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| Product summary |
| Printed Circuit-Board transformers |
| Flat-type transformers |
| Frame size UI 21 |
| Frame size EI 34 |
| Frame size UI 30 |
| Frame size UI 39 |
| Frame size UI 48 |
| RAST 5 transformers |
| SMPS transformers |
| Special solutions / customized versions |
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| Non-encapsulated transformers |
| Fine-wire-coils |
| Electrical Power Supply Facilities |
| Compact power supply units |
| Energy storage choke |
| Toroidal transformers |
| Ignition transformers / Electric ignition devices |
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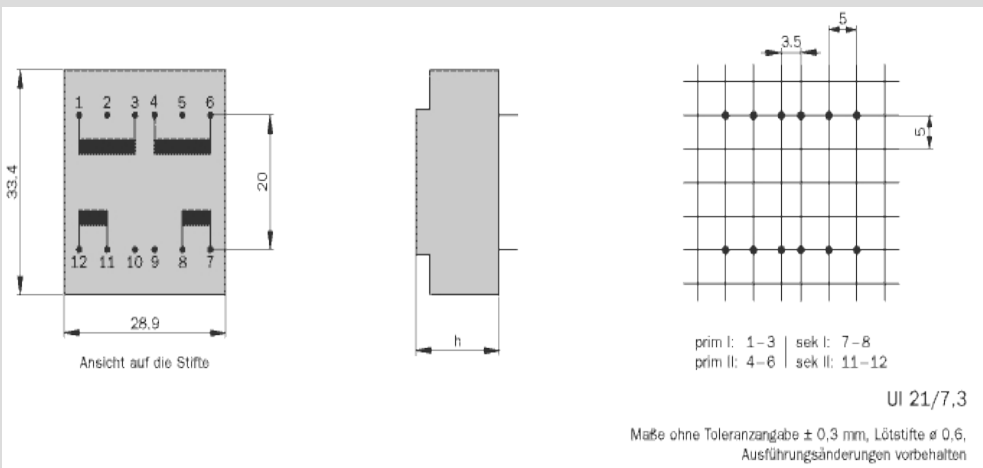
UI 21 Flat-type transformers, output capacity up to 1,0 VA



- Capacity up to 1.0VA
- Temperature class ta 70 °C/B
- Absolutely short-circuit-proof
- Test certification to ENEC 05-, KEMA KEUR-, CSA- and UL-regulations
- Excellent temperature fluctuation resistance properties
- Vacuum-encapsulated, bobbin type with dual chamber windings
- High electrical safety and long service-life features
- High voltage resistance
- Self-extinguishing cast housing and sealing material
- Item quality certification

HAHN flat-type transformers with Compact designing, consistent long servicelife and durability for all applications.

Several hundreds of serial item sizes provide the highest degree of flexibility wherever flat-type construction components are required. Dual, primary and secondary voltages provide additional flexibility in development work. Approved under Standard EN 61558.



| Frame size/Core height | Output ta 70°C/B (VA) | Height h1 (mm) | Weightt kg | Packaging unit (pcs) |
|------------------------|-----------------------|----------------|------------|----------------------|
| BV UI 21 ... / 7.3 mm | 1.0 | 14.9 | 0.05 | 40 |

HAHN flat-type transformers UI 21, UI 30, UI 39, UI 48

An extensive standard range with capacities from 1.0 - 60.0 VA. HAHN transformers are quality products meeting all demands placed on a highly developed electro-technical equipment. Of course, item quality certified, vacuum-encapsulated and tested with 6000V prim/sec. (VDE 0570 and CEE 15 regulations require only 3750 V). Leakage distance and air paths at least 10 mm. Temperature class ta 70°C/B as per VDE 0570, EN 61558 and CEE 15 regulations/standards. An innovative insulation technique in the provides for even greater primary and secondary voltage stability casting, in all sizes of the UI 30 to UI 39 types.

- Capacity: 1.0 VA
- ta 70 °C/B as per VDE 0570/ EN 61558 regulations/standards
- Circuit for 115 V Bridge: 1 to 4 and 3 to 6
- Circuit for 230 V Bridge: 4 to 4
- Secondary double current bridge: 7 to 11 and 8 to 12
- Secondary double voltage bridge: 8 to 11
- Test voltage: 6000 V

Serial-Types

| data sheet | article no. | power VA | primary voltage V | connecting pins prim. | secondary voltage V | current sec. mA | connecting pins sek. | |
|------------|---------------|----------|-------------------|-----------------------|---------------------|-----------------|----------------------|---------|
| --- | BV UI 21 0011 | 1 | 1x 230 | 1-3 | 1x 3 | 333 | 7-8 | 1x 4.7 |
| --- | BV UI 21 0012 | 1 | 1x 230 | 1-3 | 1x 6 | 166 | 7-8 | 1x 10.4 |
| --- | BV UI 21 0013 | 1 | 1x 230 | 1-3 | 1x 7.5 | 133 | 7-8 | 1x 12.9 |
| --- | BV UI 21 0014 | 1 | 1x 230 | 1-3 | 1x 9 | 111 | 7-8 | 1x 14.4 |
| --- | BV UI 21 0015 | 1 | 1x 230 | 1-3 | 1x 10 | 100 | 7-8 | 1x 15.4 |
| --- | BV UI 21 0016 | 1 | 1x 230 | 1-3 | 1x 12 | 83 | 7-8 | 1x 20.4 |
| --- | BV UI 21 0017 | 1 | 1x 230 | 1-3 | 1x 15 | 67 | 7-8 | 1x 24.6 |
| --- | BV UI 21 0018 | 1 | 1x 230 | 1-3 | 1x 18 | 56 | 7-8 | 1x 29.1 |
| --- | BV UI 21 0019 | 1 | 1x 230 | 1-3 | 1x 21 | 47 | 7-8 | 1x 34 |
| --- | BV UI 21 0021 | 1 | 1x 230 | 1-3 | 1x 24 | 42 | 7-8 | 1x 39.7 |

| data sheet | article no. | power VA | primary voltage V | connecting pins prim. | secondary voltage V | current sec. mA | connecting pins sek. | |
|------------|---------------|----------|-------------------|-----------------------|---------------------|-----------------|----------------------|---------|
| --- | BV UI 21 0001 | 1 | 2x 115 | 1-3/4-6 | 2x 3 | 166 | 7-8/11-12 | 2x 5.8 |
| --- | BV UI 21 0002 | 1 | 2x 115 | 1-3/4-6 | 2x 6 | 82 | 7-8/11-12 | 2x 11.4 |
| --- | BV UI 21 0003 | 1 | 2x 115 | 1-3/4-6 | 2x 9 | 56 | 7-8/11-12 | 1x 17.1 |
| --- | BV UI 21 0004 | 1 | 2x 115 | 1-3/4-6 | 2x 12 | 41 | 7-8/11-12 | 2x 21.8 |
| --- | BV UI 21 0005 | 1 | 2x 115 | 1-3/4-6 | 2x 15 | 33 | 7-8/11-12 | 2x 26.9 |
| --- | BV UI 21 0006 | 1 | 2x 115 | 1-3/4-6 | 2x 18 | 27 | 7-8/11-12 | 2x 30 |
| --- | BV UI 21 0007 | 1 | 2x 115 | 1-3/4-6 | 2x 21 | 23 | 7-8/11-12 | 2x 36.6 |
| --- | BV UI 21 0008 | 1 | 2x 115 | 1-3/4-6 | 2x 7.5 | 67 | 7-8/11-12 | 2x 13.1 |
| --- | BV UI 21 0009 | 1 | 2x 115 | 1-3/4-6 | 2x 10 | 50 | 7-8/11-12 | 2x 17.4 |

We also supply other dimensions and performance data. Ask us, we shall be glad to meet your special requirements!

