



Printed-Circuit-Board transformers

Output Power: 1.3 VA – 2.8 VA



| | | | |
|--|-------------------------|------------|---------------|
| | DIN EN 61558-2-6 | VDE | 115801/124257 |
| | DIN EN 60 335-1 | VDE | 102961/84814 |
| | UL 5085-3 | UL | E177280 |
| | UL 5085-1 | UL | E98173 |
| | C22.2 | CSA | 99204 |



- according to REACH regulation
- according to RoHS regulation
- according to ErP regulation

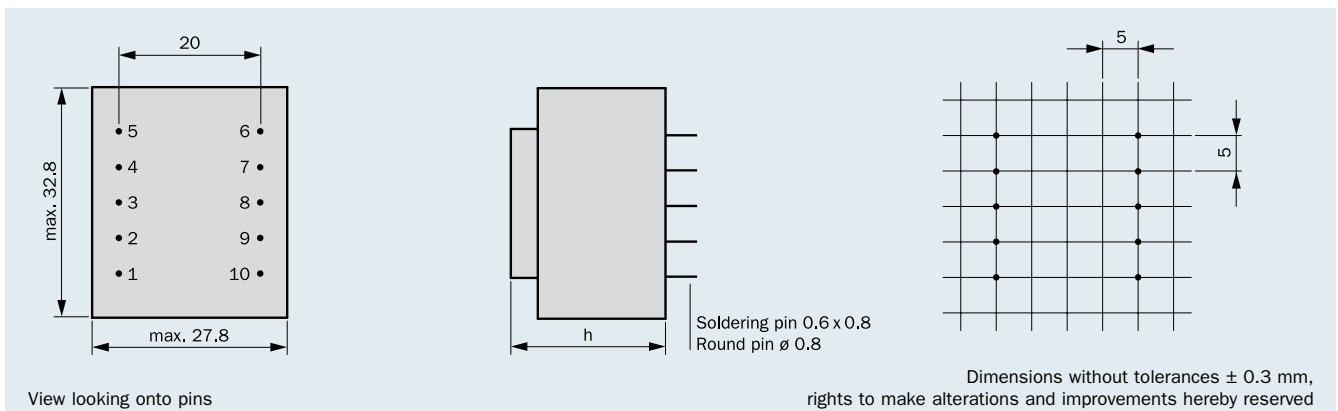


We have expanded our program for you in the course of EuP (Energy using Products).

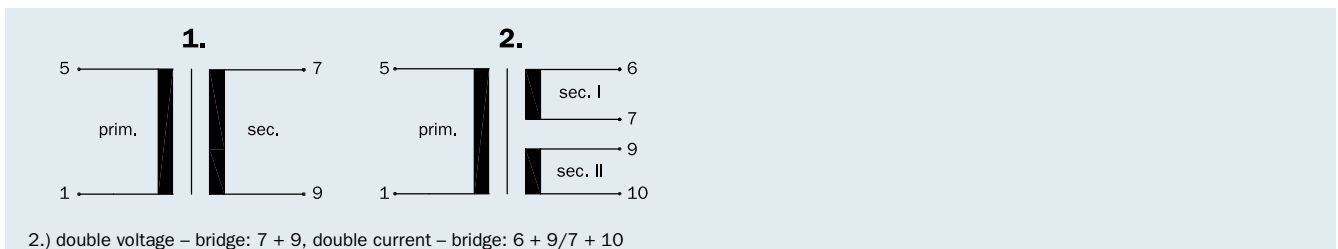
- Primary voltages up to 250 V
- Secondary voltages 2 V to max. 38 V or 2x2 V to max. 2x19 V
- Output Power up to 2.8 VA
- Short-circuit-proof
- Temperature class ta 70°C/F
- Vacuum-encapsulated, bobbin with dual chamber windings
- Per item tested quality with certificate
- Excellent temperature fluctuation resistance properties
- Self-extinguishing cast housing and sealing material
- Minimal size available

The **EuP Serie 2013** of **HAHN** is perfect for applications of the electric power supply in electrical and electronic household and office equipment with “stand by” and “off” conditions. Already today where a reduced **power consumption of $P_0 < 0,4 \text{ W}$** is required, the **EuP Serie 2013** of **HAHN** will be a solution.

Connecting pins



Connection scheme (only connected pins are present)



| Frame size/Core height | Output Power ta 70°C/F | Size (h) | Weight | Packaging unit |
|-------------------------|---------------------------|----------|----------|----------------|
| BV EI 307 8... /11.5 mm | 1.3 VA | 22.1 mm | 0.076 kg | 50 pieces |
| BV EI 303 8... /12.5 mm | 1.5 VA | 23.8 mm | 0.081 kg | 50 pieces |
| BV EI 304 8... /15.5 mm | 2.1 VA | 26.8 mm | 0.099 kg | 50 pieces |
| BV EI 305 8... /18.0 mm | 2.3 VA | 29.5 mm | 0.111 kg | 50 pieces |
| BV EI 306 8... /23.0 mm | 2.8 VA | 34.0 mm | 0.135 kg | 50/40 pieces* |

* it depends on kind of packaging

1.3 VA ta 70°C/F

Frame size/Core height
BV EI 307..../
11.5 mm

inherently
short-circuit-
proof



no load power loss
<0.4 W

| 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 307 8009 | 230 | 1-5 | 1 x 6 | 217 | 7-9 | 1 x 10.7 | 1 |
| BV EI 307 8011 | 230 | 1-5 | 1 x 9 | 144 | 7-9 | 1 x 15.7 | 1 |
| BV EI 307 8001 | 230 | 1-5 | 1 x 12 | 108 | 7-9 | 1 x 19.8 | 1 |
| BV EI 307 8002 | 230 | 1-5 | 2 x 12 | 54 | 6-7/9-10 | 2 x 19.8 | 2 |
| BV EI 307 8012 | 230 | 1-5 | 1 x 15 | 87 | 7-9 | 1 x 25.0 | 1 |

1.5 VA ta 70°C/F

Frame size/Core height
BV EI 303..../
12.5 mm

inherently
short-circuit-
proof



no load power loss
<0.4 W

| 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 303 8008 | 230 | 1-5 | 1 x 9 | 167 | 7-9 | 1 x 14.0 | 1 |
| BV EI 303 8021 | 230 | 1-5 | 2 x 9 | 83 | 6-7/9-10 | 2 x 14.0 | 2 |
| BV EI 303 8023 | 230 | 1-5 | 1 x 12 | 125 | 7-9 | 1 x 18.8 | 1 |

2.1 VA ta 70°C/F

Frame size/Core height
BV EI 304..../
15.5 mm

inherently
short-circuit-
proof



no load power loss
<0.4 W

| 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 304 8013 | 230 | 1-5 | 1 x 6 | 350 | 7-9 | 1 x 11.0 | 1 |
| BV EI 304 8024 | 230 | 1-5 | 1 x 7.5 | 280 | 7-9 | 1 x 13.9 | 1 |
| BV EI 304 8014 | 230 | 1-5 | 1 x 9 | 233 | 7-9 | 1 x 16.2 | 1 |
| BV EI 304 8005 | 230 | 1-5 | 1 x 12 | 175 | 7-9 | 1 x 20.5 | 1 |
| BV EI 304 8006 | 230 | 1-5 | 2 x 12 | 88 | 6-7/9-10 | 2 x 20.5 | 2 |
| BV EI 304 8015 | 230 | 1-5 | 1 x 15 | 140 | 7-9 | 1 x 27.0 | 1 |

2.3 VA ta 70°C/F

Frame size/Core height
BV EI 305..../
18.0 mm

inherently
short-circuit-
proof



no load power loss
<0.4 W

| 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 305 8022 | 230 | 1-5 | 1 x 7.5 | 307 | 7-9 | 1 x 13.2 | 1 |
| BV EI 305 8019 | 230 | 1-5 | 1 x 9 | 255 | 7-9 | 1 x 16.0 | 1 |
| BV EI 305 8020 | 230 | 1-5 | 2 x 9 | 127 | 6-7/9-10 | 2 x 15.7 | 2 |

2.8 VA ta 70°C/F

Frame size/Core height
BV EI 306..../
23.0 mm

inherently
short-circuit-
proof



no load power loss
<0.4 W

| 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 306 8016 | 230 | 1-5 | 1 x 6 | 467 | 7-9 | 1 x 10.5 | 1 |
| BV EI 306 8017 | 230 | 1-5 | 1 x 9 | 311 | 7-9 | 1 x 16.1 | 1 |
| BV EI 306 8003 | 230 | 1-5 | 1 x 12 | 233 | 7-9 | 1 x 21.4 | 1 |
| BV EI 306 8007 | 230 | 1-5 | 2 x 12 | 117 | 6-7/9-10 | 2 x 21.4 | 2 |
| BV EI 306 8018 | 230 | 1-5 | 1 x 15 | 187 | 7-9 | 1 x 26.1 | 1 |