



Printed-Circuit-Board transformers

Output Power: 1.3 VA – 2.8 VA



	DIN EN 61558-2-6	115801/124257
Report of passed Glow-Wire-Test	DIN EN 60335-1, clause 30.2.3.1 and 30.2.3.2	102961/84814
	UL 506	E98173
	UL 5085-1	E177280
	UL 5085-3	E177280
	CSA C22.2-66.1-06	E177280
	CSA C22.2-66.3-06	E177280



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

Further certifications / approvals on request!

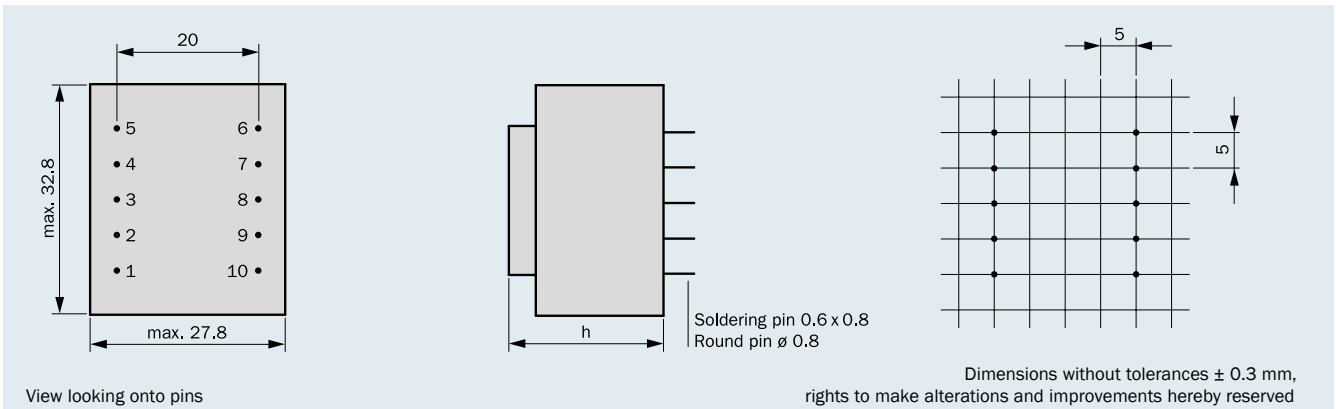
- Primary voltages up to 250 V
- Secondary voltages 2 V to max. 38 V or 2x2 V to max. 2 x 19 V
- Output Power up to 2.8 VA
- Short-circuit-proof
- Temperature class ta 70 °C/F
- Vacuum-encapsulated, bobbin with dual chamber windings
- 100 % piece inspection
- Excellent temperature fluctuation resistance properties
- Self-extinguishing cast housing and sealing material
- Minimal size available



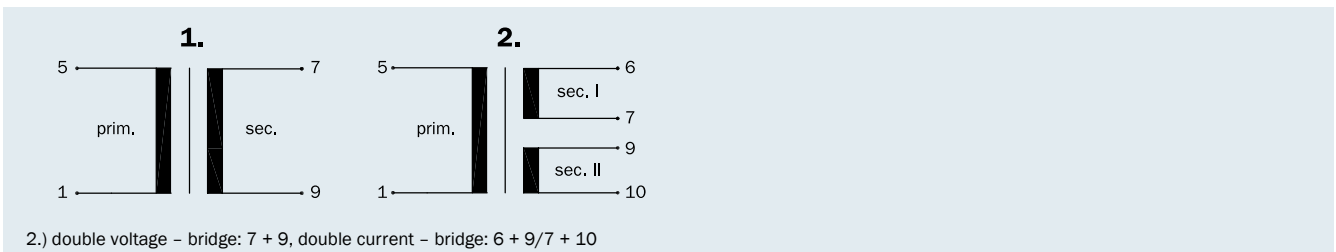
We have expanded our program for you in the course of ErP (Energy related Products).

The **ErP Serie** 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 **P₀ < 0,4 W** is required, the **ErP Serie** 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	max. 22.4 mm	0.076 kg	50 pieces
BV EI 303 8... /12.5 mm	1.5 VA	max. 24.1 mm	0.081 kg	50 pieces
BV EI 304 8... /15.5 mm	2.1 VA	max. 27.3 mm	0.099 kg	50 pieces
BV EI 305 8... /18.0 mm	2.3 VA	max. 30.0 mm	0.111 kg	50 pieces
BV EI 306 8... /23.0 mm	2.8 VA	max. 34.3 mm	0.135 kg	50 pieces

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
BV EI 306 8034	230	1-5	2 x 9	155	6-7/9-10	2 x 16.2	2