



- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 V0
- Degree of protection IP 00
- 40 grams weight
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof
- Insulation voltage 4 KV
- 100 % tested production
- Certification : CCA procedure on request

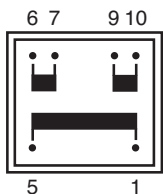
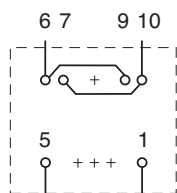
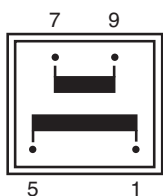
## QUALITY IN SERIES

### PRIMARY VOLTAGE 117 V

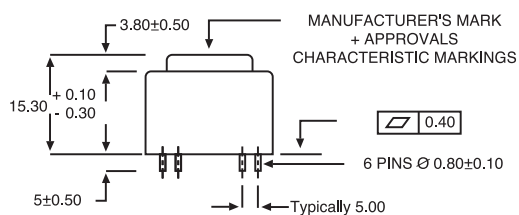
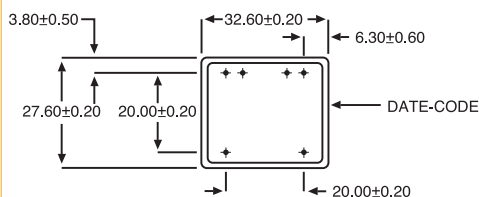
| Protection | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
|            | 44025     | 6                   | 100                  | 9,94              | T 70 B                 | 0,6       |
|            | 44026     | 9                   | 66                   | 14,95             | T 70 B                 | 0,6       |
|            | 44027     | 12                  | 50                   | 19,9              | T 70 B                 | 0,6       |
|            | 44028     | 15                  | 40                   | 24,9              | T 70 B                 | 0,6       |
|            | 44029     | 18                  | 33                   | 29,9              | T 70 B                 | 0,6       |
|            | 44030     | 24                  | 25                   | 39,8              | T 70 B                 | 0,6       |
|            | 44031     | 2 x 6               | 2 x 50               | 2 x 9,94          | T 70 B                 | 0,6       |
|            | 44032     | 2 x 9               | 2 x 33               | 2 x 14,95         | T 70 B                 | 0,6       |
|            | 44033     | 2 x 12              | 2 x 25               | 2 x 19,9          | T 70 B                 | 0,6       |
|            | 44034     | 2 x 15              | 2 x 20               | 2 x 24,9          | T 70 B                 | 0,6       |
|            | 44035     | 2 x 18              | 2 x 17               | 2 x 29,9          | T 70 B                 | 0,6       |
|            | 44036     | 2 x 24              | 2 x 12               | 2 x 39,8          | T 70 B                 | 0,6       |

### PRIMARY VOLTAGE 230 V

| Protection | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
|            | 44013     | 6                   | 100                  | 9,94              | T 70 B                 | 0,6       |
|            | 44014     | 9                   | 66                   | 14,95             | T 70 B                 | 0,6       |
|            | 44015     | 12                  | 50                   | 19,9              | T 70 B                 | 0,6       |
|            | 44016     | 15                  | 40                   | 24,9              | T 70 B                 | 0,6       |
|            | 44017     | 18                  | 33                   | 29,9              | T 70 B                 | 0,6       |
|            | 44018     | 24                  | 25                   | 39,8              | T 70 B                 | 0,6       |
|            | 44019     | 2 x 6               | 2 x 50               | 2 x 9,94          | T 70 B                 | 0,6       |
|            | 44020     | 2 x 9               | 2 x 33               | 2 x 14,95         | T 70 B                 | 0,6       |
|            | 44021     | 2 x 12              | 2 x 25               | 2 x 19,9          | T 70 B                 | 0,6       |
|            | 44022*    | 2 x 15              | 2 x 20               | 2 x 24,9          | T 70 B                 | 0,6       |
|            | 44023*    | 2 x 18              | 2 x 17               | 2 x 29,9          | T 70 B                 | 0,6       |
|            | 44024*    | 2 x 24              | 2 x 12               | 2 x 39,8          | T 70 B                 | 0,6       |



Recommended layout for transformers with 1 secondary winding (Allows the use of a transformer with 2 secondary windings)



\*\* RECOMMENDED DRILL-HOLE DIAMETER FOR 1,3 mm PINS



## PRIMARY VOLTAGE 117 V

| Protection | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
|            | 44061     | 6                   | 167                  | 8,6               | T 70 B                 | 1         |
|            | 44062     | 9                   | 111                  | 12,9              | T 70 B                 | 1         |
|            | 44063     | 12                  | 83                   | 17,2              | T 70 B                 | 1         |
|            | 44064     | 15                  | 67                   | 21,6              | T 70 B                 | 1         |
|            | 44065     | 18                  | 56                   | 25,9              | T 70 B                 | 1         |
|            | 44066     | 24                  | 42                   | 37,9              | T 70 B                 | 1         |
|            | 44067     | 2 X 6               | 2 x 83               | 2 x 8,6           | T 70 B                 | 1         |
|            | 44068     | 2 x 9               | 2 x 56               | 2 x 12,9          | T 70 B                 | 1         |
|            | 44069     | 2 x 12              | 2 x 42               | 2 x 19            | T 70 B                 | 1         |
|            | 44070     | 2 x 15              | 2 x 33               | 2 x 23,6          | T 70 B                 | 1         |
|            | 44071     | 2 x 18              | 2 x 28               | 2 x 24,9          | T 70 B                 | 1         |
| 44072      | 2 x 24    | 2 x 21              | 2 x 37,9             | T 70 B            | 1                      |           |

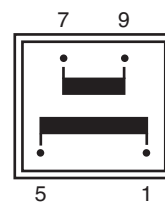
|  |        |        |     |          |         |     |
|--|--------|--------|-----|----------|---------|-----|
|  | 44338  | 6      | 250 | 10,1     | ta 70/B | 1,5 |
|  | 44339  | 9      | 167 | 15,3     | ta 70/B | 1,5 |
|  | 44340  | 12     | 125 | 20,2     | ta 70/B | 1,5 |
|  | 44341  | 15     | 100 | 25,3     | ta 70/B | 1,5 |
|  | 44342  | 18     | 83  | 31,2     | ta 70/B | 1,5 |
|  | 44343  | 24     | 63  | 43,3     | ta 70/B | 1,5 |
|  | 44344  | 2 x 6  | 125 | 2 x 10,1 | ta 70/B | 1,5 |
|  | 44345  | 2 x 9  | 83  | 2 x 15,3 | ta 70/B | 1,5 |
|  | 44346  | 2 x 12 | 63  | 2 x 20,2 | ta 70/B | 1,5 |
|  | 44347  | 2 x 15 | 50  | 2 x 25,0 | ta 70/B | 1,5 |
|  | 44348* | 2 x 18 | 42  | 2 x 31   | ta 70/B | 1,5 |
|  | 44349* | 2 x 24 | 31  | 2 x 43   | ta 70/B | 1,5 |

|  |       |        |         |          |         |     |
|--|-------|--------|---------|----------|---------|-----|
|  | 44840 | 6      | 300     | 10,1     | ta 70/B | 1,8 |
|  | 44841 | 9      | 200     | 15,2     | ta 70/B | 1,8 |
|  | 44842 | 12     | 150     | 20,3     | ta 70/B | 1,8 |
|  | 44843 | 15     | 120     | 27,3     | ta 70/B | 1,8 |
|  | 44844 | 18     | 100     | 30,4     | ta 70/B | 1,8 |
|  | 44845 | 24     | 75      | 40,6     | ta 70/B | 1,8 |
|  | 44846 | 2 x 6  | 2 x 150 | 2 x 10,1 | ta 70/B | 1,8 |
|  | 44847 | 2 x 9  | 2 x 100 | 2 x 15,2 | ta 70/B | 1,8 |
|  | 44848 | 2 x 12 | 2 x 75  | 2 x 20,3 | ta 70/B | 1,8 |
|  | 44849 | 2 x 15 | 2 x 60  | 2 x 27,3 | ta 70/B | 1,8 |



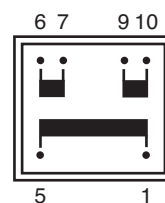
- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 V0
- Degree of protection IP 00
- 70 grams weight
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof
- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)

1 Secondary winding



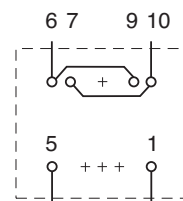
Primary winding

2 Secondary windings



Primary winding

Recommended layout for transformers with 1 secondary winding



(Allows the use of a transformer with 2 secondary windings)



EN 61558-2-6



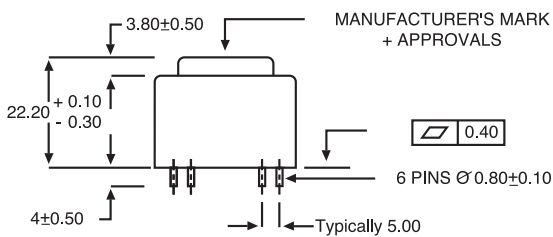
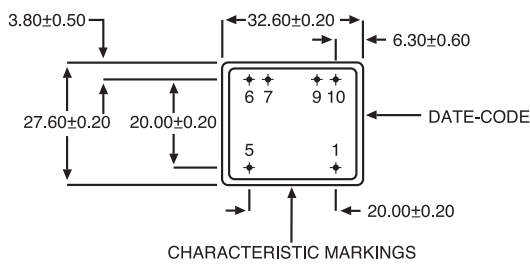
EN 60950

UL 1585

- Insulation voltage 4 KV
- 100 % tested production
- Certification : CCA procedure on request

\*To be noted 2 x 15 V and 2 x 24 V models are non-approved.

Those transformers meet all requirement of EN 61558-2-4



\*\* RECOMMENDED DRILL-HOLE DIAMETER FOR 1,3 mm PINS

## PRIMARY VOLTAGE 230 V

| Protection | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
|            | 44049*    | 6                   | 167                  | 8,6               | T 70 B                 | 1         |
|            | 44050*    | 9                   | 111                  | 12,9              | T 70 B                 | 1         |
|            | 44051*    | 12                  | 83                   | 17,2              | T 70 B                 | 1         |
|            | 44052*    | 15                  | 67                   | 21,6              | T 70 B                 | 1         |
|            | 44053*    | 18                  | 56                   | 25,9              | T 70 B                 | 1         |
|            | 44054*    | 24                  | 42                   | 37,9              | T 70 B                 | 1         |
|            | 44055*    | 2 x 6               | 2 x 83               | 2 x 8,6           | T 70 B                 | 1         |
|            | 44056*    | 2 x 9               | 2 x 56               | 2 x 12,9          | T 70 B                 | 1         |
|            | 44057*    | 2 x 12              | 2 x 42               | 2 x 19            | T 70 B                 | 1         |
|            | 44058*    | 2 x 15              | 2 x 33               | 2 x 23,6          | T 70 B                 | 1         |
|            | 44059*    | 2 x 18              | 2 x 28               | 2 x 24,9          | T 70 B                 | 1         |
|            | 44060**   | 2 x 24              | 2 x 21               | 2 x 37,9          | T 70 B                 | 1         |

\* Items usually available on stock

|  |        |        |     |          |         |     |
|--|--------|--------|-----|----------|---------|-----|
|  | 44326  | 6      | 250 | 10,1     | ta 70/B | 1,5 |
|  | 44327  | 9      | 167 | 15,3     | ta 70/B | 1,5 |
|  | 44328  | 12     | 125 | 20,2     | ta 70/B | 1,5 |
|  | 44329  | 15     | 100 | 25,3     | ta 70/B | 1,5 |
|  | 44330  | 18     | 83  | 31,2     | ta 70/B | 1,5 |
|  | 44331  | 24     | 63  | 43,3     | ta 70/B | 1,5 |
|  | 44332  | 2 x 6  | 125 | 2 x 10,1 | ta 70/B | 1,5 |
|  | 44333  | 2 x 9  | 83  | 2 x 15,3 | ta 70/B | 1,5 |
|  | 44334  | 2 x 12 | 63  | 2 x 20,2 | ta 70/B | 1,5 |
|  | 44335  | 2 x 15 | 50  | 2 x 25,0 | ta 70/B | 1,5 |
|  | 44336* | 2 x 18 | 42  | 2 x 31   | ta 70/B | 1,5 |
|  | 44337* | 2 x 24 | 31  | 2 x 43   | ta 70/B | 1,5 |

|  |        |        |         |          |         |     |
|--|--------|--------|---------|----------|---------|-----|
|  | 44830  | 6      | 300     | 10,1     | ta 70/B | 1,8 |
|  | 44831  | 9      | 200     | 15,2     | ta 70/B | 1,8 |
|  | 44832  | 12     | 150     | 20,3     | ta 70/B | 1,8 |
|  | 44833  | 15     | 120     | 27,3     | ta 70/B | 1,8 |
|  | 44834  | 18     | 100     | 30,4     | ta 70/B | 1,8 |
|  | 44835  | 24     | 75      | 40,6     | ta 70/B | 1,8 |
|  | 44836  | 2 x 6  | 2 x 150 | 2 x 10,1 | ta 70/B | 1,8 |
|  | 44837  | 2 x 9  | 2 x 100 | 2 x 15,2 | ta 70/B | 1,8 |
|  | 44838  | 2 x 12 | 2 x 75  | 2 x 20,3 | ta 70/B | 1,8 |
|  | 44839* | 2 x 15 | 2 x 60  | 2 x 27,3 | ta 70/B | 1,8 |



## PRIMARY VOLTAGE 117 V

| Protection | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
|            | 44097     | 6                   | 250                  | 9,7               | T 70 B                 | 1,5       |
|            | 44098     | 9                   | 167                  | 14,5              | T 70 B                 | 1,5       |
|            | 44099     | 12                  | 125                  | 19,3              | T 70 B                 | 1,5       |
|            | 44100     | 15                  | 100                  | 24,2              | T 70 B                 | 1,5       |
|            | 44101     | 18                  | 83                   | 29,8              | T 70 B                 | 1,5       |
|            | 44102     | 24                  | 63                   | 38,6              | T 70 B                 | 1,5       |
|            | 44103     | 2 X 6               | 2 x 125              | 2 x 9,7           | T 70 B                 | 1,5       |
|            | 44104     | 2 x 9               | 2 x 83               | 2 x 15            | T 70 B                 | 1,5       |
|            | 44105     | 2 x 12              | 2 x 63               | 2 x 19,3          | T 70 B                 | 1,5       |
|            | 44106     | 2 x 15              | 2 x 50               | 2 x 24,2          | T 70 B                 | 1,5       |
|            | 44107     | 2 x 18              | 2 x 42               | 2 x 29            | T 70 B                 | 1,5       |
| 44108      | 2 x 24    | 2 x 31              | 2 x 38,6             | T 70 B            | 1,5                    |           |

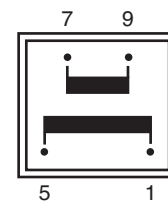
|  |       |        |         |          |        |     |
|--|-------|--------|---------|----------|--------|-----|
|  | 44726 | 6      | 283     | 9,8      | T 50 B | 1,7 |
|  | 44727 | 9      | 189     | 14,8     | T 50 B | 1,7 |
|  | 44728 | 12     | 142     | 19,7     | T 50 B | 1,7 |
|  | 44729 | 15     | 113     | 24,6     | T 50 B | 1,7 |
|  | 44730 | 18     | 94      | 30,3     | T 50 B | 1,7 |
|  | 44731 | 24     | 71      | 39,3     | T 50 B | 1,7 |
|  | 44732 | 2 x 6  | 2 x 142 | 2 x 9,8  | T 50 B | 1,7 |
|  | 44733 | 2 x 9  | 2 x 94  | 2 x 15,2 | T 50 B | 1,7 |
|  | 44734 | 2 x 12 | 2 x 71  | 2 x 19,7 | T 50 B | 1,7 |
|  | 44735 | 2 x 15 | 2 x 57  | 2 x 24,6 | T 50 B | 1,7 |
|  | 44736 | 2 x 18 | 2 x 47  | 2 x 29,5 | T 50 B | 1,7 |
|  | 44737 | 2 x 24 | 2 x 35  | 2 x 39,3 | T 50 B | 1,7 |

|  |       |        |         |          |        |     |
|--|-------|--------|---------|----------|--------|-----|
|  | 44738 | 6      | 300     | 9,8      | T 40 B | 1,8 |
|  | 44739 | 9      | 200     | 14,8     | T 40 B | 1,8 |
|  | 44740 | 12     | 150     | 19,7     | T 40 B | 1,8 |
|  | 44741 | 15     | 120     | 24,6     | T 40 B | 1,8 |
|  | 44742 | 18     | 100     | 30,3     | T 40 B | 1,8 |
|  | 44743 | 24     | 75      | 39,3     | T 40 B | 1,8 |
|  | 44744 | 2 x 6  | 2 x 150 | 2 x 9,8  | T 40 B | 1,8 |
|  | 44745 | 2 x 9  | 2 x 100 | 2 x 15,2 | T 40 B | 1,8 |
|  | 44746 | 2 x 12 | 2 x 75  | 2 x 19,7 | T 40 B | 1,8 |
|  | 44747 | 2 x 15 | 2 x 60  | 2 x 24,6 | T 40 B | 1,8 |
|  | 44748 | 2 x 18 | 2 x 50  | 2 x 29,5 | T 40 B | 1,8 |
|  | 44749 | 2 x 24 | 2 x 38  | 2 x 39,3 | T 40 B | 1,8 |



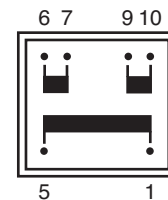
- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 V0
- Degree of protection IP 00
- 80 grams weight
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof
- 30 V model is VDE EN 61558-2-6 certified (production on request)

1 Secondary winding



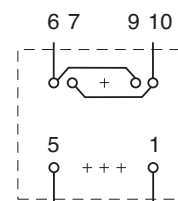
Primary winding

2 Secondary windings



Primary winding

Recommended layout for transformers with 1 secondary winding



(Allows the use of a transformer with 2 secondary windings)

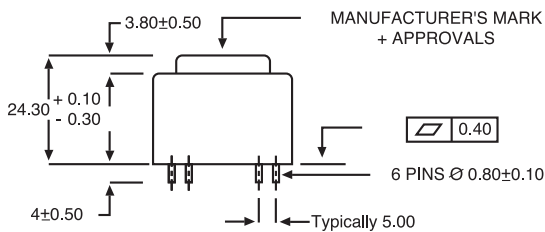
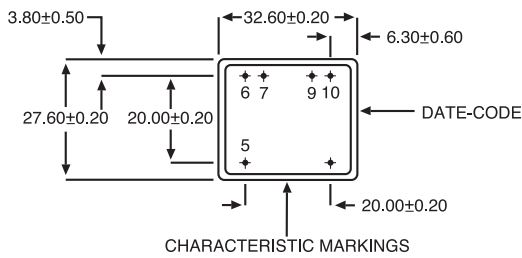
## QUALITY IN SERIES



**KEMA KEUR** EN 61558-2-6 **UL** EN 60950 **UL 1585**

- Insulation voltage 4 KV
- 100 % tested production
- Certification : CCA procedure on request

\*To be noted : 2 x 18 V and 2 x 24 V models are non-approved.  
Those transformers meet all requirement of EN 61558-2-4



\*\* RECOMMENDED DRILL-HOLE DIAMETER FOR 1,3 mm PINS

## PRIMARY VOLTAGE 230 V

| Protection | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
| ⊕          | 44085*    | 6                   | 250                  | 9,7               | T 70 B                 | 1,5       |
|            | 44086*    | 9                   | 167                  | 14,5              | T 70 B                 | 1,5       |
|            | 44087*    | 12                  | 125                  | 19,3              | T 70 B                 | 1,5       |
|            | 44088*    | 15                  | 100                  | 24,2              | T 70 B                 | 1,5       |
|            | 44089*    | 18                  | 83                   | 29,8              | T 70 B                 | 1,5       |
|            | 44090*    | 24                  | 63                   | 38,6              | T 70 B                 | 1,5       |
|            | 44091*    | 2 X 6               | 2 x 125              | 2 x 9,7           | T 70 B                 | 1,5       |
|            | 44092*    | 2 x 9               | 2 x 83               | 2 x 15            | T 70 B                 | 1,5       |
|            | 44093*    | 2 x 12              | 2 x 63               | 2 x 19,3          | T 70 B                 | 1,5       |
|            | 44094*    | 2 x 15              | 2 x 50               | 2 x 24,2          | T 70 B                 | 1,5       |
|            | 44095**   | 2 x 18              | 2 x 42               | 2 x 29            | T 70 B                 | 1,5       |
|            | 44096**   | 2 x 24              | 2 x 31               | 2 x 38,6          | T 70 B                 | 1,5       |

\* Items usually available on stock

|   |        |        |         |          |        |     |
|---|--------|--------|---------|----------|--------|-----|
| ⊕ | 44647  | 6      | 283     | 9,8      | T 50 B | 1,7 |
|   | 44648  | 9      | 189     | 14,8     | T 50 B | 1,7 |
|   | 44649  | 12     | 142     | 19,7     | T 50 B | 1,7 |
|   | 44650  | 15     | 113     | 24,6     | T 50 B | 1,7 |
|   | 44651  | 18     | 94      | 30,3     | T 50 B | 1,7 |
|   | 44652  | 24     | 71      | 39,3     | T 50 B | 1,7 |
|   | 44653  | 2 x 6  | 2 x 142 | 2 x 9,8  | T 50 B | 1,7 |
|   | 44654  | 2 x 9  | 2 x 94  | 2 x 15,2 | T 50 B | 1,7 |
|   | 44655  | 2 x 12 | 2 x 71  | 2 x 19,7 | T 50 B | 1,7 |
|   | 44656  | 2 x 15 | 2 x 57  | 2 x 24,6 | T 50 B | 1,7 |
|   | 44483* | 2 x 18 | 2 x 47  | 2 x 29,5 | T 50 B | 1,7 |
|   | 44484* | 2 x 24 | 2 x 35  | 2 x 39,3 | T 50 B | 1,7 |

|   |        |        |         |          |        |     |
|---|--------|--------|---------|----------|--------|-----|
| ⊕ | 44657  | 6      | 300     | 9,8      | T 40 B | 1,8 |
|   | 44658  | 9      | 200     | 14,8     | T 40 B | 1,8 |
|   | 44659  | 12     | 150     | 19,7     | T 40 B | 1,8 |
|   | 44660  | 15     | 120     | 24,6     | T 40 B | 1,8 |
|   | 44661  | 18     | 100     | 30,3     | T 40 B | 1,8 |
|   | 44662  | 24     | 75      | 39,3     | T 40 B | 1,8 |
|   | 44663  | 2 x 6  | 2 x 150 | 2 x 9,8  | T 40 B | 1,8 |
|   | 44664  | 2 x 9  | 2 x 100 | 2 x 15,2 | T 40 B | 1,8 |
|   | 44665  | 2 x 12 | 2 x 75  | 2 x 19,7 | T 40 B | 1,8 |
|   | 44666  | 2 x 15 | 2 x 60  | 2 x 24,6 | T 40 B | 1,8 |
|   | 44485* | 2 x 18 | 2 x 50  | 2 x 29,5 | T 40 B | 1,8 |
|   | 44486* | 2 x 24 | 2 x 38  | 2 x 39,3 | T 40 B | 1,8 |



## PRIMARY VOLTAGE 117 V

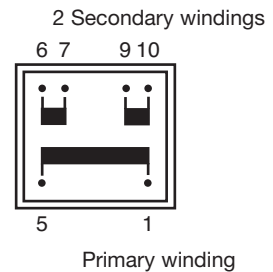
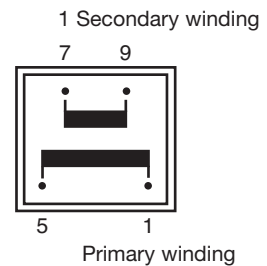
| Protection | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
|            | 44133     | 6                   | 333                  | 10,4              | T 70 B                 | 2         |
|            | 44134     | 9                   | 222                  | 15,5              | T 70 B                 | 2         |
|            | 44135     | 12                  | 167                  | 20,7              | T 70 B                 | 2         |
|            | 44136     | 15                  | 133                  | 25,8              | T 70 B                 | 2         |
|            | 44137     | 18                  | 111                  | 30,8              | T 70 B                 | 2         |
|            | 44138     | 24                  | 83                   | 41,4              | T 70 B                 | 2         |
|            | 44139     | 2 X 6               | 2 x 167              | 2 x 10,4          | T 70 B                 | 2         |
|            | 44140     | 2 x 9               | 2 x 111              | 2 x 15,4          | T 70 B                 | 2         |
|            | 44141     | 2 x 12              | 2 x 83               | 2 x 20,7          | T 70 B                 | 2         |
|            | 44142     | 2 x 15              | 2 x 67               | 2 x 25,8          | T 70 B                 | 2         |
|            | 44143     | 2 x 18              | 2 x 56               | 2 x 30,8          | T 70 B                 | 2         |
|            | 44144     | 2 x 24              | 2 x 42               | 2 x 41,4          | T 70 B                 | 2         |

|  |       |        |         |          |        |     |
|--|-------|--------|---------|----------|--------|-----|
|  | 44750 | 6      | 383     | 10,5     | T 50 B | 2,3 |
|  | 44751 | 9      | 256     | 15,5     | T 50 B | 2,3 |
|  | 44752 | 12     | 192     | 21       | T 50 B | 2,3 |
|  | 44753 | 15     | 153     | 25,3     | T 50 B | 2,3 |
|  | 44754 | 18     | 128     | 31       | T 50 B | 2,3 |
|  | 44755 | 24     | 96      | 42       | T 50 B | 2,3 |
|  | 44756 | 2 x 6  | 2 x 192 | 2 x 10,5 | T 50 B | 2,3 |
|  | 44757 | 2 x 9  | 2 x 128 | 2 x 15,5 | T 50 B | 2,3 |
|  | 44758 | 2 x 12 | 2 x 96  | 2 x 21   | T 50 B | 2,3 |
|  | 44759 | 2 x 15 | 2 x 77  | 2 x 24,5 | T 50 B | 2,3 |
|  | 44760 | 2 x 18 | 2 x 64  | 2 x 31   | T 50 B | 2,3 |
|  | 44761 | 2 x 24 | 2 x 48  | 2 x 42   | T 50 B | 2,3 |

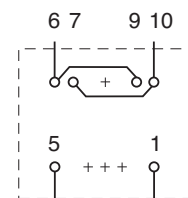
|  |       |        |         |          |        |     |
|--|-------|--------|---------|----------|--------|-----|
|  | 44762 | 6      | 400     | 10,5     | T 40 B | 2,4 |
|  | 44763 | 9      | 267     | 15,5     | T 40 B | 2,4 |
|  | 44764 | 12     | 200     | 21       | T 40 B | 2,4 |
|  | 44765 | 15     | 160     | 25,3     | T 40 B | 2,4 |
|  | 44766 | 18     | 133     | 31       | T 40 B | 2,4 |
|  | 44767 | 24     | 100     | 42       | T 40 B | 2,4 |
|  | 44768 | 2 x 6  | 2 x 200 | 2 x 10,5 | T 40 B | 2,4 |
|  | 44769 | 2 x 9  | 2 x 133 | 2 x 15,5 | T 40 B | 2,4 |
|  | 44770 | 2 x 12 | 2 x 100 | 2 x 21   | T 40 B | 2,4 |
|  | 44771 | 2 x 15 | 2 x 80  | 2 x 24,5 | T 40 B | 2,4 |
|  | 44772 | 2 x 18 | 2 x 67  | 2 x 31   | T 40 B | 2,4 |
|  | 44773 | 2 x 24 | 2 x 50  | 2 x 42   | T 40 B | 2,4 |



- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 V0
- Degree of protection IP 00
- 100 grams weight
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof
- 30 V model is VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV



Recommended layout for transformers with 1 secondary winding



(Allows the use of a transformer with 2 secondary windings)



EN 61558-2-6 EN 60950 UL 1585

- 100 % tested production
- Certification : CCA procedure on request

\*To be noted : 2 x 18 V and 2 x 24 V models are non-approved.

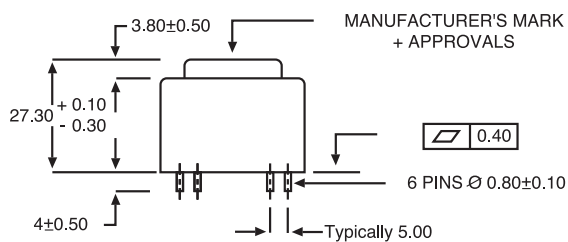
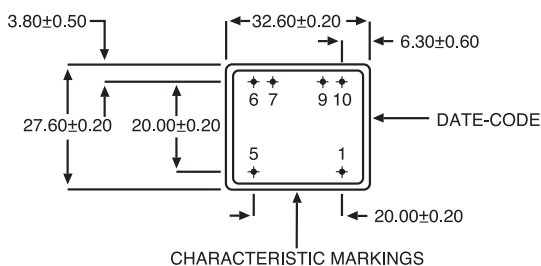
Those transformers meet all requirement of EN 61558-2-4

| PRIMARY VOLTAGE<br>230 V |           |                     |                      |                   |                        |           |
|--------------------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
| Protection               | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|                          | 44121*    | 6                   | 333                  | 10,4              | T 70 B                 | 2         |
|                          | 44122*    | 9                   | 222                  | 15,5              | T 70 B                 | 2         |
|                          | 44123*    | 12                  | 167                  | 20,7              | T 70 B                 | 2         |
|                          | 44124*    | 15                  | 133                  | 25,8              | T 70 B                 | 2         |
|                          | 44125*    | 18                  | 111                  | 30,8              | T 70 B                 | 2         |
|                          | 44126*    | 24                  | 83                   | 41,4              | T 70 B                 | 2         |
|                          | 44127*    | 2 X 6               | 2 x 167              | 2 x 10,4          | T 70 B                 | 2         |
|                          | 44128*    | 2 x 9               | 2 x 111              | 2 x 15,4          | T 70 B                 | 2         |
|                          | 44129*    | 2 x 12              | 2 x 83               | 2 x 20,7          | T 70 B                 | 2         |
|                          | 44130*    | 2 x 15              | 2 x 67               | 2 x 25,8          | T 70 B                 | 2         |
|                          | 44131**   | 2 x 18              | 2 x 56               | 2 x 30,8          | T 70 B                 | 2         |
|                          | 44132**   | 2 x 24              | 2 x 42               | 2 x 41,4          | T 70 B                 | 2         |

\* Items usually available on stock

|  |        |        |         |          |        |     |
|--|--------|--------|---------|----------|--------|-----|
|  | 44667  | 6      | 383     | 10,5     | T 50 B | 2,3 |
|  | 44668  | 9      | 256     | 15,5     | T 50 B | 2,3 |
|  | 44669  | 12     | 192     | 21       | T 50 B | 2,3 |
|  | 44670  | 15     | 153     | 25,3     | T 50 B | 2,3 |
|  | 44671  | 18     | 128     | 31       | T 50 B | 2,3 |
|  | 44672  | 24     | 96      | 42       | T 50 B | 2,3 |
|  | 44673  | 2 x 6  | 2 x 192 | 2 x 10,5 | T 50 B | 2,3 |
|  | 44674  | 2 x 9  | 2 x 128 | 2 x 15,5 | T 50 B | 2,3 |
|  | 44675  | 2 x 12 | 2 x 96  | 2 x 21   | T 50 B | 2,3 |
|  | 44676  | 2 x 15 | 2 x 77  | 2 x 24,5 | T 50 B | 2,3 |
|  | 44487* | 2 x 18 | 2 x 64  | 2 x 31   | T 50 B | 2,3 |
|  | 44488* | 2 x 24 | 2 x 48  | 2 x 42   | T 50 B | 2,3 |

|  |        |        |         |          |        |     |
|--|--------|--------|---------|----------|--------|-----|
|  | 44677  | 6      | 400     | 10,5     | T 40 B | 2,4 |
|  | 44678  | 9      | 267     | 15,5     | T 40 B | 2,4 |
|  | 44679  | 12     | 200     | 21       | T 40 B | 2,4 |
|  | 44680  | 15     | 160     | 25,3     | T 40 B | 2,4 |
|  | 44681  | 18     | 133     | 31       | T 40 B | 2,4 |
|  | 44682  | 24     | 100     | 42       | T 40 B | 2,4 |
|  | 44683  | 2 x 6  | 2 x 200 | 2 x 10,5 | T 40 B | 2,4 |
|  | 44684  | 2 x 9  | 2 x 133 | 2 x 15,5 | T 40 B | 2,4 |
|  | 44685  | 2 x 12 | 2 x 100 | 2 x 21   | T 40 B | 2,4 |
|  | 44686  | 2 x 15 | 2 x 80  | 2 x 24,5 | T 40 B | 2,4 |
|  | 44489* | 2 x 18 | 2 x 67  | 2 x 31   | T 40 B | 2,4 |
|  | 44490* | 2 x 24 | 2 x 50  | 2 x 42   | T 40 B | 2,4 |



\*\* RECOMMENDED DRILL-HOLE DIAMETER FOR 1.3 mm PINS

ENCAPSULATED TRANSFORMERS  
44000 SERIES



## PRIMARY VOLTAGE 117 V

| Protection | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
|            | 44169     | 6                   | 383                  | 10,5              | T 70 B                 | 2,3       |
|            | 44170     | 9                   | 256                  | 15,7              | T 70 B                 | 2,3       |
|            | 44171     | 12                  | 192                  | 21                | T 70 B                 | 2,3       |
|            | 44172     | 15                  | 153                  | 25,9              | T 70 B                 | 2,3       |
|            | 44173     | 18                  | 128                  | 31,4              | T 70 B                 | 2,3       |
|            | 44174     | 24                  | 96                   | 41,9              | T 70 B                 | 2,3       |
|            | 44175     | 2 X 6               | 2 x 192              | 2 x 10,5          | T 70 B                 | 2,3       |
|            | 44176     | 2 x 9               | 2 x 128              | 2 x 15,7          | T 70 B                 | 2,3       |
|            | 44177     | 2 x 12              | 2 x 96               | 2 x 21            | T 70 B                 | 2,3       |
|            | 44178     | 2 x 15              | 2 x 77               | 2 x 25,9          | T 70 B                 | 2,3       |
|            | 44179     | 2 x 18              | 2 x 64               | 2 x 31,4          | T 70 B                 | 2,3       |
|            | 44180     | 2 x 24              | 2 x 48               | 2 x 41,9          | T 70 B                 | 2,3       |

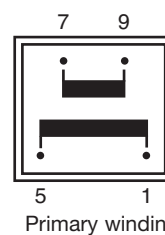
|  |       |        |         |          |        |     |
|--|-------|--------|---------|----------|--------|-----|
|  | 44774 | 6      | 450     | 10,5     | T 50 B | 2,7 |
|  | 44775 | 9      | 300     | 15,4     | T 50 B | 2,7 |
|  | 44776 | 12     | 225     | 21,1     | T 50 B | 2,7 |
|  | 44777 | 15     | 180     | 26,3     | T 50 B | 2,7 |
|  | 44778 | 18     | 150     | 30,9     | T 50 B | 2,7 |
|  | 44779 | 24     | 113     | 42       | T 50 B | 2,7 |
|  | 44780 | 2 x 6  | 2 x 225 | 2 x 10,5 | T 50 B | 2,7 |
|  | 44781 | 2 x 9  | 2 x 150 | 2 x 15,4 | T 50 B | 2,7 |
|  | 44782 | 2 x 12 | 2 x 113 | 2 x 21,1 | T 50 B | 2,7 |
|  | 44783 | 2 x 15 | 2 x 90  | 2 x 26,3 | T 50 B | 2,7 |
|  | 44784 | 2 x 18 | 2 x 75  | 2 x 31,5 | T 50 B | 2,7 |
|  | 44785 | 2 x 24 | 2 x 56  | 2 x 42,1 | T 50 B | 2,7 |

|  |       |        |         |          |        |     |
|--|-------|--------|---------|----------|--------|-----|
|  | 44786 | 6      | 467     | 10,5     | T 40 B | 2,8 |
|  | 44787 | 9      | 311     | 15,4     | T 40 B | 2,8 |
|  | 44788 | 12     | 233     | 21,1     | T 40 B | 2,8 |
|  | 44789 | 15     | 187     | 26,3     | T 40 B | 2,8 |
|  | 44790 | 18     | 156     | 30,9     | T 40 B | 2,8 |
|  | 44791 | 24     | 117     | 42,1     | T 40 B | 2,8 |
|  | 44792 | 2 x 6  | 2 x 233 | 2 x 10,5 | T 40 B | 2,8 |
|  | 44793 | 2 x 9  | 2 x 156 | 2 x 15,4 | T 40 B | 2,8 |
|  | 44794 | 2 x 12 | 2 x 117 | 2 x 21,1 | T 40 B | 2,8 |
|  | 44795 | 2 x 15 | 2 x 93  | 2 x 26,3 | T 40 B | 2,8 |
|  | 44796 | 2 x 18 | 2 x 77  | 2 x 31,5 | T 40 B | 2,8 |
|  | 44797 | 2 x 24 | 2 x 58  | 2 x 42,1 | T 40 B | 2,8 |

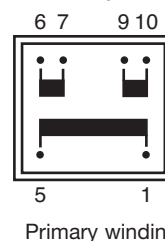


- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 V0
- Degree of protection IP 00
- 70 grams weight
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof
- 30 V model is VDE EN 61558-2-6 certified (production on request)

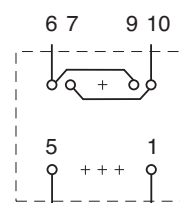
1 Secondary winding



2 Secondary windings



Recommended layout for transformers with 1 secondary winding



(Allows the use of a transformer with 2 secondary windings)

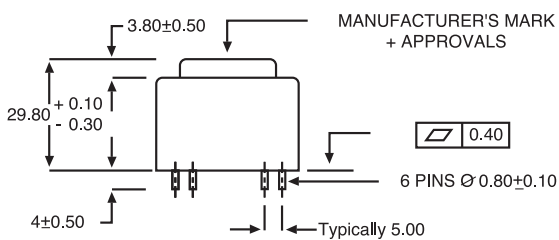
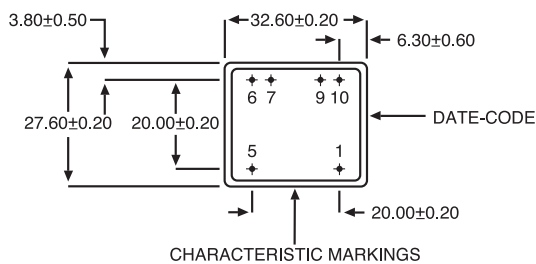




**KEMA** EN 61558-2-6 **Y** EN 60950 **UL 1585**

- Insulation voltage 4 KV
- 100 % tested production
- Certification : CCA procedure on request

\*To be noted : 2 x 18 V and 2 x 24 V models are non-approved.  
Those transformers meet all requirement of EN 61558-2-4



\*\* RECOMMENDED DRILL-HOLE DIAMETER FOR 1.3 mm PINS

## PRIMARY VOLTAGE 230 V

| Protection | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
|            | 44157*    | 6                   | 383                  | 10,5              | T 70 B                 | 2,3       |
|            | 44158*    | 9                   | 256                  | 15,7              | T 70 B                 | 2,3       |
|            | 44159*    | 12                  | 192                  | 21                | T 70 B                 | 2,3       |
|            | 44160*    | 15                  | 153                  | 25,9              | T 70 B                 | 2,3       |
|            | 44161*    | 18                  | 128                  | 31,4              | T 70 B                 | 2,3       |
|            | 44162*    | 24                  | 96                   | 41,9              | T 70 B                 | 2,3       |
|            | 44163*    | 2 X 6               | 2 x 192              | 2 x 10,5          | T 70 B                 | 2,3       |
|            | 44164*    | 2 x 9               | 2 x 128              | 2 x 15,7          | T 70 B                 | 2,3       |
|            | 44165*    | 2 x 12              | 2 x 96               | 2 x 21            | T 70 B                 | 2,3       |
|            | 44166*    | 2 x 15              | 2 x 77               | 2 x 25,9          | T 70 B                 | 2,3       |
|            | 44167**   | 2 x 18              | 2 x 64               | 2 x 31,4          | T 70 B                 | 2,3       |
|            | 44168**   | 2 x 24              | 2 x 48               | 2 x 41,9          | T 70 B                 | 2,3       |

\* Items usually available on stock

|  |        |        |         |          |        |     |
|--|--------|--------|---------|----------|--------|-----|
|  | 44687  | 6      | 450     | 10,5     | T 50 B | 2,7 |
|  | 44688  | 9      | 300     | 15,4     | T 50 B | 2,7 |
|  | 44689  | 12     | 225     | 21,1     | T 50 B | 2,7 |
|  | 44690  | 15     | 180     | 26,3     | T 50 B | 2,7 |
|  | 44691  | 18     | 150     | 30,9     | T 50 B | 2,7 |
|  | 44692  | 24     | 113     | 42       | T 50 B | 2,7 |
|  | 44693  | 2 x 6  | 2 x 225 | 2 x 10,5 | T 50 B | 2,7 |
|  | 44694  | 2 x 9  | 2 x 150 | 2 x 15,4 | T 50 B | 2,7 |
|  | 44695  | 2 x 12 | 2 x 113 | 2 x 21,1 | T 50 B | 2,7 |
|  | 44696  | 2 x 15 | 2 x 90  | 2 x 26,3 | T 50 B | 2,7 |
|  | 44491* | 2 x 18 | 2 x 75  | 2 x 31,5 | T 50 B | 2,7 |
|  | 44492* | 2 x 24 | 2 x 56  | 2 x 42,1 | T 50 B | 2,7 |

|  |        |        |         |          |        |     |
|--|--------|--------|---------|----------|--------|-----|
|  | 44697  | 6      | 467     | 10,5     | T 40 B | 2,8 |
|  | 44698  | 9      | 311     | 15,4     | T 40 B | 2,8 |
|  | 44699  | 12     | 233     | 21,1     | T 40 B | 2,8 |
|  | 44700  | 15     | 187     | 26,3     | T 40 B | 2,8 |
|  | 44701  | 18     | 156     | 30,9     | T 40 B | 2,8 |
|  | 44702  | 24     | 117     | 42,1     | T 40 B | 2,8 |
|  | 44703  | 2 x 6  | 2 x 233 | 2 x 10,5 | T 40 B | 2,8 |
|  | 44704  | 2 x 9  | 2 x 156 | 2 x 15,4 | T 40 B | 2,8 |
|  | 44705  | 2 x 12 | 2 x 117 | 2 x 21,1 | T 40 B | 2,8 |
|  | 44706  | 2 x 15 | 2 x 93  | 2 x 26,3 | T 40 B | 2,8 |
|  | 44493* | 2 x 18 | 2 x 70  | 2 x 31,5 | T 40 B | 2,8 |
|  | 44494* | 2 x 24 | 2 x 58  | 2 x 42,1 | T 40 B | 2,8 |

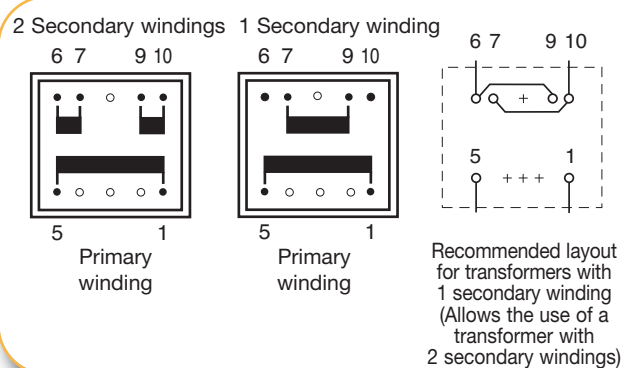


## PRIMARY VOLTAGE 117 V

| Secondary protection mA | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|-------------------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
| 630                     | 44205     | 6                   | 533                  | 8                 | T 70 B                 | 3,2       |
| 400                     | 44206     | 9                   | 356                  | 12                | T 70 B                 | 3,2       |
| 315                     | 44207     | 12                  | 267                  | 16                | T 70 B                 | 3,2       |
| 250                     | 44208     | 15                  | 213                  | 20                | T 70 B                 | 3,2       |
| 200                     | 44209     | 18                  | 178                  | 24,1              | T 70 B                 | 3,2       |
| 160                     | 44210     | 24                  | 133                  | 32,1              | T 70 B                 | 3,2       |
| 315                     | 44211     | 2 x 6               | 2 x 267              | 2 x 8             | T 70 B                 | 3,2       |
| 200                     | 44212     | 2 x 9               | 2 x 178              | 2 x 12            | T 70 B                 | 3,2       |
| 160                     | 44213     | 2 x 12              | 2 x 133              | 2 x 16            | T 70 B                 | 3,2       |
| 125                     | 44214     | 2 x 15              | 2 x 107              | 2 x 20            | T 70 B                 | 3,2       |
| 100                     | 44215     | 2 x 18              | 2 x 89               | 2 x 24            | T 70 B                 | 3,2       |
| 80                      | 44216     | 2 x 24              | 2 x 67               | 2 x 32,1          | T 70 B                 | 3,2       |



- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 V0
- Degree of protection IP 00
- 150 grams weight
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on secondary side (see diagram) to be assumed by customer

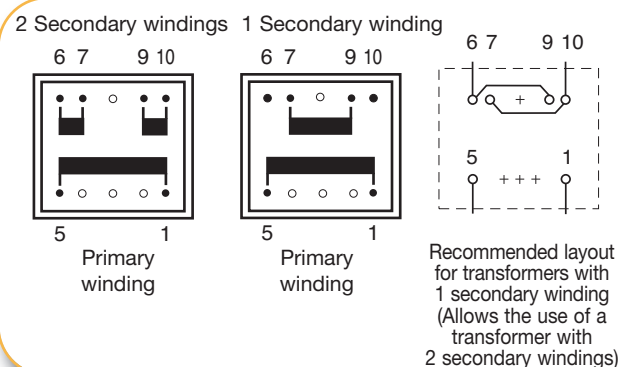


## PRIMARY VOLTAGE 117 V

| Secondary protection mA | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|-------------------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
| 800                     | 44241     | 6                   | 833                  | 8,4               | T 50 B                 | 5         |
| 630                     | 44242     | 9                   | 556                  | 12,6              | T 50 B                 | 5         |
| 400                     | 44243     | 12                  | 417                  | 16,9              | T 50 B                 | 5         |
| 315                     | 44244     | 15                  | 333                  | 21                | T 50 B                 | 5         |
| 315                     | 44245     | 18                  | 278                  | 25,3              | T 50 B                 | 5         |
| 200                     | 44246     | 24                  | 208                  | 33,7              | T 50 B                 | 5         |
| 400                     | 44247     | 2 x 6               | 2 x 417              | 2 x 8,4           | T 50 B                 | 5         |
| 315                     | 44248     | 2 x 9               | 2 x 278              | 2 x 12,6          | T 50 B                 | 5         |
| 200                     | 44249     | 2 x 12              | 2 x 208              | 2 x 16,9          | T 50 B                 | 5         |
| 160                     | 44250     | 2 x 15              | 2 x 167              | 2 x 21            | T 50 B                 | 5         |
| 160                     | 44251     | 2 x 18              | 2 x 139              | 2 x 25,3          | T 50 B                 | 5         |
| 100                     | 44252     | 2 x 24              | 2 x 104              | 2 x 33,7          | T 50 B                 | 5         |



- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 V0
- Degree of protection IP 00
- 200 grams weight
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on secondary side (see diagram) to be assumed by customer



3,2 VA

EI 38-13,6

SERIE 44000

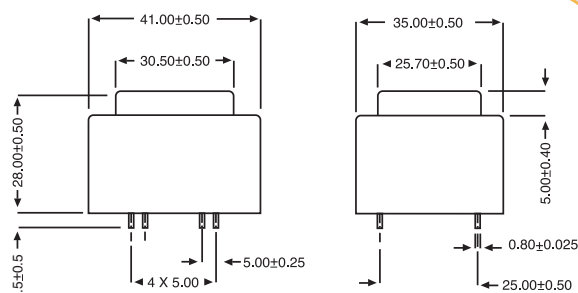


OVE **KEMA KEUR** EN 61558-2-6 **Y** EN 60950

- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100 % tested production
- Certification : CCA procedure on request

\*To be noted : 2 x 24 V model is non-approved.

Those transformers meet all requirement of EN 61558-2-4



\*\* RECOMMENDED DRILL-HOLE DIAMETER FOR 1,3 mm PINS

## PRIMARY VOLTAGE 230 V

| Secondary protection mA | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|-------------------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
| 630                     | 44193     | 6                   | 533                  | 8                 | T 70 B                 | 3,2       |
| 400                     | 44194     | 9                   | 356                  | 12                | T 70 B                 | 3,2       |
| 315                     | 44195     | 12                  | 267                  | 16                | T 70 B                 | 3,2       |
| 250                     | 44196     | 15                  | 213                  | 20                | T 70 B                 | 3,2       |
| 200                     | 44197     | 18                  | 178                  | 24,1              | T 70 B                 | 3,2       |
| 160                     | 44198     | 24                  | 133                  | 32,1              | T 70 B                 | 3,2       |
| 315                     | 44199     | 2 x 6               | 2 x 267              | 2 x 8             | T 70 B                 | 3,2       |
| 200                     | 44200     | 2 x 9               | 2 x 178              | 2 x 12            | T 70 B                 | 3,2       |
| 160                     | 44201     | 2 x 12              | 2 x 133              | 2 x 16            | T 70 B                 | 3,2       |
| 125                     | 44202     | 2 x 15              | 2 x 107              | 2 x 20            | T 70 B                 | 3,2       |
| 100                     | 44203     | 2 x 18              | 2 x 89               | 2 x 24            | T 70 B                 | 3,2       |
| 80                      | 44204*    | 2 x 24              | 2 x 67               | 2 x 32,1          | T 70 B                 | 3,2       |

5 VA

EI 42-14,8

SERIE 44000

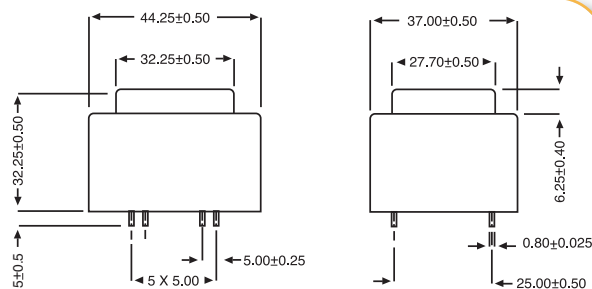


OVE **KEMA KEUR** EN 61558-2-6 **Y** EN 60950

- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100 % tested production
- Certification : CCA procedure on request

\*To be noted : 2 x 24 V model is non-approved.

Those transformers meet all requirement of EN 61558-2-4



\*\* RECOMMENDED DRILL-HOLE DIAMETER FOR 1,3 mm PINS

## PRIMARY VOLTAGE 230 V

| Secondary protection mA | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|-------------------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
| 800                     | 44229     | 6                   | 833                  | 8,4               | T 50 B                 | 5         |
| 630                     | 44230     | 9                   | 556                  | 12,6              | T 50 B                 | 5         |
| 400                     | 44231     | 12                  | 417                  | 16,9              | T 50 B                 | 5         |
| 315                     | 44232     | 15                  | 333                  | 21                | T 50 B                 | 5         |
| 315                     | 44233     | 18                  | 278                  | 25,3              | T 50 B                 | 5         |
| 200                     | 44234     | 24                  | 208                  | 33,7              | T 50 B                 | 5         |
| 400                     | 44235     | 2 x 6               | 2 x 417              | 2 x 8,4           | T 50 B                 | 5         |
| 315                     | 44236     | 2 x 9               | 2 x 278              | 2 x 12,6          | T 50 B                 | 5         |
| 200                     | 44237     | 2 x 12              | 2 x 208              | 2 x 16,9          | T 50 B                 | 5         |
| 160                     | 44238     | 2 x 15              | 2 x 167              | 2 x 21            | T 50 B                 | 5         |
| 160                     | 44239     | 2 x 18              | 2 x 139              | 2 x 25,3          | T 50 B                 | 5         |
| 100                     | 44240*    | 2 x 24              | 2 x 104              | 2 x 33,7          | T 50 B                 | 5         |

ENCAPSULATED TRANSFORMERS

44000 SERIES



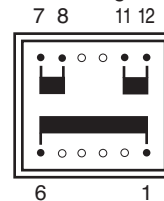
## PRIMARY VOLTAGE 117 V

| Primary protection mA | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|-----------------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
| 125                   | 44277     | 6                   | 1667                 | 7,2               | T 50 B                 | 10        |
| 125                   | 44278     | 9                   | 1111                 | 10,8              | T 50 B                 | 10        |
| 125                   | 44279     | 12                  | 833                  | 14,4              | T 50 B                 | 10        |
| 125                   | 44280     | 15                  | 667                  | 18,1              | T 50 B                 | 10        |
| 125                   | 44281     | 18                  | 556                  | 21,6              | T 50 B                 | 10        |
| 125                   | 44282     | 24                  | 417                  | 28,9              | T 50 B                 | 10        |
| 125                   | 44283     | 2 x 6               | 2 x 833              | 2 x 7,2           | T 50 B                 | 10        |
| 125                   | 44284     | 2 x 9               | 2 x 556              | 2 x 10,8          | T 50 B                 | 10        |
| 125                   | 44285     | 2 x 12              | 2 x 417              | 2 x 14,4          | T 50 B                 | 10        |
| 125                   | 44286     | 2 x 15              | 2 x 333              | 2 x 18,1          | T 50 B                 | 10        |
| 125                   | 44287     | 2 x 18              | 2 x 278              | 2 x 21,6          | T 50 B                 | 10        |
| 125                   | 44288     | 2 x 24              | 2 x 208              | 2 x 28,9          | T 50 B                 | 10        |



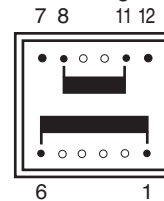
- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 V0
- Degree of protection IP 00
- 300 grams weight
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on primary side (see diagram) to be assumed by customer

2 Secondary windings

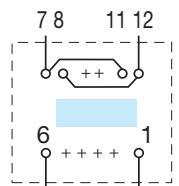


Primary winding

1 Secondary winding



Primary winding



Recommended layout for transformers with 1 secondary winding (Allows the use of a transformer with 2 secondary windings)



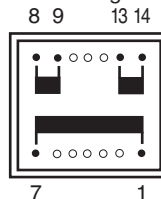
## PRIMARY VOLTAGE 117 V

| Secondary protection mA | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|-------------------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
| 2,5                     | 44313     | 6                   | 2667                 | 7,4               | T 50 B                 | 16        |
| 2,0                     | 44314     | 9                   | 1778                 | 11,1              | T 50 B                 | 16        |
| 1,25                    | 44315     | 12                  | 1333                 | 14,7              | T 50 B                 | 16        |
| 1                       | 44316     | 15                  | 1067                 | 18,4              | T 50 B                 | 16        |
| 1                       | 44317     | 18                  | 889                  | 22,1              | T 50 B                 | 16        |
| 0,63                    | 44318     | 24                  | 667                  | 29,3              | T 50 B                 | 16        |
| 1,25                    | 44319     | 2 x 6               | 2 x 1333             | 2 x 7,4           | T 50 B                 | 16        |
| 1                       | 44320     | 2 x 9               | 2 x 889              | 2 x 11,1          | T 50 B                 | 16        |
| 0,63                    | 44321     | 2 x 12              | 2 x 667              | 2 x 14,7          | T 50 B                 | 16        |
| 0,5                     | 44322     | 2 x 15              | 2 x 533              | 2 x 18,4          | T 50 B                 | 16        |
| 0,5                     | 44323     | 2 x 18              | 2 x 444              | 2 x 22            | T 50 B                 | 16        |
| 0,315                   | 44324     | 2 x 24              | 2 x 333              | 2 x 29,3          | T 50 B                 | 16        |



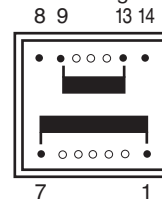
- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 V0
- Degree of protection IP 00
- 400 grams weight
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on secondary side (see diagram) to be assumed by customer

2 Secondary windings

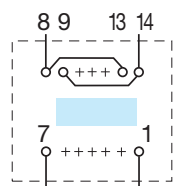


Primary winding

1 Secondary winding



Primary winding



Recommended layout for transformers with 1 secondary winding (Allows the use of a transformer with 2 secondary windings)



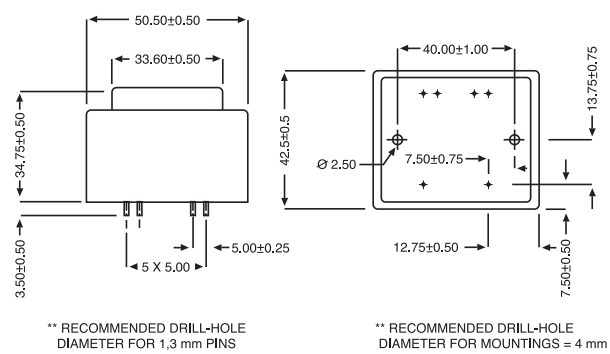


**EN 61558-2-6**

**EN 60950**

- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100 % tested production
- Certification : CCA procedure on request

\*To be noted : 2 x 24 V model is non-approved. Those transformers meet all requirement of EN 61558-2-4



## PRIMARY VOLTAGE 230 V

| Primary protection mA | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|-----------------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
| 63                    | 44265     | 6                   | 1667                 | 7,2               | T 50 B                 | 10        |
| 63                    | 44266     | 9                   | 1111                 | 10,8              | T 50 B                 | 10        |
| 63                    | 44267     | 12                  | 833                  | 14,4              | T 50 B                 | 10        |
| 63                    | 44268     | 15                  | 667                  | 18,1              | T 50 B                 | 10        |
| 63                    | 44269     | 18                  | 556                  | 21,6              | T 50 B                 | 10        |
| 63                    | 44270     | 24                  | 417                  | 28,9              | T 50 B                 | 10        |
| 63                    | 44271     | 2 x 6               | 2 x 833              | 2 x 7,2           | T 50 B                 | 10        |
| 63                    | 44272     | 2 x 9               | 2 x 556              | 2 x 10,8          | T 50 B                 | 10        |
| 63                    | 44273     | 2 x 12              | 2 x 417              | 2 x 14,4          | T 50 B                 | 10        |
| 63                    | 44274     | 2 x 15              | 2 x 333              | 2 x 18,1          | T 50 B                 | 10        |
| 63                    | 44275     | 2 x 18              | 2 x 278              | 2 x 21,6          | T 50 B                 | 10        |
| 63                    | 44276*    | 2 x 24              | 2 x 208              | 2 x 28,9          | T 50 B                 | 10        |



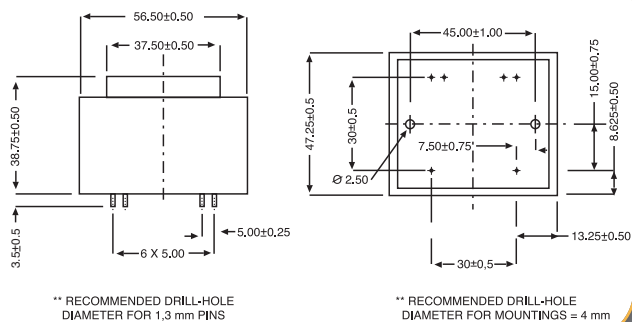


**EN 61558-2-6**

**EN 60950**

- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100 % tested production
- Certification : CCA procedure on request

\*To be noted : 2 x 24 V model is non-approved. Those transformers meet all requirement of EN 61558-2-4



## PRIMARY VOLTAGE 230 V

| Secondary protection mA | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|-------------------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
| 2,500                   | 44301     | 6                   | 2667                 | 7,4               | T 50 B                 | 16        |
| 2,000                   | 44302     | 9                   | 1778                 | 11,1              | T 50 B                 | 16        |
| 1,25                    | 44303     | 12                  | 1333                 | 14,7              | T 50 B                 | 16        |
| 1                       | 44304     | 15                  | 1067                 | 18,4              | T 50 B                 | 16        |
| 1                       | 44305     | 18                  | 889                  | 22,1              | T 50 B                 | 16        |
| 0,63                    | 44306     | 24                  | 667                  | 29,3              | T 50 B                 | 16        |
| 1,25                    | 44307     | 2 x 6               | 2 x 1333             | 2 x 7,4           | T 50 B                 | 16        |
| 1                       | 44308     | 2 x 9               | 2 x 889              | 2 x 11,1          | T 50 B                 | 16        |
| 0,63                    | 44309     | 2 x 12              | 2 x 667              | 2 x 14,7          | T 50 B                 | 16        |
| 0,5                     | 44310     | 2 x 15              | 2 x 533              | 2 x 18,4          | T 50 B                 | 16        |
| 0,5                     | 44311     | 2 x 18              | 2 x 444              | 2 x 22            | T 50 B                 | 16        |
| 0,315                   | 44312*    | 2 x 24              | 2 x 333              | 2 x 29,3          | T 50 B                 | 16        |

ENCAPSULATED TRANSFORMERS

44000 SERIES

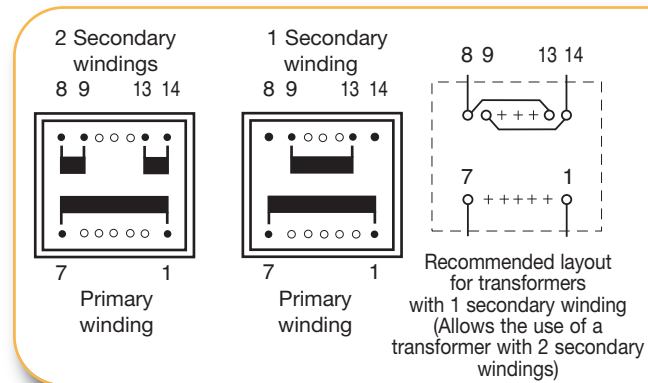


## PRIMARY VOLTAGE 117 V

| Primary protection mA | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|-----------------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
| 250                   | 44444     | 6                   | 3667                 | 6,8               | T 50 B                 | 22        |
| 250                   | 44445     | 9                   | 2444                 | 10,3              | T 50 B                 | 22        |
| 250                   | 44446     | 12                  | 1833                 | 13,7              | T 50 B                 | 22        |
| 250                   | 44447     | 15                  | 1467                 | 17,1              | T 50 B                 | 22        |
| 250                   | 44448     | 18                  | 1222                 | 20,5              | T 50 B                 | 22        |
| 250                   | 44449     | 24                  | 917                  | 27,3              | T 50 B                 | 22        |
| 250                   | 44450     | 2 x 6               | 2 x 1833             | 2 x 6,8           | T 50 B                 | 22        |
| 250                   | 44451     | 2 x 9               | 2 x 1222             | 2 x 10,3          | T 50 B                 | 22        |
| 250                   | 44452     | 2 x 12              | 2 x 917              | 2 x 13,7          | T 50 B                 | 22        |
| 250                   | 44453     | 2 x 15              | 2 x 733              | 2 x 17,1          | T 50 B                 | 22        |
| 250                   | 44454     | 2 x 18              | 2 x 611              | 2 x 20,5          | T 50 B                 | 22        |
| 250                   | 44455     | 2 x 24              | 2 x 458              | 2 x 27,3          | T 50 B                 | 22        |



- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 V0
- Degree of protection IP 00
- 550 grams weight
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on primary side (see diagram) to be assumed by customer

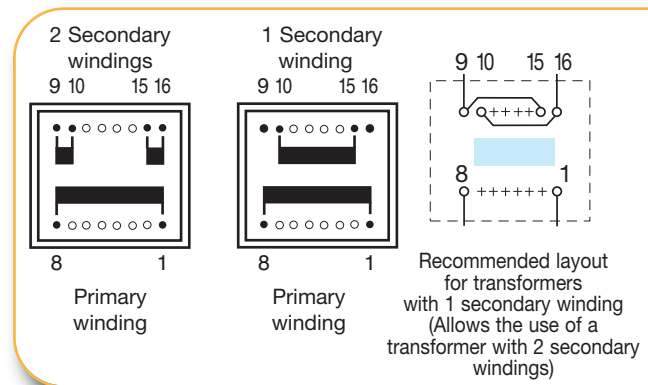


## PRIMARY VOLTAGE 117 V

| Primary protection mA | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|-----------------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
| 315                   | 44385     | 6                   | 5000                 | 6,9               | T 50 B                 | 30        |
| 315                   | 44386     | 9                   | 3333                 | 10,3              | T 50 B                 | 30        |
| 315                   | 44387     | 12                  | 2500                 | 13,8              | T 50 B                 | 30        |
| 315                   | 44388     | 15                  | 2000                 | 17,2              | T 50 B                 | 30        |
| 315                   | 44389     | 18                  | 1667                 | 20,8              | T 50 B                 | 30        |
| 315                   | 44390     | 24                  | 1250                 | 27,7              | T 50 B                 | 30        |
| 315                   | 44391     | 2 x 6               | 2 x 2500             | 2 x 6,9           | T 50 B                 | 30        |
| 315                   | 44392     | 2 x 9               | 2 x 1667             | 2 x 10,3          | T 50 B                 | 30        |
| 315                   | 44393     | 2 x 12              | 2 x 1250             | 2 x 13,8          | T 50 B                 | 30        |
| 315                   | 44394     | 2 x 15              | 2 x 1000             | 2 x 17,2          | T 50 B                 | 30        |
| 315                   | 44395     | 2 x 18              | 2 x 833              | 2 x 20,8          | T 50 B                 | 30        |
| 315                   | 44396     | 2 x 24              | 2 x 625              | 2 x 27,7          | T 50 B                 | 30        |



- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 V0
- Degree of protection IP 00
- 700 grams weight
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on primary side (see diagram) to be assumed by customer

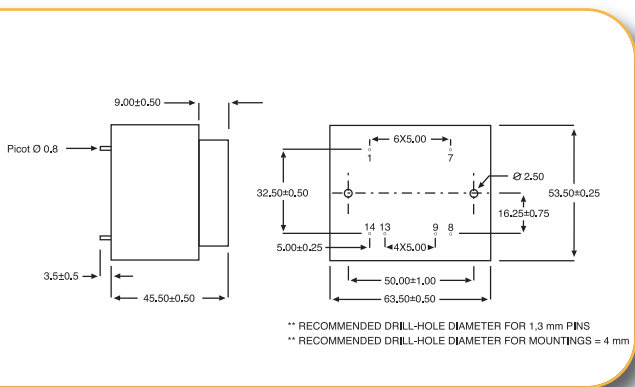




OVE KEMA KEUR EN 61558-2-6 EN 60950

- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100 % tested production
- Certification : CCA procedure on request

\*To be noted : 2 x 24 V model is non-approved.  
Those transformers meet all requirement of EN 61558-2-4



## PRIMARY VOLTAGE 230 V

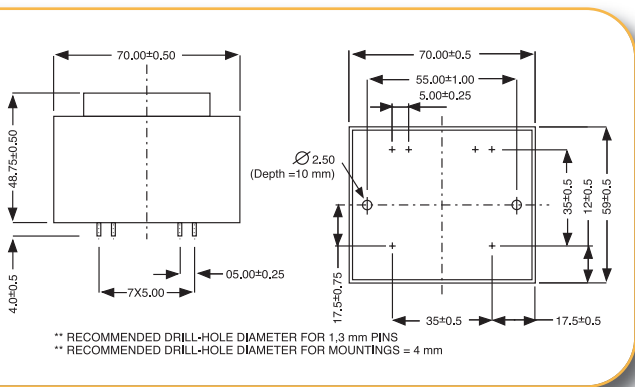
| Primary protection mA | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|-----------------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
| 125                   | 44432     | 6                   | 3667                 | 6,8               | T 50 B                 | 22        |
| 125                   | 44433     | 9                   | 2444                 | 10,3              | T 50 B                 | 22        |
| 125                   | 44434     | 12                  | 1833                 | 13,7              | T 50 B                 | 22        |
| 125                   | 44435     | 15                  | 1467                 | 17,1              | T 50 B                 | 22        |
| 125                   | 44436     | 18                  | 1222                 | 20,5              | T 50 B                 | 22        |
| 125                   | 44437     | 24                  | 917                  | 27,3              | T 50 B                 | 22        |
| 125                   | 44438     | 2 x 6               | 2 x 1833             | 2 x 6,8           | T 50 B                 | 22        |
| 125                   | 44439     | 2 x 9               | 2 x 1222             | 2 x 10,3          | T 50 B                 | 22        |
| 125                   | 44440     | 2 x 12              | 2 x 917              | 2 x 13,7          | T 50 B                 | 22        |
| 125                   | 44441     | 2 x 15              | 2 x 733              | 2 x 17,1          | T 50 B                 | 22        |
| 125                   | 44442     | 2 x 18              | 2 x 611              | 2 x 20,5          | T 50 B                 | 22        |
| 125                   | 44443*    | 2 x 24              | 2 x 458              | 2 x 27,3          | T 50 B                 | 22        |



OVE KEMA KEUR EN 61558-2-6 EN 60950

- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100 % tested production
- Certification : CCA procedure on request

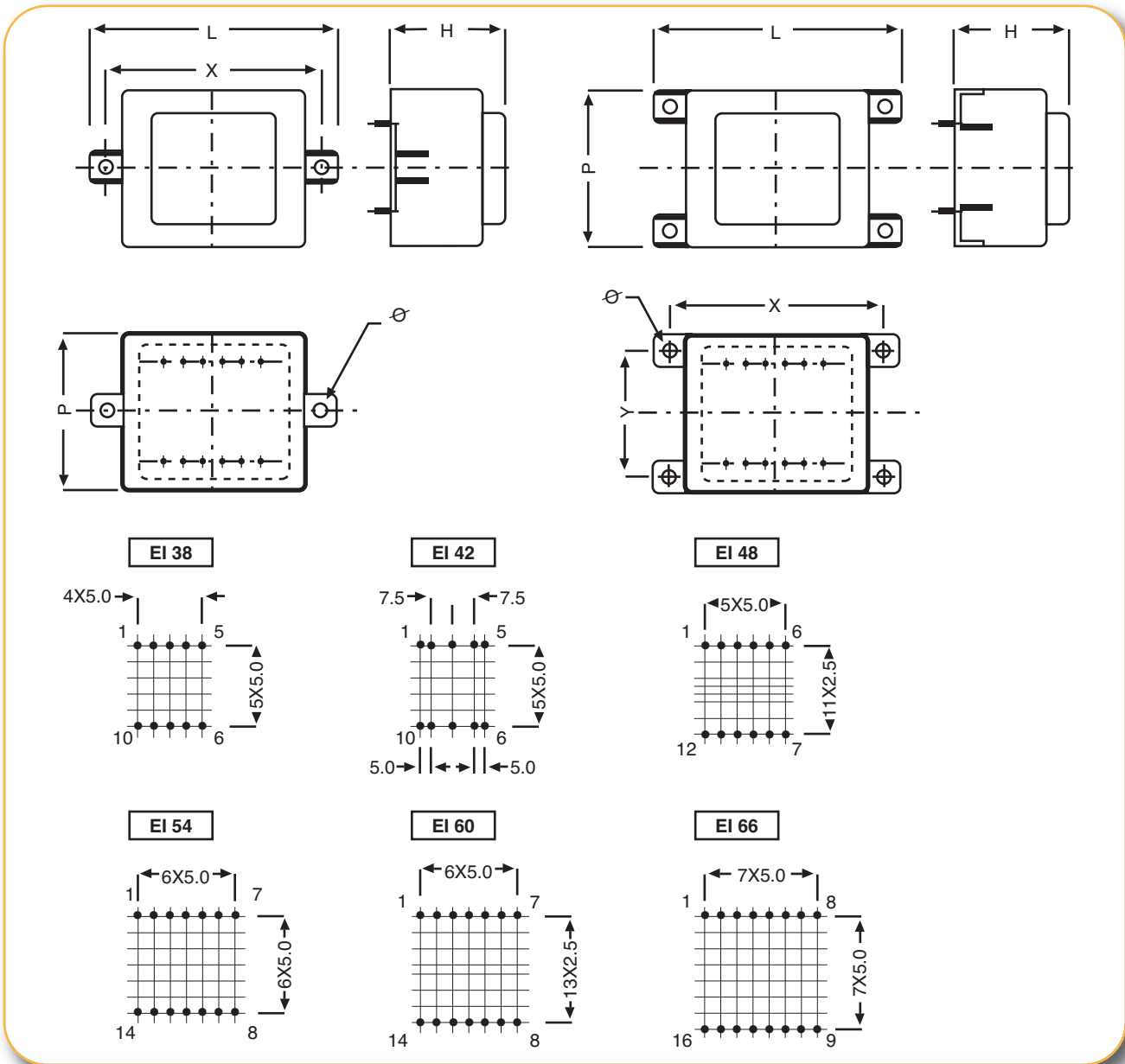
\*To be noted : 2 x 24 V model is non-approved.  
Those transformers meet all requirement of EN 61558-2-4



## PRIMARY VOLTAGE 230 V

| Primary protection mA | Reference | Secondary voltage V | Secondary current mA | No-load voltage V | Ambient Temperature °C | Rating VA |
|-----------------------|-----------|---------------------|----------------------|-------------------|------------------------|-----------|
| 160                   | 44373     | 6                   | 5000                 | 6,9               | T 50 B                 | 30        |
| 160                   | 44374     | 9                   | 3333                 | 10,3              | T 50 B                 | 30        |
| 160                   | 44375     | 12                  | 2500                 | 13,8              | T 50 B                 | 30        |
| 160                   | 44376     | 15                  | 2000                 | 17,2              | T 50 B                 | 30        |
| 160                   | 44377     | 18                  | 1667                 | 20,8              | T 50 B                 | 30        |
| 160                   | 44378     | 24                  | 1250                 | 27,7              | T 50 B                 | 30        |
| 160                   | 44379     | 2 x 6               | 2 x 2500             | 2 x 6,9           | T 50 B                 | 30        |
| 160                   | 44380     | 2 x 9               | 2 x 1667             | 2 x 10,3          | T 50 B                 | 30        |
| 160                   | 44381     | 2 x 12              | 2 x 1250             | 2 x 13,8          | T 50 B                 | 30        |
| 160                   | 44382     | 2 x 15              | 2 x 1000             | 2 x 17,2          | T 50 B                 | 30        |
| 160                   | 44383     | 2 x 18              | 2 x 833              | 2 x 20,8          | T 50 B                 | 30        |
| 160                   | 44384*    | 2 x 24              | 2 x 625              | 2 x 27,7          | T 50 B                 | 30        |

ENCAPSULATED TRANSFORMERS  
44000 SERIES



| CIRCUIT      | L<br>± 0,50 | P<br>± 0,40 | H<br>± 0,40 | X<br>± 0,50 | Y<br>± 0,50 | Ø<br>± 0,3 |
|--------------|-------------|-------------|-------------|-------------|-------------|------------|
| EI 38 X 13,6 | 55,6        | 34,9        | 28,1        | 47,5        |             | 3,2        |
| EI 42 X 14,8 | 64          | 37          | 32,3        | 55,0        |             | 4,2        |
| EI 48 X 16,8 | 69          | 42,3        | 34,6        | 60          |             | 4,2        |
| EI 54 X 18,8 | 74          | 47,3        | 38,8        | 65          |             | 4,2        |
| EI 60 X 21   | 81,5        | 53,3        | 44,7        | 72,5        | 43,5        | 4,2        |
| EI 66 X 23   | 87,2        | 58,6        | 48,5        | 77,5        | 47,5        | 4,2        |

Series 44000 transformers can be equipped with boxes with lugs and also 2,8 «faston» terminal tags while still conforming to the specifications in the standard references.

- For boxes with 2 lugs and pin type output, add suffix 1 to the reference of the standard transformer (example : 44198-1)
- For boxes with 2 lugs and 2,8 «faston» output, add suffix 2 to the reference of the standard transformer (example : 44199-2)
- For boxes with 4 lugs and pin type output, add suffix 3 to the reference of the standard transformer (example : 44200-3)
- For boxes with 4 lugs and 2,8 «faston» output, add suffix 4 to the reference of the standard transformer (example : 44201-4)

These models are not available on stock.