



Printed-Circuit-Board Flat-type transformers

UI 30

Output Power: 3.0 VA – 16.0 VA

	DIN EN 61558	2147944.01
Report of passed Glow-Wire-Test	DIN EN 60335-1, clause 30.2.3.1 and 30.2.3.2	102961/84814
	UL 5085-1	E98173
	UL 5085-2	E98173
	CSA C22.2-66.1-06	E98173
	CSA C22.2-66.2-06	E98173

- according to REACH regulation
- according to RoHS regulation

Further certifications / approvals on request!



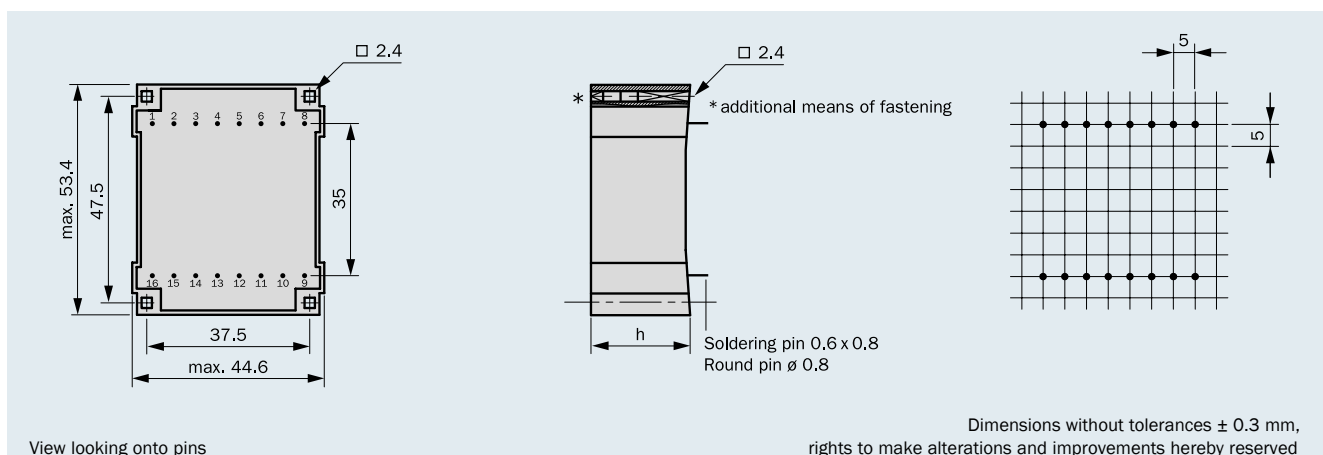
- Output Power up to 16.0 VA
- Temperature class ta 70 °C/B, but non short-circuit-proof
- Vacuum-encapsulated, bobbin type with dual chamber windings
- Excellent temperature fluctuation resistance properties
- High electrical safety and long service-life features
- High voltage resistance up to 6000 V
- Self-extinguishing cast housing and sealing material
- 100 % piece inspection

Protection extern secondary by:

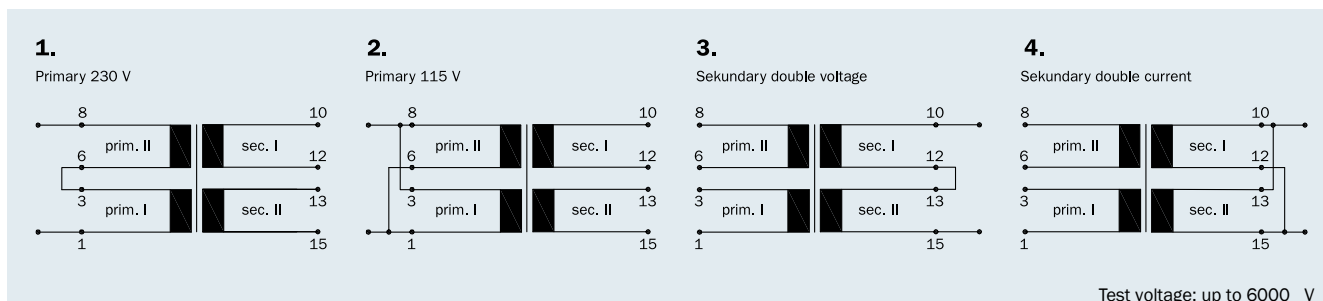
- Micro fuse according to IEC 127

Parallel to the cataloged UI 30 series transformers, HAHN also produces other variants, e. g. with integrated thermo fuse or thermo switch.

Connecting pins



Connection scheme (only connected pins are present)



Frame size/Core height	Output Power ta 70 °C/B	Size (h)	Weight	Packaging unit
BV UI 301 / 5.5 mm	3.0 VA	max. 18.1 mm	0.130 kg	20 pieces
BV UI 302 / 7.5 mm	4.0 VA	max. 20.2 mm	0.150 kg	20 pieces
BV UI 303 / 10.5 mm	6.0 VA	max. 23.1 mm	0.180 kg	20 pieces
BV UI 304 / 16.5 mm	10.0 VA	max. 29.1 mm	0.260 kg	20 pieces
BV UI 305 / 26.0 mm	16.0 VA	max. 40.0 mm	0.370 kg	20 pieces



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Output Power: up to 16.0 VA

UI 30

3.0 VA ta 70 °C/B

Frame size/Core height
**BV UI 301.... /
5.5 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 UI 301 0167	2 x 115	1-3/6-8	2 x 6	250	10-12/13-15	2 x 7.9	1-4
BV UI 301 0168	2 x 115	1-3/6-8	2 x 9	167	10-12/13-15	2 x 14.0	1-4
BV UI 301 0133	2 x 115	1-3/6-8	2 x 12	126	10-12/13-15	2 x 18.4	1-4
BV UI 301 0166	2 x 115	1-3/6-8	2 x 15	100	10-12/13-15	2 x 22.8	1-4

4.0 VA ta 70 °C/B

Frame size/Core height
**BV UI 302.... /
7.5 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 UI 302 0164	2 x 115	1-3/6-8	2 x 6	333	10-12/13-15	2 x 10.1	1-4
BV UI 302 0161	2 x 115	1-3/6-8	2 x 9	222	10-12/13-15	2 x 13.5	1-4
BV UI 302 0144	2 x 115	1-3/6-8	2 x 12	166	10-12/13-15	2 x 20.2	1-4
BV UI 302 0165	2 x 115	1-3/6-8	2 x 15	133	10-12/13-15	2 x 24.9	1-4

6.0 VA ta 70 °C/B

Frame size/Core height
**BV UI 303.... /
10.5 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 UI 303 0162	2 x 115	1-3/6-8	2 x 6	500	10-12/13-15	2 x 9.0	1-4
BV UI 303 0179	2 x 115	1-3/6-8	2 x 7.5	400	10-12/13-15	2 x 11.4	1-4
BV UI 303 0158	2 x 115	1-3/6-8	2 x 9	334	10-12/13-15	2 x 12.8	1-4
BV UI 303 0145	2 x 115	1-3/6-8	2 x 12	250	10-12/13-15	2 x 17.2	1-4
BV UI 303 0163	2 x 115	1-3/6-8	2 x 15	200	10-12/13-15	2 x 21.8	1-4

10.0 VA ta 70 °C/B

Frame size/Core height
**BV UI 304.... /
16.5 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 UI 304 0155	2 x 115	1-3/6-8	2 x 6	833	10-12/13-15	2 x 8.7	1-4
BV UI 304 0129	2 x 115	1-3/6-8	2 x 7.5	667	10-12/13-15	2 x 10.0	1-4
BV UI 304 0153	2 x 115	1-3/6-8	2 x 9	555	10-12/13-15	2 x 12.4	1-4
BV UI 304 0154	2 x 115	1-3/6-8	2 x 12	416	10-12/13-15	2 x 16.0	1-4
BV UI 304 0136	2 x 115	1-3/6-8	2 x 15	333	10-12/13-15	2 x 19.7	1-4
BV UI 304 0159	2 x 115	1-3/6-8	2 x 18	277	10-12/13-15	2 x 23.4	1-4

16.0 VA ta 70 °C/B

Frame size/Core height
**BV UI 305.... /
26.0 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 UI 305 0147	2 x 115	1-3/6-8	2 x 6	1330	10-12/13-15	2 x 7.5	1-4
BV UI 305 0148	2 x 115	1-3/6-8	2 x 9	888	10-12/13-15	2 x 10.9	1-4
BV UI 305 0149	2 x 115	1-3/6-8	2 x 12	666	10-12/13-15	2 x 14.6	1-4
BV UI 305 0150	2 x 115	1-3/6-8	2 x 15	533	10-12/13-15	2 x 18.0	1-4
BV UI 305 0151	2 x 115	1-3/6-8	2 x 18	444	10-12/13-15	2 x 21,5	1-4
BV UI 305 0152	2 x 115	1-3/6-8	2 x 21	380	10-12/13-15	2 x 25,0	1-4