

# LAMINATED TRANSFORMERS

Type EI30 / 5 - 0.5VA



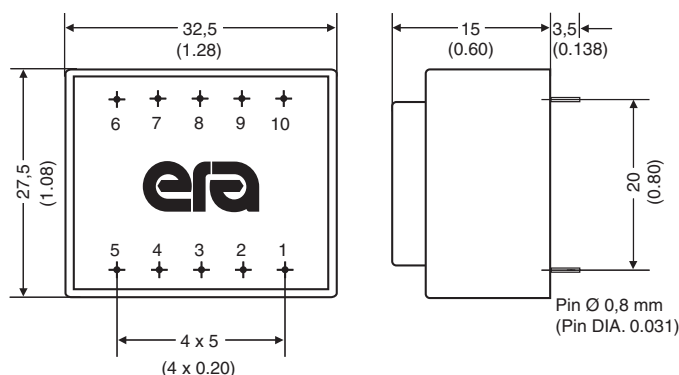
**AGENCY APPROVALS**



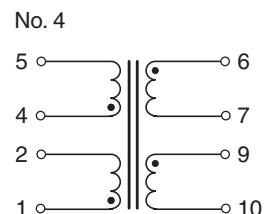
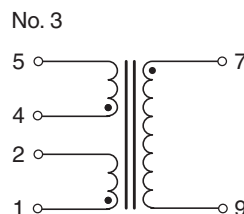
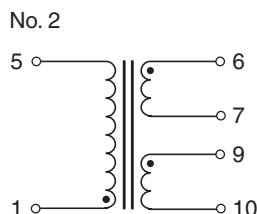
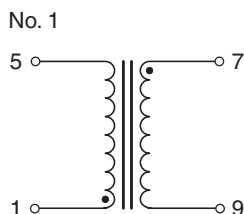
1. UL 506, File E113449
2. UL 1585, File E175197 Class 2/3
3. EN61558

- 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: 0.06kg
- 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

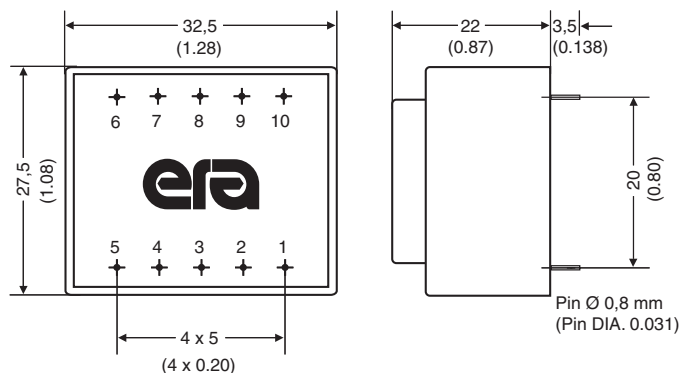


## AGENCY APPROVALS

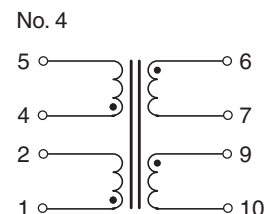
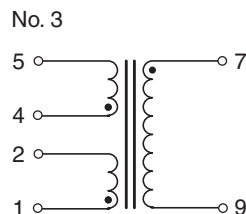
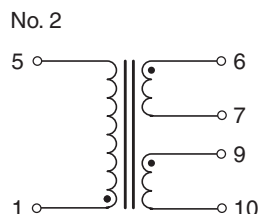
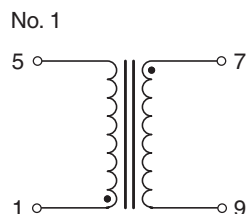
1. UL 506, File E113449
2. UL 1585, File E175197 Class 2/3
3. EN61558

- 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)

## Mechanical



## Schematics



| 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                |

\*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.

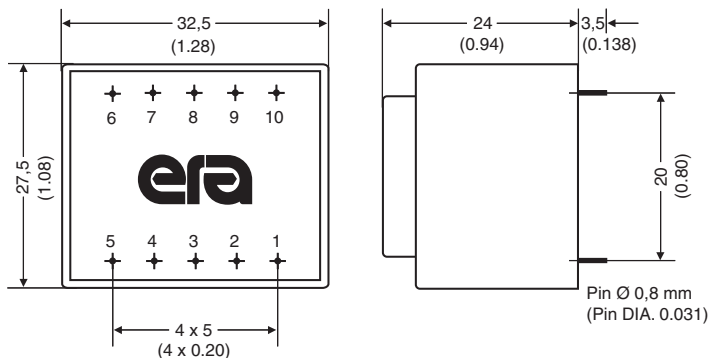
# LAMINATED TRANSFORMERS

## Type EI30 / 12.5 - 1.2VA

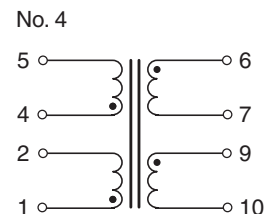
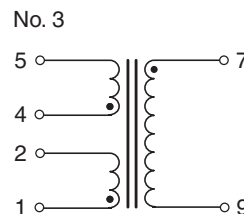
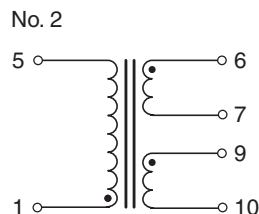
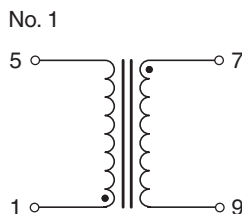


- Frequency 50/60Hz
- Potted under vacuum
- Split-bobbin
- Temperature class  $t_a$  70°C/B
- Short-circuit-proof (where noted: 1/2/3\* under Agency Approvals)
- Weight: 0.08kg
- Packaging unit: 25 pieces (tube)

### 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.

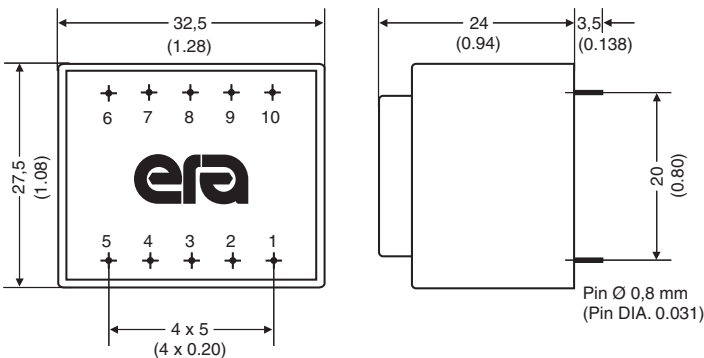
# LAMINATED TRANSFORMERS

Type EI30 / 12.5 - 1.5VA

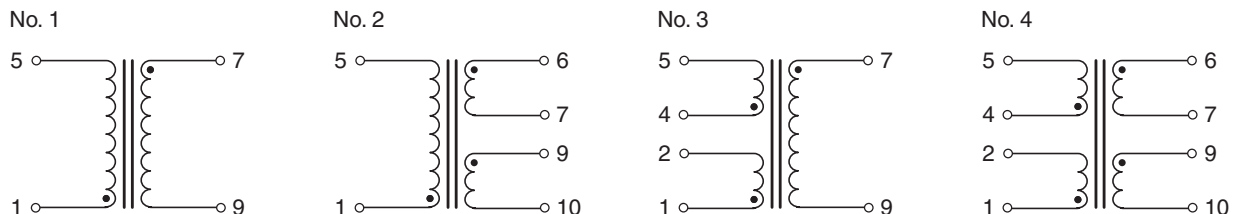


- Frequency 50/60Hz
- Potted under vacuum
- Split-bobbin
- Temperature class ta 70°C/B
- Short-circuit-proof (where noted: 1/2/3\* under Agency Approvals)
- Weight: 0.08kg
- Packaging unit: 25 pieces (tube)

## 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.

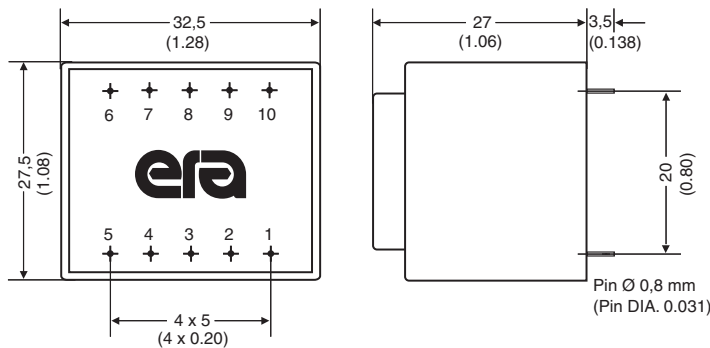
# LAMINATED TRANSFORMERS

Type EI30 / 15.5 - 2.0VA

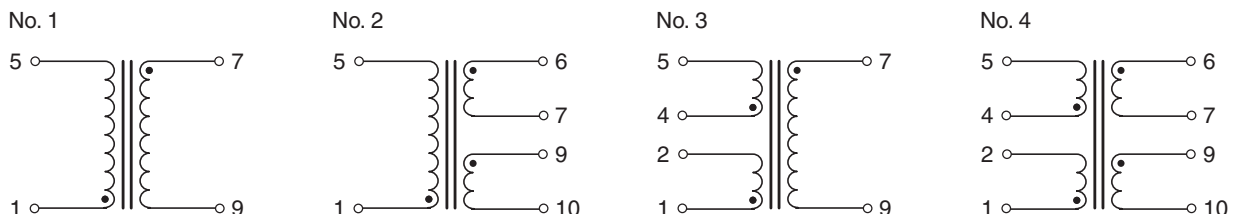


- Frequency 50/60Hz
- Potted under vacuum
- Split-bobbin
- Temperature class ta 70°C/B
- VDE rated as inherently short-circuit proof
- Weight: 0.10kg
- Packaging unit: 25 pieces (tube)

## 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.

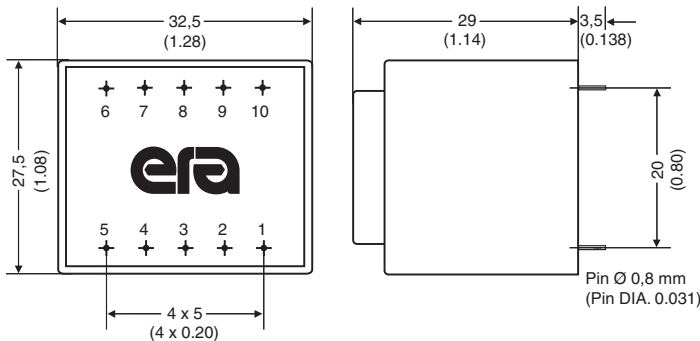
# LAMINATED TRANSFORMERS

## Type EI30 / 18.0 - 2.3VA

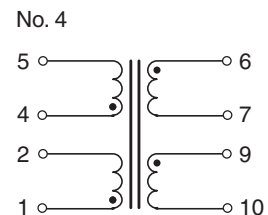
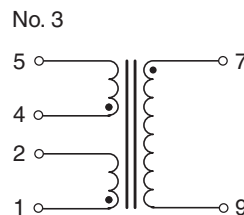
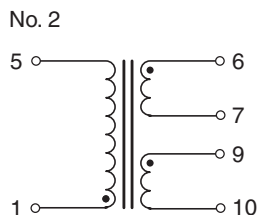
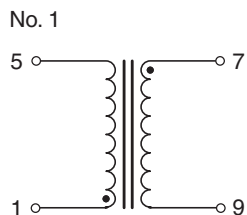


- ⊕ Frequency 50/60Hz
- ⊕ Potted under vacuum
- ⊕ Split-bobbin
- ⊕ Temperature class ta 70°C/B
- ⊕ VDE rated as inherently short-circuit proof
- ⊕ Weight: 0.112kg
- ⊕ Packaging unit: 25 pieces (tube)

### 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

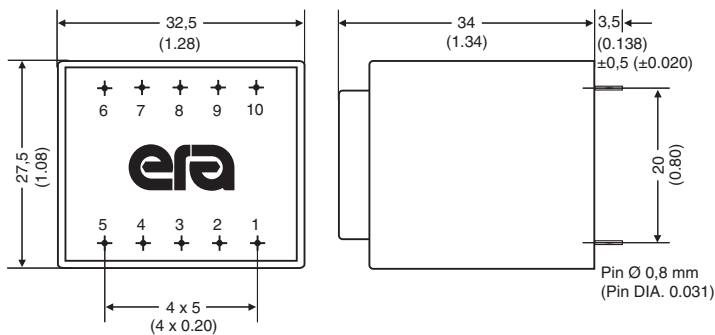
## Type EI30 / 23.0 - 2.8VA



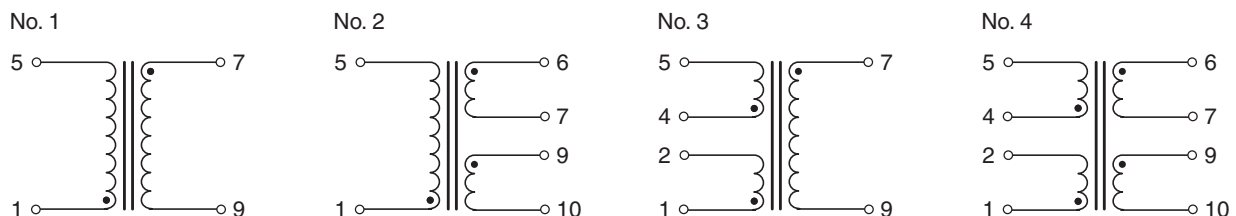
**AGENCY APPROVALS**   
 1. UL 506, File E113449   
 3. EN61558 

-  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**



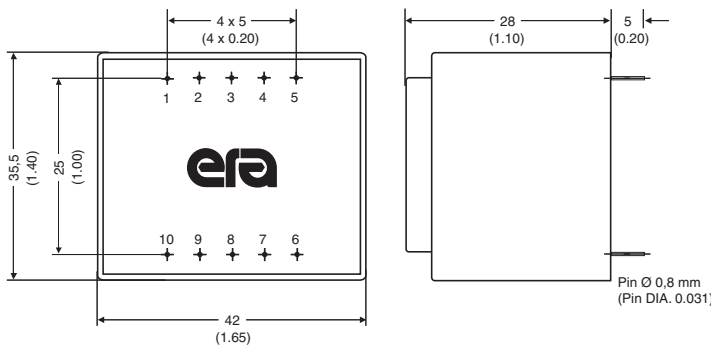
1. UL 506, File E113449

3. EN61558

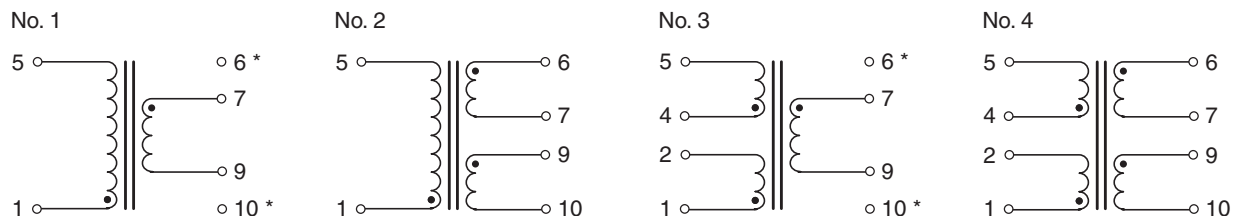


- Frequency 50/60Hz
- Potted under vacuum
- Split-bobbin
- Temperature class ta 70°C/B
- Weight: 0.155kg
- Packaging unit: 25 pieces (tray)

## 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



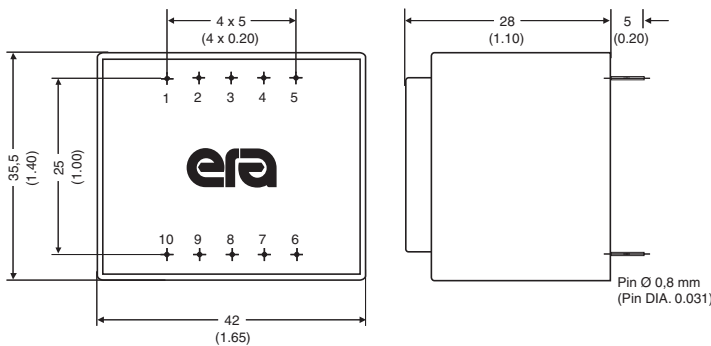
**AGENCY APPROVALS**

1. UL 506, File E113449

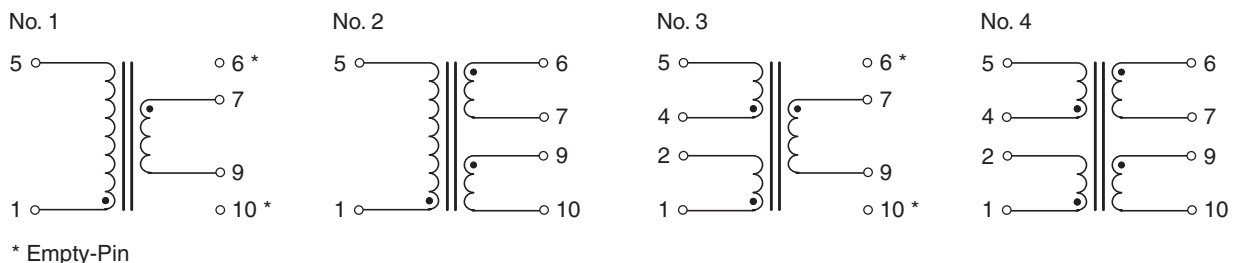
3. EN61558

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

## Mechanical



## Schematics



| 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

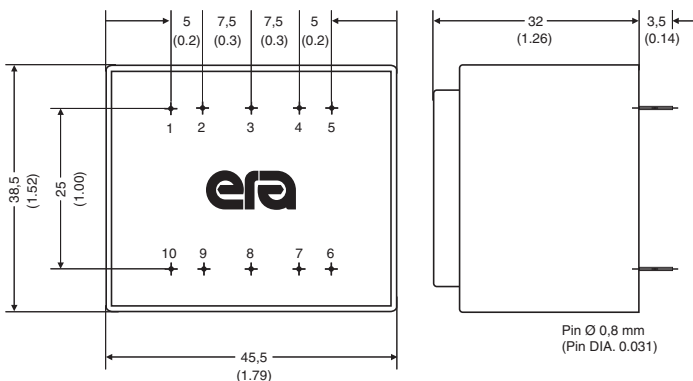


### AGENCY APPROVALS

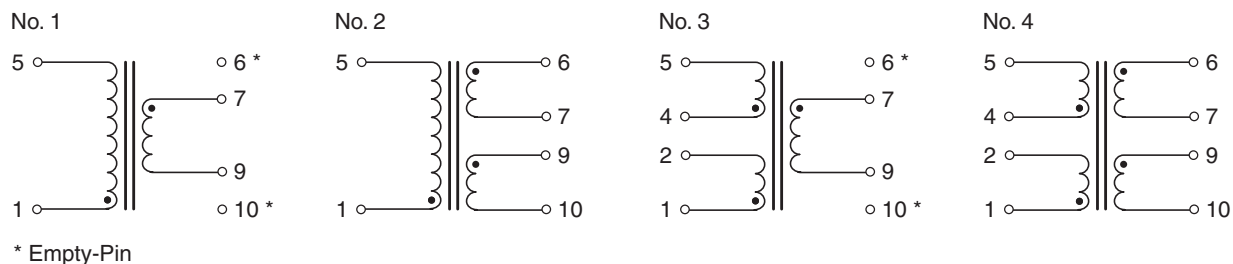
1. UL 506, File E113449
3. EN61558

- 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.

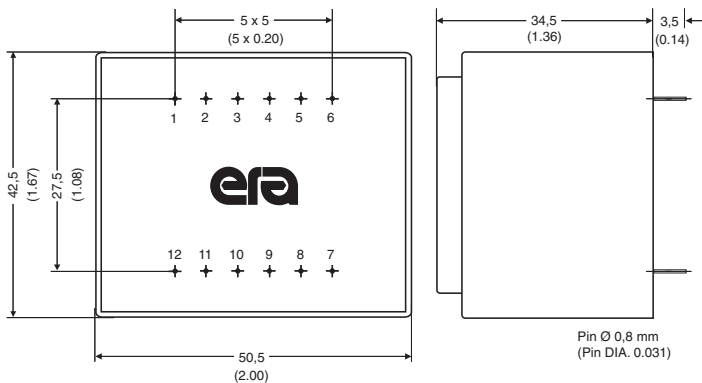
# LAMINATED TRANSFORMERS

## Type EI48 / 16.8 - 10VA



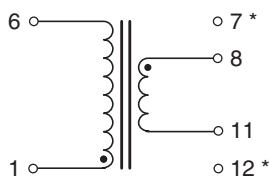
- Frequency 50/60Hz
- Potted under vacuum
- Split-bobbin
- Temperature class ta 40°C/B
- Weight: 0.295kg
- Packaging unit: 15 pieces (tray)

### Mechanical



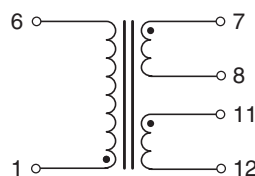
### Schematics

No. 1

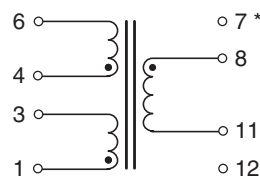


\* Empty-Pin

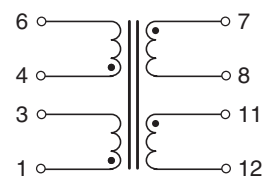
No. 2



No. 3



No. 4



| 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

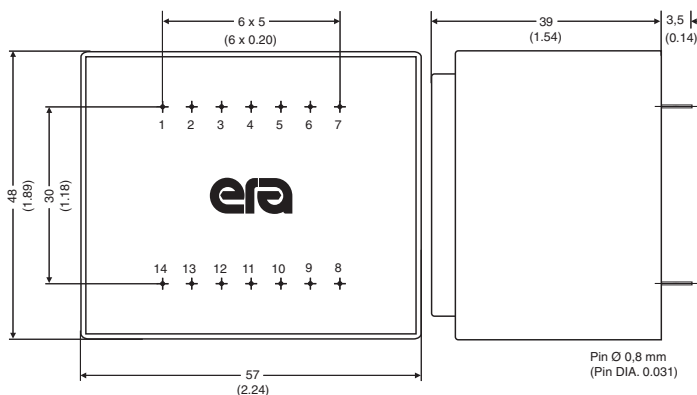
## Type EI54 / 18.8 - 16VA



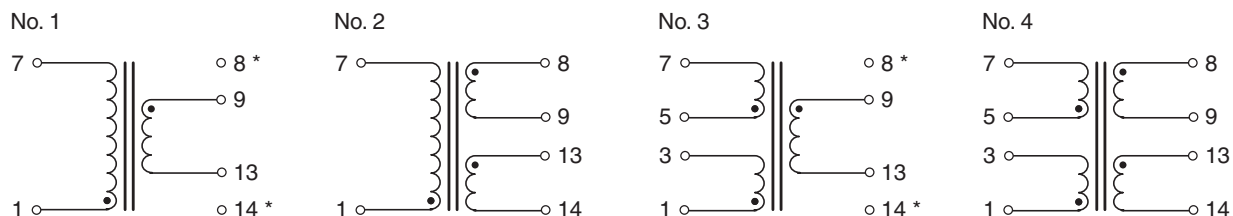
**AGENCY APPROVALS**   
 1. UL 506, File E113449   
 3. EN61558 

-  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.