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|---|-----------------------------|-----|--------------|
|  | DIN EN 61558-2-6 VDE | VDE | 108267 |
|  | DIN EN 60 335-1 VDE | VDE | 102961/84814 |
|  | UL 5085-3 | UL | on request |
|  | UL 5085-1 | UL | E98173 |
|  | C22.2 | CSA | on request |

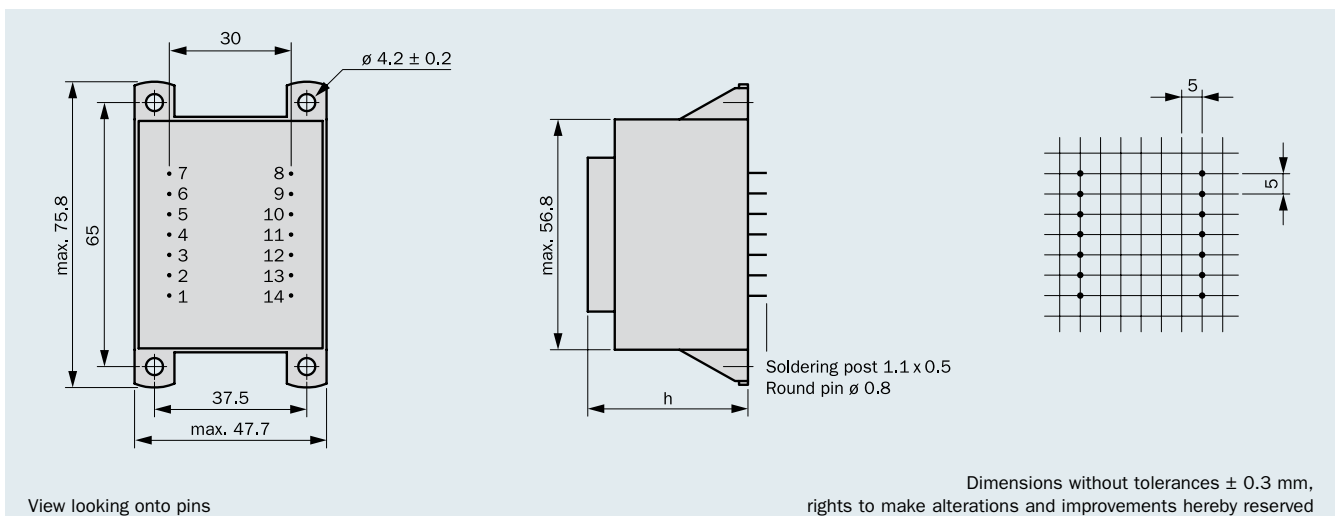


- according to REACH regulation
- according to RoHs regulation

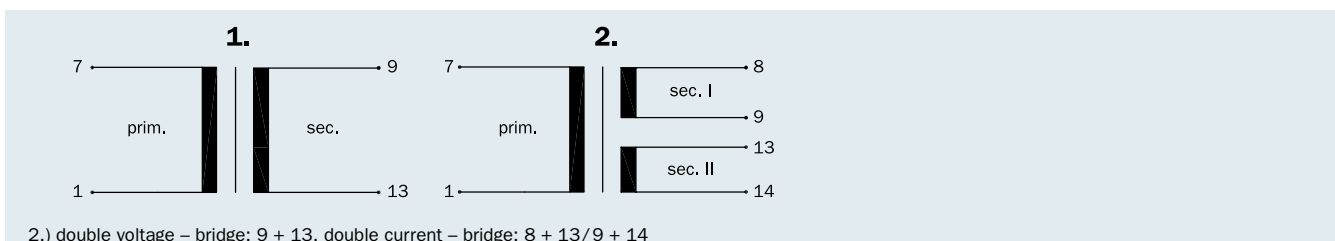
- Output Power up to 22.0 VA
- Non short-circuit-proof at temperature class ta 70 °C/B
- Standard type cast housing “KK”
- Excellent temperature fluctuation resistance properties
- High electrical safety and long service-life features
- High voltage resistance
- Self-extinguishing cast housing and sealing material
- Per item tested quality with certificate

- Protection extern secondary by:
- Micro fuse according to IEC 127 or
 - PTC resistance

Type cast housing “KK” with 4 fixing straps



Connection scheme (only connected pins are present)



| Frame size/Core height | Output Power ta 70 °C/B | Height (h) | Weight | Packaging unit |
|--------------------------|----------------------------|---------------|----------|----------------|
| BV EI 540 /14.0 mm* | 12.0 VA | 35.0 ± 0.5 mm | 0.350 kg | 24 pieces** |
| BV EI 541 /18.8 mm | 16.0 VA | 38.8 ± 0.5 mm | 0.400 kg | 24 pieces** |
| BV EI 542 /23.0 mm | 20.0 VA | 43.2 ± 0.5 mm | 0.500 kg | 24 pieces** |
| BV EI 543 /25.5 mm | 22.0 VA | 47.4 ± 0.5 mm | 0.550 kg | 24 pieces** |

* only type cast housing '0'

** it depends on kind of cast housing

12.0 VA ta 70°C/B

Frame size/Core height
**BV EI 540.... /
14.0 mm**

non short-circuit-proof



| Order No. | Primary voltage V | Connecting pins prim. | Secondary voltage V | Current sec. mA | Connecting pins sec. | No-load voltage V | Connection scheme |
|----------------|-------------------|-----------------------|---------------------|-----------------|----------------------|-------------------|-------------------|
| BV EI 540 1137 | 230 | 1-7 | 1 x 6 | 2000 | 9-13 | 1 x 8.1 | 1 |
| BV EI 540 1138 | 230 | 1-7 | 2 x 6 | 1000 | 8-9/13-14 | 2 x 8.1 | 2 |
| BV EI 540 1139 | 230 | 1-7 | 1 x 7.5 | 1600 | 9-13 | 1 x 9.9 | 1 |
| BV EI 540 1140 | 230 | 1-7 | 2 x 7.5 | 800 | 8-9/13-14 | 2 x 9.9 | 2 |
| BV EI 540 1141 | 230 | 1-7 | 1 x 9 | 1333 | 9-13 | 1 x 12.2 | 1 |
| BV EI 540 1142 | 230 | 1-7 | 2 x 9 | 667 | 8-9/13-14 | 2 x 12.2 | 2 |
| BV EI 540 1143 | 230 | 1-7 | 1 x 12 | 1000 | 9-13 | 1 x 15.8 | 1 |
| BV EI 540 1144 | 230 | 1-7 | 2 x 12 | 500 | 8-9/13-14 | 2 x 15.8 | 2 |
| BV EI 540 1145 | 230 | 1-7 | 1 x 15 | 800 | 9-13 | 1 x 19.4 | 1 |
| BV EI 540 1146 | 230 | 1-7 | 2 x 15 | 400 | 8-9/13-14 | 2 x 19.4 | 2 |
| BV EI 540 1147 | 230 | 1-7 | 1 x 18 | 667 | 9-13 | 1 x 23.5 | 1 |
| BV EI 540 1148 | 230 | 1-7 | 2 x 18 | 334 | 8-9/13-14 | 2 x 23.5 | 2 |
| BV EI 540 1149 | 230 | 1-7 | 1 x 24 | 500 | 9-13 | 1 x 30.6 | 1 |

16.0 VA ta 70°C/B

Frame size/Core height
**BV EI 541.... /
18.8 mm**

non short-circuit-proof



| Order No. | Primary voltage V | Connecting pins prim. | Secondary voltage V | Current sec. mA | Connecting pins sec. | No-load voltage V | Connection scheme |
|----------------|-------------------|-----------------------|---------------------|-----------------|----------------------|-------------------|-------------------|
| BV EI 541 1121 | 230 | 1-7 | 1 x 6 | 2667 | 9-13 | 1 x 7.9 | 1 |
| BV EI 541 1128 | 230 | 1-7 | 2 x 6 | 1334 | 8-9/13-14 | 2 x 7.9 | 2 |
| BV EI 541 1122 | 230 | 1-7 | 1 x 7.5 | 2134 | 9-13 | 1 x 9.7 | 1 |
| BV EI 541 1129 | 230 | 1-7 | 2 x 7.5 | 1067 | 8-9/13-14 | 2 x 9.7 | 2 |
| BV EI 541 1123 | 230 | 1-7 | 1 x 9 | 1778 | 9-13 | 1 x 11.7 | 1 |
| BV EI 541 1130 | 230 | 1-7 | 2 x 9 | 889 | 8-9/13-14 | 2 x 11.7 | 2 |
| BV EI 541 1124 | 230 | 1-7 | 1 x 12 | 1333 | 9-13 | 1 x 15.2 | 1 |
| BV EI 541 1131 | 230 | 1-7 | 2 x 12 | 667 | 8-9/13-14 | 2 x 15.2 | 2 |
| BV EI 541 1125 | 230 | 1-7 | 1 x 15 | 1067 | 9-13 | 1 x 19.1 | 1 |
| BV EI 541 1132 | 230 | 1-7 | 2 x 15 | 534 | 8-9/13-14 | 2 x 19.1 | 2 |
| BV EI 541 1126 | 230 | 1-7 | 1 x 18 | 889 | 9-13 | 1 x 22.3 | 1 |
| BV EI 541 1150 | 230 | 1-7 | 2 x 18 | 445 | 8-9/13-14 | 2 x 22.3 | 2 |
| BV EI 541 1110 | 230 | 1-7 | 1 x 24 | 667 | 9-13 | 1 x 29.1 | 1 |

20.0 VA ta 70°C/B

Frame size/Core height
**BV EI 542.... /
23.0 mm**

non short-circuit-proof



| Order No. | Primary voltage V | Connecting pins prim. | Secondary voltage V | Current sec. mA | Connecting pins sec. | No-load voltage V | Connection scheme |
|----------------|-------------------|-----------------------|---------------------|-----------------|----------------------|-------------------|-------------------|
| BV EI 542 1151 | 230 | 1-7 | 1 x 6 | 3334 | 9-13 | 1 x 7.7 | 1 |
| BV EI 542 1152 | 230 | 1-7 | 2 x 6 | 1667 | 8-9/13-14 | 2 x 7.7 | 2 |
| BV EI 542 1153 | 230 | 1-7 | 1 x 7.5 | 2667 | 9-13 | 1 x 9.5 | 1 |
| BV EI 542 1154 | 230 | 1-7 | 2 x 7.5 | 1334 | 8-9/13-14 | 2 x 9.5 | 2 |
| BV EI 542 1155 | 230 | 1-7 | 1 x 9 | 2223 | 9-13 | 1 x 11.4 | 1 |
| BV EI 542 1156 | 230 | 1-7 | 2 x 9 | 1112 | 8-9/13-14 | 2 x 11.4 | 2 |
| BV EI 542 1157 | 230 | 1-7 | 1 x 12 | 1667 | 9-13 | 1 x 15.0 | 1 |
| BV EI 542 1158 | 230 | 1-7 | 2 x 12 | 834 | 8-9/13-14 | 2 x 15.0 | 2 |
| BV EI 542 1159 | 230 | 1-7 | 1 x 15 | 1334 | 9-13 | 1 x 18.6 | 1 |
| BV EI 542 1160 | 230 | 1-7 | 2 x 15 | 667 | 8-9/13-14 | 2 x 18.6 | 2 |
| BV EI 542 1161 | 230 | 1-7 | 1 x 18 | 1112 | 9-13 | 1 x 21.8 | 1 |
| BV EI 542 1162 | 230 | 1-7 | 2 x 18 | 556 | 8-9/13-14 | 2 x 21.8 | 2 |
| BV EI 542 1163 | 230 | 1-7 | 1 x 24 | 834 | 9-13 | 1 x 29.5 | 1 |

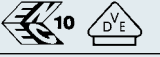
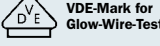



22.0 VA
ta 70 °C/B

Frame size/Core height
BV EI 543 /
25.5 mm

non short-circuit-proof



| Order No. | Primary voltage V | Connecting pins prim. | Secondary voltage V | Current sec. mA | Connecting pins sec. | No-load voltage V | Connection scheme |
|----------------|-------------------|-----------------------|---------------------|-----------------|----------------------|-------------------|-------------------|
| BV EI 543 1166 | 230 | 1-7 | 1 x 6 | 3667 | 9-13 | 1 x 7.4 | 1 |
| BV EI 543 1167 | 230 | 1-7 | 2 x 6 | 1834 | 8-9/13-14 | 2 x 7.4 | 2 |
| BV EI 543 1168 | 230 | 1-7 | 1 x 7.5 | 2934 | 9-13 | 1 x 8.9 | 1 |
| BV EI 543 1169 | 230 | 1-7 | 2 x 7.5 | 1467 | 8-9/13-14 | 2 x 8.9 | 2 |
| BV EI 543 1170 | 230 | 1-7 | 1 x 9 | 2445 | 9-13 | 1 x 10.7 | 1 |
| BV EI 543 1171 | 230 | 1-7 | 2 x 9 | 1223 | 8-9/13-14 | 2 x 10.7 | 2 |
| BV EI 543 1172 | 230 | 1-7 | 1 x 12 | 1834 | 9-13 | 1 x 14.5 | 1 |
| BV EI 543 1173 | 230 | 1-7 | 2 x 12 | 917 | 8-9/13-14 | 2 x 14.5 | 2 |
| BV EI 543 1174 | 230 | 1-7 | 1 x 15 | 1467 | 9-13 | 1 x 17.9 | 1 |
| BV EI 543 1175 | 230 | 1-7 | 2 x 15 | 734 | 8-9/13-14 | 2 x 17.9 | 2 |
| BV EI 543 1176 | 230 | 1-7 | 1 x 18 | 1223 | 9-13 | 1 x 21.0 | 1 |
| BV EI 543 1177 | 230 | 1-7 | 2 x 18 | 612 | 8-9/13-14 | 2 x 21.0 | 2 |
| BV EI 543 1178 | 230 | 1-7 | 1 x 24 | 917 | 9-13 | 1 x 28.0 | 1 |

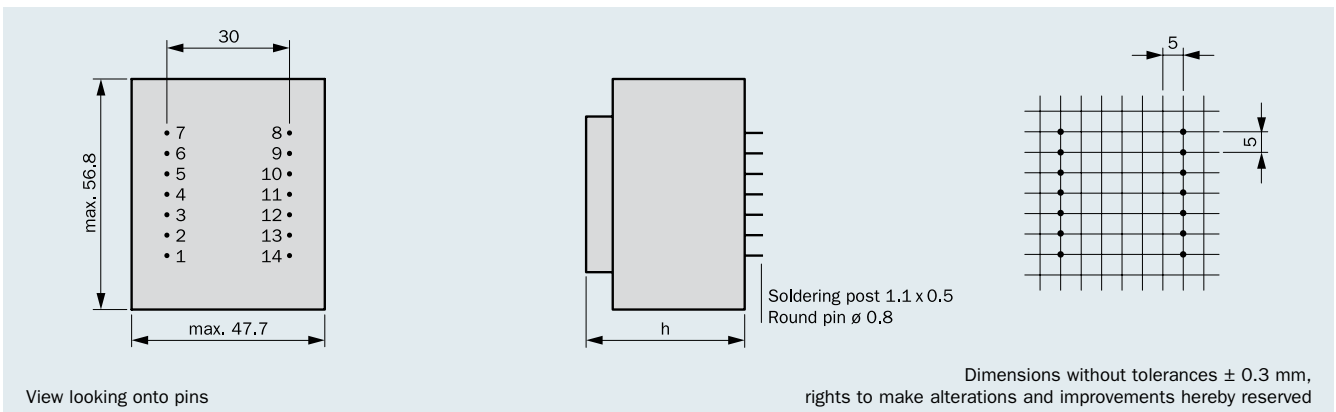
| | | | |
|---|-------------------------|------------|------------|
|  | DIN EN 61558-2-6 | VDE | on request |
|  | DIN EN 60 335-1 | VDE | on request |
|  | UL 5085-3 | UL | on request |
|  | UL 5085-1 | UL | on request |
|  | C22.2 | CSA | on request |

Individual version!

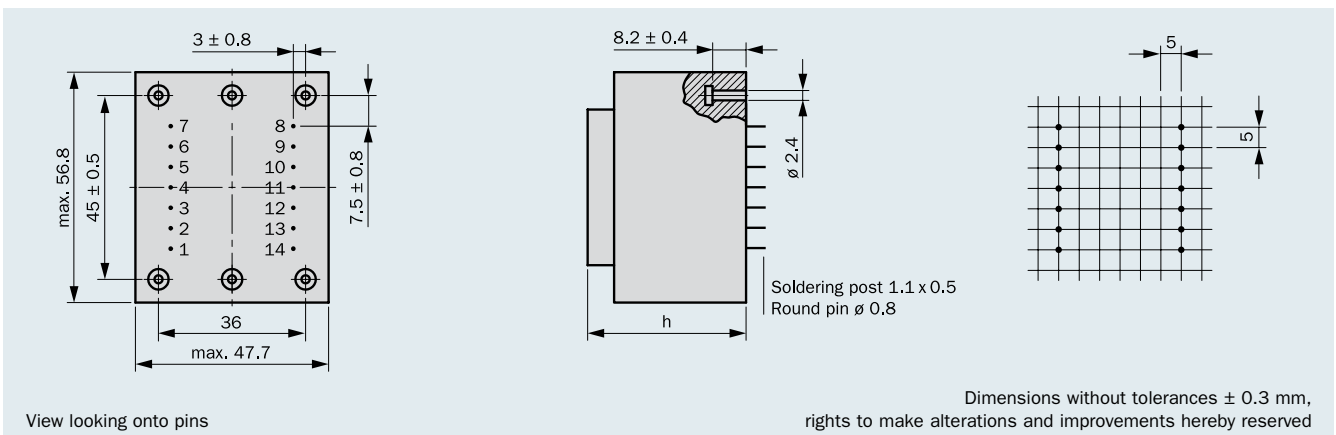
Parallel to the cataloged EI 54 series transformers, HAHN also produces other variants, e.g. with integrated thermo fuse or thermo switch, other housing-, fixing- and connective options as well as non-encapsulated transformers.

- according to REACH regulation
- according to RoHs regulation

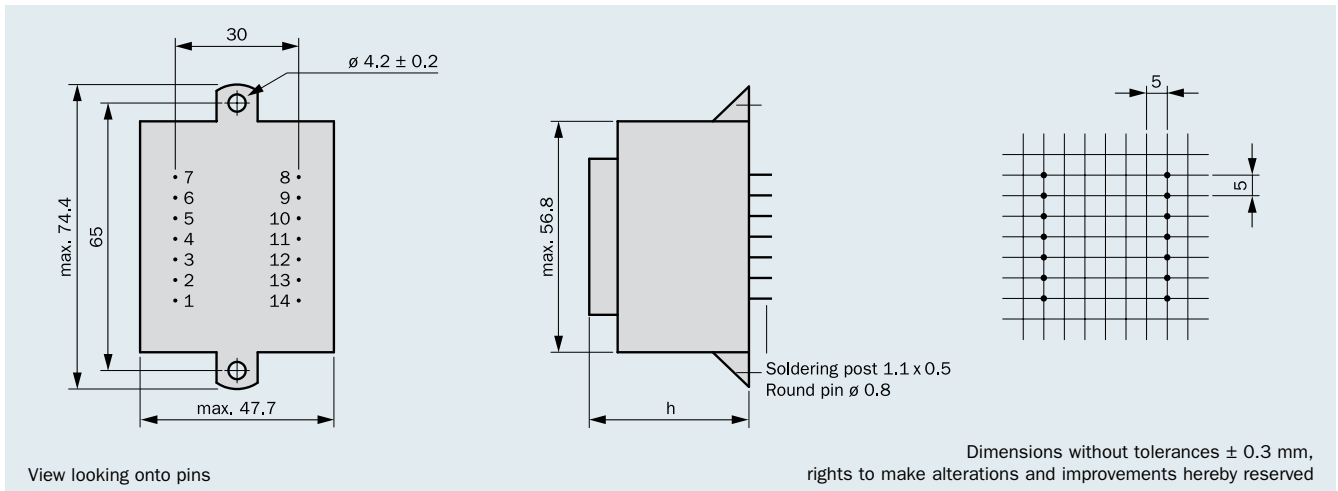
Type cast housing "0"



Type cast housing "0" with fixing band



Type cast housing “K” with 2 fixing straps



Type cast housing “SV” for upright mounting

