



# Printed-Circuit-Board Flat-type transformers

# UI 30

Output Power: 3.0 VA – 16.0 VA

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

- according to REACH regulation
- according to RoHS regulation

**Further certifications / approvals on request!**



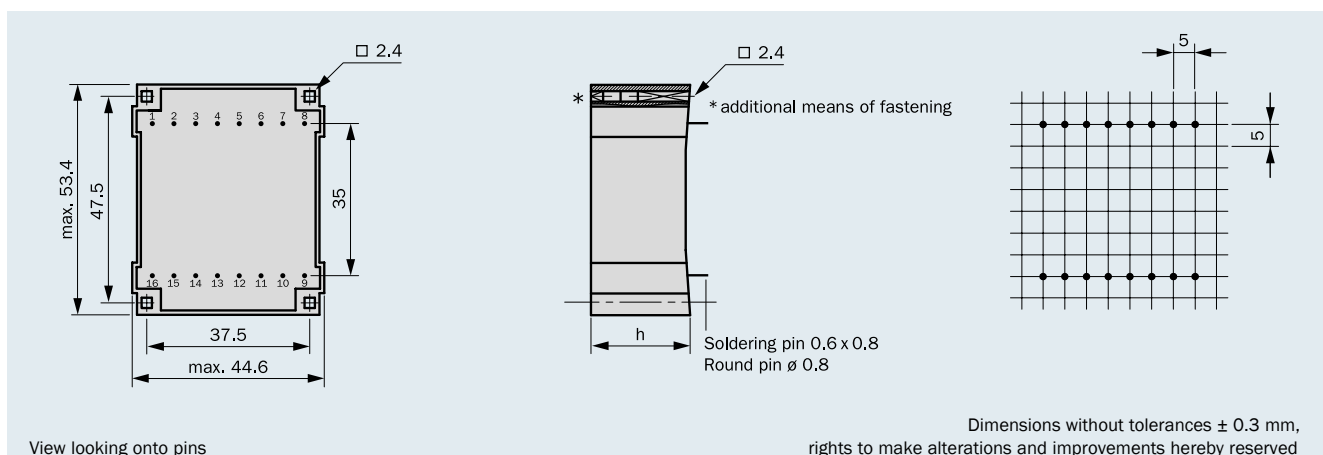
- Output Power up to 16.0 VA
- Temperature class ta 70 °C/B, but non short-circuit-proof
- Vacuum-encapsulated, bobbin type with dual chamber windings
- Excellent temperature fluctuation resistance properties
- High electrical safety and long service-life features
- High voltage resistance up to 6000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

Protection extern secondary by:

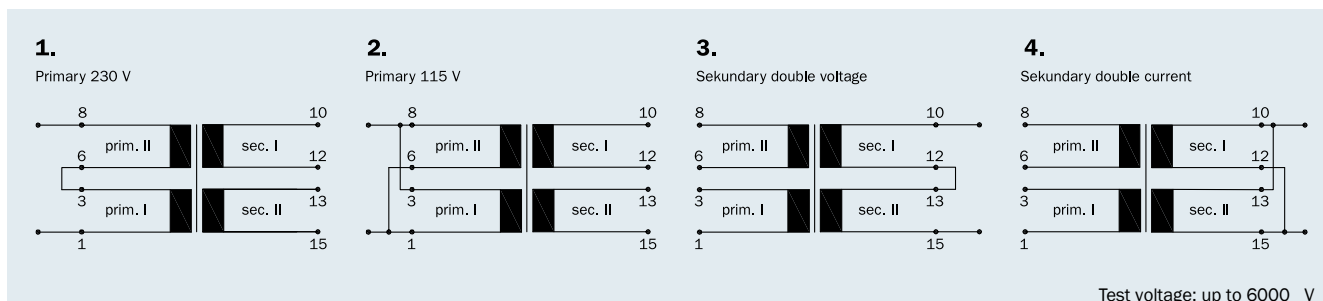
- Micro fuse according to IEC 127

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)



Test voltage: up to 6000 V

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

## 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