Printed-Circuit-Board transformers

Output Power: 0.5 VA – 3.6 VA

EI 30

10 VDE	**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
c UL us	**UL 5085-1**	E177280
	UL 5085-3	E177280
	CSA C22.2-66.1-06	E177280
	CSA C22.2-66.3-06	E177280

- according to CE-/UKCA regulation
- according to RoHS-/REACH regulation

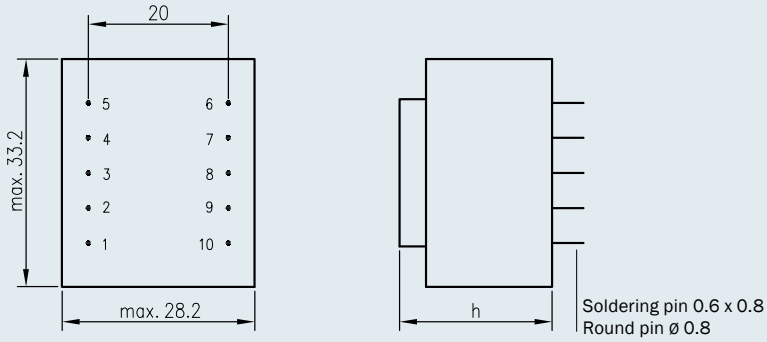
Further certifications / approvals on request!

- Primary voltages from 12 V to 250 V or 2 x 12 V to 2 x 125 V
- Secondary voltages from 2 V to max. 38 V or 2 x 2 V to max. 2 x 19 V
- Output Power up to 3.6 VA
- Short-circuit-proof
- Vacuum-encapsulated, bobbin with dual chamber windings
- Temperature class ta 40°C/F and ta 70°C/F
- 100 % piece inspection
- Excellent temperature fluctuation resistance properties
- Self-extinguishing cast housing and sealing material
- Minimal size available

Several hundreds of types provide safety and long service-life for printed circuit boards, household appliances, leisure electronics, heating and control technology as well as in assembly techniques. Transformers for special requirements with lower open-circuit (no-load) loss capacity are also available in the range.

Enhanced customer benefit due to ongoing high quality standards throughout 50 years experience in transformer technology.

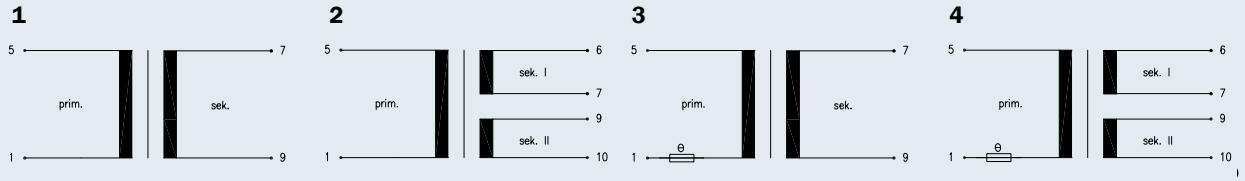
Connecting pins



View looking onto pins
Dimensions may vary depending on the height

Dimensions without tolerances ± 0,3 mm
Rights to make alterations and improvements hereby reserved

Connection scheme (only connected pins are present)



2.+4.) double voltage – bridge: 7 + 9, double current – bridge: 6 + 9/7 + 10

Frame size/ Core height	Output Power ta 40°C/F	Output Power ta 70°C/F	Output Power ta 70°C/F with thermo-fuse	Height (h)	Weight	Packaging unit
BV EI 301 .... / 5.5 mm	0.6 VA	0.5/0.7 VA	0.65 VA	max. 15.2 mm	0.044 kg	50 pieces
BV EI 302 .... /10.5 mm	1.8 VA	1.5 VA	1.8 VA	max. 22.1 mm	0.070 kg	50 pieces
BV EI 307 .... /11.5 mm	2.2 VA	1.8 VA	1.8 VA	max. 22.4 mm	0.076 kg	50 pieces
BV EI 303 .... /12.5 mm	2.3 VA	1.9 VA	2.3 VA	max. 24.3 mm	0.081 kg	50 pieces
BV EI 304 .... /15.5 mm	2.6 VA	2.1 VA	2.4 VA	max. 27.4 mm	0.099 kg	50 pieces
BV EI 305 .... /18.0 mm	3.0 VA	2.3 VA	2.7 VA	max. 30.1 mm	0.111 kg	50 pieces
BV EI 306 .... /23.0 mm	3.6 VA	3.0 VA	3.4 VA	max. 34.3 mm	0.135 kg	50 pieces

Printed-Circuit-Board transformers

Output Power: up to 0.7 VA

EI 30

0.5 VA ta 70° C/F

Frame size/Core height
BV EI 301 .... / 5.5 mm

inherently short-circuit-proof

no load power loss
type. 1.0 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 301 3005	230	1 – 5	1 x 6	83	7 – 9	1 x 10.2	1
BV EI 301 3538	230	1 – 5	2 x 6	41	6 – 7/9 – 10	2 x 10.1	2
BV EI 301 3017	230	1 – 5	1 x 7.5	67	7 – 9	1 x 12.2	1
BV EI 301 3970	230	1 – 5	2 x 7.5	33	6 – 7/9 – 10	2 x 11.7	2
BV EI 301 2911	230	1 – 5	1 x 9	56	7 – 9	1 x 14.7	1
BV EI 301 3172	230	1 – 5	2 x 9	28	6 – 7/9 – 10	2 x 13.3	2
BV EI 301 2824	230	1 – 5	1 x 12	42	7 – 9	1 x 18.0	1
BV EI 301 3971	230	1 – 5	2 x 12	21	6 – 7/9 – 10	2 x 18.7	2
BV EI 301 2845	230	1 – 5	1 x 15	33	7 – 9	1 x 22.8	1
BV EI 301 2741	230	1 – 5	2 x 15	17	6 – 7/9 – 10	2 x 23.3	2
BV EI 301 2967	230	1 – 5	1 x 18	28	7 – 9	1 x 26.0	1
BV EI 301 3020	230	1 – 5	1 x 21	24	7 – 9	1 x 30.6	1
BV EI 301 2807	230	1 – 5	1 x 24	21	7 – 9	1 x 35.5	1

0.7 VA ta 70° C/F

Frame size/Core height
BV EI 301 .... / 5.5 mm

inherently short-circuit-proof

no load power loss
type. 2.3 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 301 3582	230	1 – 5	1 x 6	117	7 – 9	1 x 10.3	1
BV EI 301 3583	230	1 – 5	2 x 6	58	6 – 7/9 – 10	2 x 10.5	2
BV EI 301 3584	230	1 – 5	1 x 7.5	94	7 – 9	1 x 12.7	1
BV EI 301 3585	230	1 – 5	2 x 7.5	47	6 – 7/9 – 10	2 x 12.7	2
BV EI 301 3586	230	1 – 5	1 x 9	78	7 – 9	1 x 14.6	1
BV EI 301 3587	230	1 – 5	2 x 9	39	6 – 7/9 – 10	2 x 14.6	2
BV EI 301 3588	230	1 – 5	1 x 12	58	7 – 9	1 x 19.5	1
BV EI 301 3589	230	1 – 5	2 x 12	29	6 – 7/9 – 10	2 x 19.5	2
BV EI 301 3590	230	1 – 5	1 x 15	47	7 – 9	1 x 24.5	1
BV EI 301 3591	230	1 – 5	2 x 15	23	6 – 7/9 – 10	2 x 24.5	2
BV EI 301 3592	230	1 – 5	1 x 18	39	7 – 9	1 x 28.3	1
BV EI 301 3593	230	1 – 5	1 x 21	33	7 – 9	1 x 32.9	1
BV EI 301 3594	230	1 – 5	1 x 24	29	7 – 9	1 x 37.8	1

0.65 VA ta 70° C/F

Frame size/Core height
BV EI 301 .... / 5.5 mm

non inherently short-circuit-proof with thermo-fuse

no load power loss
type. 2.3 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 301 7002	230	1 – 5	1 x 6	108	7 – 9	1 x 10.5	3
BV EI 301 7003	230	1 – 5	2 x 6	54	6 – 7/9 – 10	2 x 10.5	4
BV EI 301 7004	230	1 – 5	1 x 7.5	87	7 – 9	1 x 13.0	3
BV EI 301 7005	230	1 – 5	2 x 7.5	43	6 – 7/9 – 10	2 x 13.0	4
BV EI 301 7006	230	1 – 5	1 x 9	72	7 – 9	1 x 15.4	3
BV EI 301 7007	230	1 – 5	2 x 9	36	6 – 7/9 – 10	2 x 15.4	4
BV EI 301 7008	230	1 – 5	1 x 12	54	7 – 9	1 x 20.4	3
BV EI 301 7009	230	1 – 5	2 x 12	27	6 – 7/9 – 10	2 x 20.4	4
BV EI 301 7010	230	1 – 5	1 x 15	43	7 – 9	1 x 24.9	3
BV EI 301 7011	230	1 – 5	2 x 15	21	6 – 7/9 – 10	2 x 24.9	4
BV EI 301 7012	230	1 – 5	1 x 18	36	7 – 9	1 x 30.1	3
BV EI 301 7013	230	1 – 5	1 x 21	31	7 – 9	1 x 35.1	3
BV EI 301 7014	230	1 – 5	1 x 24	27	7 – 9	1 x 40.0	3

Printed-Circuit-Board transformers

Output Power: up to 1.8 VA

EI 30

1.8 VA ta 40 °C/F

Frame size/Core height
BV EI 302 .... / 10.5 mm

inherently short-circuit-proof

no load power loss
type. 2.2 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 302 2000	230	1 – 5	1 x 6	300	7 – 9	1 x 8.8	1
BV EI 302 2005	230	1 – 5	2 x 6	150	6 – 7/9 – 10	2 x 8.8	2
BV EI 302 3021	230	1 – 5	1 x 7.5	240	7 – 9	1 x 10.7	1
BV EI 302 3562	230	1 – 5	2 x 7.5	120	6 – 7/9 – 10	2 x 11.0	2
BV EI 302 2001	230	1 – 5	1 x 9	200	7 – 9	1 x 12.6	1
BV EI 302 2006	230	1 – 5	2 x 9	100	6 – 7/9 – 10	2 x 13.0	2
BV EI 302 2002	230	1 – 5	1 x 12	150	7 – 9	1 x 16.9	1
BV EI 302 2007	230	1 – 5	2 x 12	75	6 – 7/9 – 10	2 x 18.3	2
BV EI 302 2003	230	1 – 5	1 x 15	120	7 – 9	1 x 21.2	1
BV EI 302 2008	230	1 – 5	2 x 15	60	6 – 7/9 – 10	2 x 21.8	2
BV EI 302 2004	230	1 – 5	1 x 18	100	7 – 9	1 x 25.4	1
BV EI 302 3022	230	1 – 5	1 x 21	86	7 – 9	1 x 30.4	1
BV EI 302 2990	230	1 – 5	1 x 24	75	7 – 9	1 x 34.5	1

1.5 VA ta 70 °C/F

Frame size/Core height
BV EI 302 .... / 10.5 mm

inherently short-circuit-proof

no load power loss
type. 1.4 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 302 2020	230	1 – 5	1 x 6	250	7 – 9	1 x 8.2	1
BV EI 302 2025	230	1 – 5	2 x 6	125	6 – 7/9 – 10	2 x 8.4	2
BV EI 302 3058	230	1 – 5	1 x 7.5	200	7 – 9	1 x 10.5	1
BV EI 302 3561	230	1 – 5	2 x 7.5	100	6 – 7/9 – 10	2 x 10.5	2
BV EI 302 2021	230	1 – 5	1 x 9	166	7 – 9	1 x 12.1	1
BV EI 302 2026	230	1 – 5	2 x 9	83	6 – 7/9 – 10	2 x 12.4	2
BV EI 302 2022	230	1 – 5	1 x 12	125	7 – 9	1 x 16.6	1
BV EI 302 2027	230	1 – 5	2 x 12	62	6 – 7/9 – 10	2 x 16.6	2
BV EI 302 2023	230	1 – 5	1 x 15	100	7 – 9	1 x 20.7	1
BV EI 302 2028	230	1 – 5	2 x 15	50	6 – 7/9 – 10	2 x 20.7	2
BV EI 302 2024	230	1 – 5	1 x 18	83	7 – 9	1 x 24.5	1
BV EI 302 2029	230	1 – 5	2 x 18	41	6 – 7/9 – 10	2 x 24.8	2
BV EI 302 3059	230	1 – 5	1 x 21	71	7 – 9	1 x 28.6	1
BV EI 302 2989	230	1 – 5	1 x 24	62	7 – 9	1 x 33.5	1

1.8 VA ta 70 °C/F

Frame size/Core height
BV EI 302 .... / 10.5 mm

non inherently short-circuit-proof with thermo-fuse

no load power loss
type. 2.1 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 302 7015	230	1 – 5	1 x 6	300	7 – 9	1 x 9.8	3
BV EI 302 7016	230	1 – 5	2 x 6	150	6 – 7/9 – 10	2 x 10.6	4
BV EI 302 7017	230	1 – 5	1 x 7.5	240	7 – 9	1 x 12.2	3
BV EI 302 7018	230	1 – 5	2 x 7.5	120	6 – 7/9 – 10	2 x 13.4	4
BV EI 302 7019	230	1 – 5	1 x 9	200	7 – 9	1 x 14.6	3
BV EI 302 7020	230	1 – 5	2 x 9	100	6 – 7/9 – 10	2 x 15.9	4
BV EI 302 7021	230	1 – 5	1 x 12	150	7 – 9	1 x 19.4	3
BV EI 302 7022	230	1 – 5	2 x 12	75	6 – 7/9 – 10	2 x 20.9	4
BV EI 302 7023	230	1 – 5	1 x 15	120	7 – 9	1 x 24.3	3
BV EI 302 7024	230	1 – 5	2 x 15	60	6 – 7/9 – 10	2 x 24.8	4
BV EI 302 7025	230	1 – 5	1 x 18	100	7 – 9	1 x 29.2	3
BV EI 302 7026	230	1 – 5	1 x 21	86	7 – 9	1 x 34.1	3
BV EI 302 7027	230	1 – 5	1 x 24	75	7 – 9	1 x 38.8	3

Printed-Circuit-Board transformers

Output Power: up to 1.8 VA

EI 30

1.8 VA
ta 70° C/F

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

inherently short-circuit-proof

no load power loss
type. 1.0 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 3842	230	1 – 5	1 x 6	300	7 – 9	1 x 9.7	1
BV EI 307 3843	230	1 – 5	2 x 6	150	6 – 7/9 – 10	2 x 9.4	2
BV EI 307 3844	230	1 – 5	1 x 7.5	240	7 – 9	1 x 12.7	1
BV EI 307 3845	230	1 – 5	2 x 7.5	120	6 – 7/9 – 10	2 x 12.4	2
BV EI 307 3846	230	1 – 5	1 x 9	200	7 – 9	1 x 14.5	1
BV EI 307 3847	230	1 – 5	2 x 9	100	6 – 7/9 – 10	2 x 14.3	2
BV EI 307 3801	230	1 – 5	1 x 12	150	7 – 9	1 x 18.7	1
BV EI 307 3848	230	1 – 5	2 x 12	75	6 – 7/9 – 10	2 x 18.9	2
BV EI 307 3849	230	1 – 5	1 x 15	120	7 – 9	1 x 24.5	1
BV EI 307 3850	230	1 – 5	2 x 15	60	6 – 7/9 – 10	2 x 24.5	2
BV EI 307 3851	230	1 – 5	1 x 18	100	7 – 9	1 x 28.4	1
BV EI 307 3852	230	1 – 5	1 x 21	86	7 – 9	1 x 33.4	1
BV EI 307 3853	230	1 – 5	1 x 24	75	7 – 9	1 x 37.9	1

1.8 VA
ta 70° C/F

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

non inherently short-circuit-proof
with thermo-fuse

no load power loss
type. 1.1 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 7079	230	1 – 5	1 x 6	300	7 – 9	1 x 9.8	3
BV EI 307 7080	230	1 – 5	2 x 6	150	6 – 7/9 – 10	2 x 9.8	4
BV EI 307 7081	230	1 – 5	1 x 7.5	240	7 – 9	1 x 12.9	3
BV EI 307 7082	230	1 – 5	2 x 7.5	120	6 – 7/9 – 10	2 x 13.2	4
BV EI 307 7083	230	1 – 5	1 x 9	200	7 – 9	1 x 14.7	3
BV EI 307 7084	230	1 – 5	2 x 9	100	6 – 7/9 – 10	2 x 15.2	4
BV EI 307 7085	230	1 – 5	1 x 12	150	7 – 9	1 x 19.4	3
BV EI 307 7086	230	1 – 5	2 x 12	75	6 – 7/9 – 10	2 x 20.1	4
BV EI 307 7087	230	1 – 5	1 x 15	120	7 – 9	1 x 24.1	3
BV EI 307 7088	230	1 – 5	2 x 15	60	6 – 7/9 – 10	2 x 24.1	4
BV EI 307 7089	230	1 – 5	1 x 18	100	7 – 9	1 x 28.9	3
BV EI 307 7090	230	1 – 5	1 x 21	86	7 – 9	1 x 34.8	3
BV EI 307 7091	230	1 – 5	1 x 24	75	7 – 9	1 x 38.5	3

Printed-Circuit-Board transformers

Output Power: up to 2.3 VA

EI 30

2.3 VA ta 40 °C/F

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

inherently short-circuit-proof

no load power loss
type. 2.0 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 2010	230	1 – 5	1 x 6	383	7 – 9	1 x 8.5	1
BV EI 303 2015	230	1 – 5	2 x 6	191	6 – 7/9 – 10	2 x 9.4	2
BV EI 303 3611	230	1 – 5	1 x 7.5	307	7 – 9	1 x 11.4	1
BV EI 303 3612	230	1 – 5	2 x 7.5	153	6 – 7/9 – 10	2 x 12.4	2
BV EI 303 2011	230	1 – 5	1 x 9	255	7 – 9	1 x 12.9	1
BV EI 303 2016	230	1 – 5	2 x 9	127	6 – 7/9 – 10	2 x 14.6	2
BV EI 303 2012	230	1 – 5	1 x 12	191	7 – 9	1 x 17.4	1
BV EI 303 2017	230	1 – 5	2 x 12	95	6 – 7/9 – 10	2 x 18.7	2
BV EI 303 2013	230	1 – 5	1 x 15	153	7 – 9	1 x 21.6	1
BV EI 303 2018	230	1 – 5	2 x 15	76	6 – 7/9 – 10	2 x 23.5	2
BV EI 303 2014	230	1 – 5	1 x 18	127	7 – 9	1 x 25.8	1
BV EI 303 3563	230	1 – 5	1 x 21	110	7 – 9	1 x 30.2	1
BV EI 303 2991	230	1 – 5	1 x 24	96	7 – 9	1 x 34.3	1

1.9 VA ta 70 °C/F

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

inherently short-circuit-proof

no load power loss
type. 1.2 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 2030	230	1 – 5	1 x 6	316	7 – 9	1 x 8.6	1
BV EI 303 2035	230	1 – 5	2 x 6	158	6 – 7/9 – 10	2 x 9.3	2
BV EI 303 3060	230	1 – 5	1 x 7.5	253	7 – 9	1 x 11.0	1
BV EI 303 2095	230	1 – 5	2 x 7.5	126	6 – 7/9 – 10	2 x 12.3	2
BV EI 303 2031	230	1 – 5	1 x 9	211	7 – 9	1 x 12.9	1
BV EI 303 2036	230	1 – 5	2 x 9	105	6 – 7/9 – 10	2 x 13.9	2
BV EI 303 2032	230	1 – 5	1 x 12	158	7 – 9	1 x 17.2	1
BV EI 303 2037	230	1 – 5	2 x 12	79	6 – 7/9 – 10	2 x 18.5	2
BV EI 303 2033	230	1 – 5	1 x 15	126	7 – 9	1 x 21.5	1
BV EI 303 2038	230	1 – 5	2 x 15	63	6 – 7/9 – 10	2 x 22.0	2
BV EI 303 2034	230	1 – 5	1 x 18	105	7 – 9	1 x 25.8	1
BV EI 303 3013	230	1 – 5	1 x 21	90	7 – 9	1 x 30.0	1
BV EI 303 2100	230	1 – 5	1 x 24	79	7 – 9	1 x 35.5	1

2.3 VA ta 70 °C/F

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

non inherently short-circuit-proof with thermo-fuse

no load power loss
type. 2.0 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 7028	230	1 – 5	1 x 6	383	7 – 9	1 x 9.4	3
BV EI 303 7029	230	1 – 5	2 x 6	191	6 – 7/9 – 10	2 x 9.7	4
BV EI 303 7030	230	1 – 5	1 x 7.5	306	7 – 9	1 x 11.3	3
BV EI 303 7031	230	1 – 5	2 x 7.5	153	6 – 7/9 – 10	2 x 12.2	4
BV EI 303 7032	230	1 – 5	1 x 9	256	7 – 9	1 x 13.8	3
BV EI 303 7033	230	1 – 5	2 x 9	128	6 – 7/9 – 10	2 x 14.3	4
BV EI 303 7034	230	1 – 5	1 x 12	191	7 – 9	1 x 17.4	3
BV EI 303 7035	230	1 – 5	2 x 12	96	6 – 7/9 – 10	2 x 19.1	4
BV EI 303 7036	230	1 – 5	1 x 15	153	7 – 9	1 x 22.3	3
BV EI 303 7037	230	1 – 5	2 x 15	76	6 – 7/9 – 10	2 x 23.7	4
BV EI 303 7038	230	1 – 5	1 x 18	128	7 – 9	1 x 26.4	3
BV EI 303 7039	230	1 – 5	1 x 21	110	7 – 9	1 x 30.5	3
BV EI 303 7040	230	1 – 5	1 x 24	96	7 – 9	1 x 34.0	3

Printed-Circuit-Board transformers

Output Power: up to 2.6 VA

EI 30

2.6 VA ta 40° C/F

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

inherently short-circuit-proof

no load power loss
type. 1.0 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 2040	230	1 – 5	1 x 6	434	7 – 9	1 x 10.4	1
BV EI 304 2045	230	1 – 5	2 x 6	217	6 – 7/9 – 10	2 x 10.8	2
BV EI 304 3564	230	1 – 5	1 x 7.5	346	7 – 9	1 x 12.5	1
BV EI 304 2840	230	1 – 5	2 x 7.5	173	6 – 7/9 – 10	2 x 12.5	2
BV EI 304 2041	230	1 – 5	1 x 9	289	7 – 9	1 x 15.9	1
BV EI 304 2046	230	1 – 5	2 x 9	145	6 – 7/9 – 10	2 x 16.2	2
BV EI 304 2042	230	1 – 5	1 x 12	217	7 – 9	1 x 21.7	1
BV EI 304 2047	230	1 – 5	2 x 12	108	6 – 7/9 – 10	2 x 22.4	2
BV EI 304 2043	230	1 – 5	1 x 15	174	7 – 9	1 x 27.4	1
BV EI 304 2044	230	1 – 5	1 x 18	145	7 – 9	1 x 30.9	1
BV EI 304 2995	230	1 – 5	1 x 21	123	7 – 9	1 x 32.1	1
BV EI 304 2992	230	1 – 5	1 x 24	108	7 – 9	1 x 41.7	1

2.1 VA ta 70° C/F

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

inherently short-circuit-proof

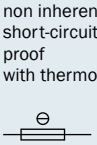
no load power loss
type. 0.7 W

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 2080	230	1 – 5	1 x 6	350	7 – 9	1 x 10.5	1
BV EI 304 2085	230	1 – 5	2 x 6	175	6 – 7/9 – 10	2 x 11.2	2
BV EI 304 2889	230	1 – 5	1 x 7.5	280	7 – 9	1 x 13.7	1
BV EI 304 2773	230	1 – 5	2 x 7.5	140	6 – 7/9 – 10	2 x 14.2	2
BV EI 304 2081	230	1 – 5	1 x 9	234	7 – 9	1 x 16.0	1
BV EI 304 2086	230	1 – 5	2 x 9	117	6 – 7/9 – 10	2 x 16.2	2
BV EI 304 2082	230	1 – 5	1 x 12	175	7 – 9	1 x 21.5	1
BV EI 304 2087	230	1 – 5	2 x 12	88	6 – 7/9 – 10	2 x 22.0	2
BV EI 304 2083	230	1 – 5	1 x 15	140	7 – 9	1 x 26.5	1
BV EI 304 2084	230	1 – 5	1 x 18	117	7 – 9	1 x 30.0	1
BV EI 304 2843	230	1 – 5	1 x 21	100	7 – 9	1 x 33.4	1
BV EI 304 2868	230	1 – 5	1 x 24	88	7 – 9	1 x 37.3	1

2.4 VA ta 70° C/F

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

non inherently short-circuit-proof with thermo-fuse



no load power loss
type. 1.0 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 7041	230	1 – 5	1 x 6	400	7 – 9	1 x 10.6	3
BV EI 304 7042	230	1 – 5	2 x 6	200	6 – 7/9 – 10	2 x 10.1	4
BV EI 304 7043	230	1 – 5	1 x 7.5	320	7 – 9	1 x 13.2	3
BV EI 304 7044	230	1 – 5	2 x 7.5	160	6 – 7/9 – 10	2 x 13.2	4
BV EI 304 7045	230	1 – 5	1 x 9	266	7 – 9	1 x 16.3	3
BV EI 304 7046	230	1 – 5	2 x 9	133	6 – 7/9 – 10	2 x 16.9	4
BV EI 304 7047	230	1 – 5	1 x 12	200	7 – 9	1 x 21.8	3
BV EI 304 7048	230	1 – 5	2 x 12	100	6 – 7/9 – 10	2 x 21.8	4
BV EI 304 7049	230	1 – 5	1 x 15	160	7 – 9	1 x 26.7	3
BV EI 304 7095	230	1 – 5	2 x 15	80	6 – 7/9 – 10	2 x 24.7	4
BV EI 304 7050	230	1 – 5	1 x 18	133	7 – 9	1 x 32.6	3
BV EI 304 7051	230	1 – 5	1 x 21	114	7 – 9	1 x 37.2	3
BV EI 304 7052	230	1 – 5	1 x 24	100	7 – 9	1 x 42.3	3

Printed-Circuit-Board transformers

Output Power: up to 3.0 VA

EI 30

3.0 VA ta 40°C/F

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

inherently short-circuit-proof

no load power loss
type. 1.0 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 2050	230	1 – 5	1 x 6	500	7 – 9	1 x 10.7	1
BV EI 305 2055	230	1 – 5	2 x 6	250	6 – 7/9 – 10	2 x 10.7	2
BV EI 305 3565	230	1 – 5	1 x 7.5	400	7 – 9	1 x 13.7	1
BV EI 305 2922	230	1 – 5	2 x 7.5	200	6 – 7/9 – 10	2 x 13.7	2
BV EI 305 2051	230	1 – 5	1 x 9	334	7 – 9	1 x 17.3	1
BV EI 305 2056	230	1 – 5	2 x 9	167	6 – 7/9 – 10	2 x 15.7	2
BV EI 305 2052	230	1 – 5	1 x 12	250	7 – 9	1 x 20.3	1
BV EI 305 2057	230	1 – 5	2 x 12	125	6 – 7/9 – 10	2 x 20.3	2
BV EI 305 2053	230	1 – 5	1 x 15	200	7 – 9	1 x 26.7	1
BV EI 305 2054	230	1 – 5	1 x 18	167	7 – 9	1 x 32.5	1
BV EI 305 2188	230	1 – 5	1 x 21	143	7 – 9	1 x 35.7	1
BV EI 305 2993	230	1 – 5	1 x 24	125	7 – 9	1 x 42.0	1

2.3 VA ta 70°C/F

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

inherently short-circuit-proof

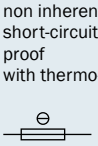
no load power loss
type. 0.8 W

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 2878	230	1 – 5	1 x 6	383	7 – 9	1 x 11.6	1
BV EI 305 2882	230	1 – 5	2 x 6	192	6 – 7/9 – 10	2 x 10.9	2
BV EI 305 2893	230	1 – 5	1 x 7.5	307	7 – 9	1 x 15.2	1
BV EI 305 2894	230	1 – 5	2 x 7.5	153	6 – 7/9 – 10	2 x 13.0	2
BV EI 305 2879	230	1 – 5	1 x 9	255	7 – 9	1 x 17.6	1
BV EI 305 2866	230	1 – 5	2 x 9	127	6 – 7/9 – 10	2 x 16.1	2
BV EI 305 2800	230	1 – 5	1 x 12	192	7 – 9	1 x 21.4	1
BV EI 305 2847	230	1 – 5	2 x 12	96	6 – 7/9 – 10	2 x 21.5	2
BV EI 305 2805	230	1 – 5	1 x 15	153	7 – 9	1 x 28.2	1
BV EI 305 2844	230	1 – 5	2 x 15	76	6 – 7/9 – 10	2 x 24.5	2
BV EI 305 2851	230	1 – 5	1 x 18	128	7 – 9	1 x 32.4	1
BV EI 305 2772	230	1 – 5	1 x 21	110	7 – 9	1 x 38.4	1
BV EI 305 2874	230	1 – 5	1 x 24	96	7 – 9	1 x 45.4	1

2.7 VA ta 70°C/F

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

non inherently short-circuit-proof with thermo-fuse



no load power loss
type. 1.0 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 7053	230	1 – 5	1 x 6	450	7 – 9	1 x 10.9	3
BV EI 305 7054	230	1 – 5	2 x 6	225	6 – 7/9 – 10	2 x 10.3	4
BV EI 305 7055	230	1 – 5	1 x 7.5	360	7 – 9	1 x 13.7	3
BV EI 305 7056	230	1 – 5	2 x 7.5	180	6 – 7/9 – 10	2 x 13.4	4
BV EI 305 7057	230	1 – 5	1 x 9	300	7 – 9	1 x 16.2	3
BV EI 305 7058	230	1 – 5	2 x 9	150	6 – 7/9 – 10	2 x 16.8	4
BV EI 305 7059	230	1 – 5	1 x 12	225	7 – 9	1 x 20.7	3
BV EI 305 7060	230	1 – 5	2 x 12	112	6 – 7/9 – 10	2 x 22.1	4
BV EI 305 7061	230	1 – 5	1 x 15	180	7 – 9	1 x 26.6	3
BV EI 305 7062	230	1 – 5	2 x 15	90	6 – 7/9 – 10	2 x 24.6	4
BV EI 305 7063	230	1 – 5	1 x 18	150	7 – 9	1 x 33.0	3
BV EI 305 7064	230	1 – 5	1 x 21	128	7 – 9	1 x 37.6	3
BV EI 305 7065	230	1 – 5	1 x 24	112	7 – 9	1 x 42.9	3

Printed-Circuit-Board transformers

Output Power: up to 3.6 VA

EI 30

3.6 VA ta 40° C/F

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

inherently short-circuit-proof

no load power loss
type. 1.3 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 3595	230	1 – 5	1 x 6	600	7 – 9	1 x 10.8	1
BV EI 306 3596	230	1 – 5	2 x 6	300	6 – 7/9 – 10	2 x 10.8	2
BV EI 306 3597	230	1 – 5	1 x 7.5	480	7 – 9	1 x 13.3	1
BV EI 306 3598	230	1 – 5	2 x 7.5	240	6 – 7/9 – 10	2 x 13.3	2
BV EI 306 3599	230	1 – 5	1 x 9	400	7 – 9	1 x 15.7	1
BV EI 306 3600	230	1 – 5	2 x 9	200	6 – 7/9 – 10	2 x 15.7	2
BV EI 306 3601	230	1 – 5	1 x 12	300	7 – 9	1 x 21.0	1
BV EI 306 3602	230	1 – 5	2 x 12	150	6 – 7/9 – 10	2 x 21.0	2
BV EI 306 3603	230	1 – 5	1 x 15	240	7 – 9	1 x 24.5	1
BV EI 306 3604	230	1 – 5	2 x 15	120	6 – 7/9 – 10	2 x 24.5	2
BV EI 306 3605	230	1 – 5	1 x 18	200	7 – 9	1 x 31.4	1
BV EI 306 3606	230	1 – 5	1 x 21	171	7 – 9	1 x 35.5	1
BV EI 306 3607	230	1 – 5	1 x 24	150	7 – 9	1 x 42.0	1

3.0 VA ta 70° C/F

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

inherently short-circuit-proof

no load power loss
type. 0.8 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 3359	230	1 – 5	1 x 6	500	7 – 9	1 x 10.5	1
BV EI 306 3360	230	1 – 5	2 x 6	250	6 – 7/9 – 10	2 x 10.5	2
BV EI 306 3361	230	1 – 5	1 x 7.5	400	7 – 9	1 x 12.7	1
BV EI 306 3362	230	1 – 5	2 x 7.5	200	6 – 7/9 – 10	2 x 12.7	2
BV EI 306 3363	230	1 – 5	1 x 9	333	7 – 9	1 x 15.9	1
BV EI 306 3364	230	1 – 5	2 x 9	167	6 – 7/9 – 10	2 x 15.9	2
BV EI 306 3365	230	1 – 5	1 x 12	250	7 – 9	1 x 20.3	1
BV EI 306 3366	230	1 – 5	2 x 12	125	6 – 7/9 – 10	2 x 20.3	2
BV EI 306 3367	230	1 – 5	1 x 15	200	7 – 9	1 x 23.8	1
BV EI 306 3368	230	1 – 5	2 x 15	100	6 – 7/9 – 10	2 x 24.0	2
BV EI 306 3369	230	1 – 5	1 x 18	167	7 – 9	1 x 29.2	1
BV EI 306 3371	230	1 – 5	1 x 21	143	7 – 9	1 x 34.3	1
BV EI 306 3372	230	1 – 5	1 x 24	125	7 – 9	1 x 38.4	1

3.4 VA ta 70° C/F

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

non inherently short-circuit-proof with thermo-fuse

no load power loss
type. 1.3 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 7066	230	1 – 5	1 x 6	566	7 – 9	1 x 11.0	3
BV EI 306 7067	230	1 – 5	2 x 6	283	6 – 7/9 – 10	2 x 10.7	4
BV EI 306 7068	230	1 – 5	1 x 7.5	453	7 – 9	1 x 13.6	3
BV EI 306 7069	230	1 – 5	2 x 7.5	226	6 – 7/9 – 10	2 x 12.4	4
BV EI 306 7070	230	1 – 5	1 x 9	378	7 – 9	1 x 16.0	3
BV EI 306 7071	230	1 – 5	2 x 9	189	6 – 7/9 – 10	2 x 16.8	4
BV EI 306 7072	230	1 – 5	1 x 12	283	7 – 9	1 x 21.0	3
BV EI 306 7073	230	1 – 5	2 x 12	141	6 – 7/9 – 10	2 x 22.1	4
BV EI 306 7074	230	1 – 5	1 x 15	226	7 – 9	1 x 26.0	3
BV EI 306 7075	230	1 – 5	2 x 15	113	6 – 7/9 – 10	2 x 24.6	4
BV EI 306 7076	230	1 – 5	1 x 18	189	7 – 9	1 x 32.2	3
BV EI 306 7077	230	1 – 5	1 x 21	162	7 – 9	1 x 37.5	3
BV EI 306 7078	230	1 – 5	1 x 24	141	7 – 9	1 x 43.1	3