 0.42kg
-  Packaging unit: 10 pieces (tray)

### Mechanical



### Schematics



\* Empty-Pin

Primary (V)	Secondary (V / mA)	No-Load Voltage (V)	Schematic No.	Part Number	Agency Approvals
230	6 / 2666	7.60	1	054-5187.0	1/3*
230	9 / 1777	11.30	1	054-5190.0	1/3*
230	12 / 1333	14.90	1	054-5193.0	1/3*
230	15 / 1066	18.40	1	054-5196.0	1/3*
230	18 / 888	22.40	1	054-5199.0	1/3*
230	24 / 666	29.60	1	054-5205.0	1/3*
230	2x6 / 1333	2x7.70	2	054-5210.0	1/3*
230	2x9 / 888	2x11.40	2	054-5213.0	1/3*
230	2x12 / 666	2x15.00	2	054-5216.0	1/3*
230	2x15 / 533	2x18.70	2	054-5219.0	1/3*
230	2x18 / 444	2x22.40	2	054-5222.0	1/3*
230	2x24 / 333	2x29.00	2	054-5228.0	1
115	6 / 2666	7.60	1	054-5049.0	1/3*
115	9 / 1777	11.30	1	054-5052.0	1/3*
115	12 / 1333	14.90	1	054-5055.0	1/3*
115	15 / 1066	18.40	1	054-5058.0	1/3*
115	18 / 888	22.40	1	054-5061.0	1/3*
115	24 / 666	29.60	1	054-5067.0	1/3*
115	2x6 / 1333	2x7.70	2	054-5072.0	1/3*
115	2x9 / 888	2x11.40	2	054-5075.0	1/3*
115	2x12 / 666	2x15.00	2	054-5078.0	1/3*
115	2x15 / 533	2x18.70	2	054-5081.0	1/3*
115	2x18 / 444	2x22.40	2	054-5084.0	1/3*
115	2x24 / 333	2x29.00	2	054-5090.0	1
2x115	6 / 2666	7.60	3	054-5325.0	1/3*
2x115	9 / 1777	11.30	3	054-5328.0	1/3*
2x115	12 / 1333	14.90	3	054-5331.0	1/3*
2x115	15 / 1066	18.40	3	054-5334.0	1/3*
2x115	18 / 888	22.40	3	054-5337.0	1/3*
2x115	24 / 666	29.60	3	054-5343.0	1/3*
2x115	2x6 / 1333	2x7.70	4	054-5348.0	1/3*
2x115	2x9 / 888	2x11.40	4	054-5351.0	1/3*
2x115	2x12 / 666	2x15.00	4	054-5354.0	1/3*
2x115	2x15 / 533	2x18.70	4	054-5357.0	1/3*
2x115	2x18 / 444	2x22.40	4	054-5360.0	1/3*
2x115	2x24 / 333	2x29.00	4	054-5366.0	1

\*NOTE: When checking the approval status of this product with VDE, add the prefix "BV" and the suffix "K" to the orderable Part Number (these letters will also be found on the part label). The prefix and suffix are not part of the orderable Part Number.