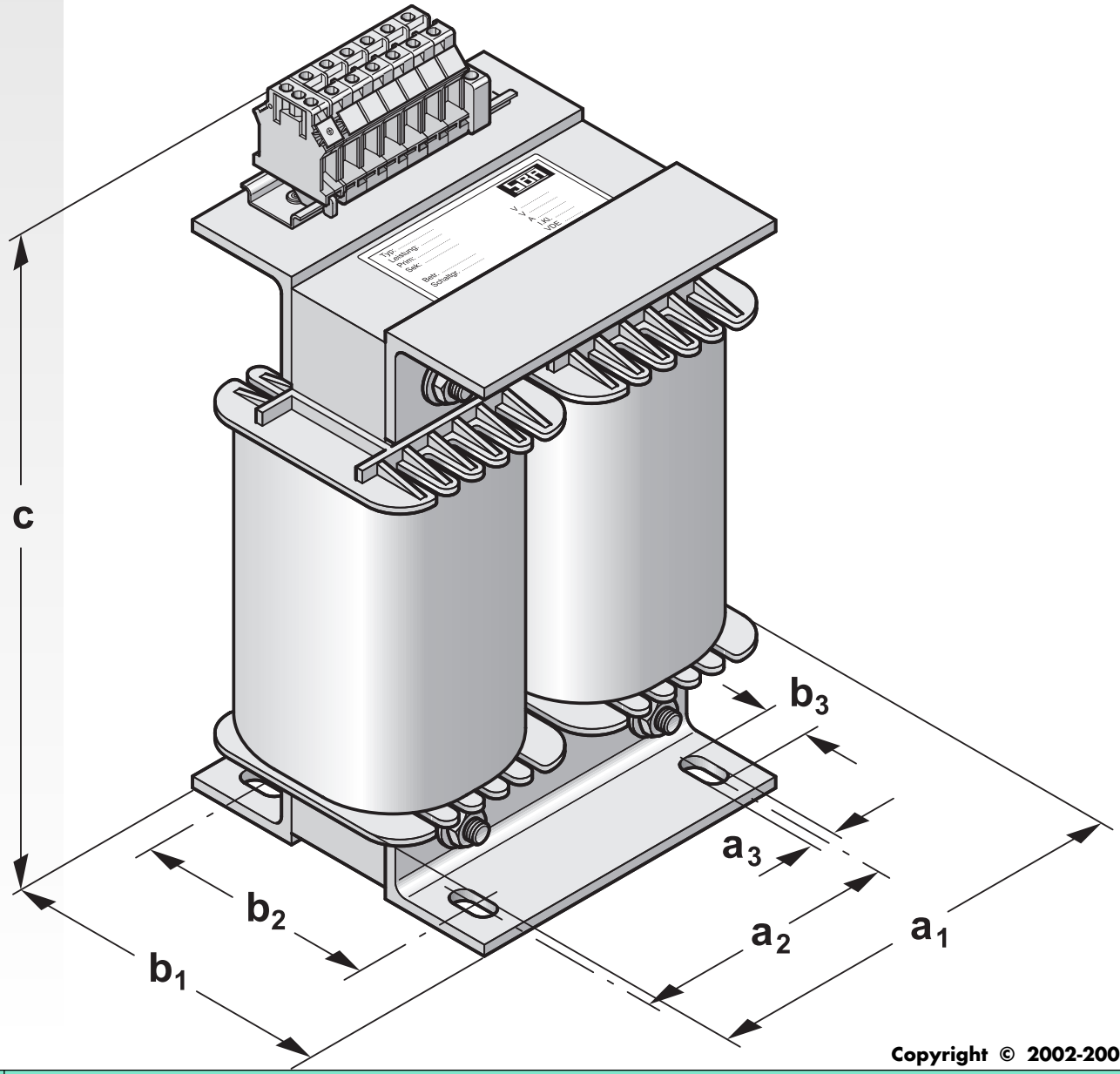
Type UTM

Single-phase isolating transformers to VDE 0100 part 710
VDE 0570-2-15 / EN 61558-2-15

Application

Transformers supplying electric circuits or equipment in hospital rooms (e.g., bedrooms, examination rooms, operation theaters, etc.). Isolating transformers are preferably used in IT systems and rooms with group 2 medical (application) equipment, i.e. the isolating transformer must not switch off automatically and conform to the standard for permanent incorporation in protection class II (without protective conductor and with double or extra strong insulation of all parts of the transformer). The transformer is available for protection class I on request. The required protection class should expressly be specified in the order



Type UTM

SINGLE-PHASE ISOLATING TRANSFORMERS

for installation in medical equipment rooms

5 Year WARRANTY

Construction

- Open construction (IP 00, incorporation up to max. IP 23)
- **Due to the integration of a PTC thermistor in each coil, external monitoring arrangement potecting from overload must be provided**
- Separated windings by shielding winding and double/extra strong insulation (safe separation)
- Required space according to DIN 41308
- Connections to safe-to-touch screw terminals in accordance with VBG 4 with self-releasing clamp (additional clamp type terminal on request)
- High-grade, tropicalized vacuum impregnation in black polyester impregnating resin
- Wear-resistant, heat, UV and solvent resistant nameplate

Specifications

Output range	3.2 kVA - 8.0 kVA
Input voltage	230 V
Output voltage	115 - 0 - 115 V
Output current	max. 34.8 A
Frequency	50-60 Hz
Vector group	li0 with shielding winding
Protection class	II (prepared)
Protection index	IP 00
Insulation class	B
Ambient temperature	max. 40° C
Short-circuit voltage	
switching capacity	< 3%
No-load current	< 3%
Inrush current	< 12 times rated current

Special versions

- With wrapped thermal switches instead of PTC thermistors
- With lower inrush current (8 x) like in prior norm VDE 0107
- Designed to protection class I
- Wider output range (0.5 kVA - 10 kVA)
- Wider Input voltage range (max. 1000 V AC)

Overview

Size	Rated output	gl/gl to VDE 0636-31 Recommended fuse		Total weight	Copper weight	Dimensions						
		primary	ssecondary			a_1	b_1	a_2	b_2	a_3	b_3	c
	kVA (DB)	A	A	appr. kg	appr. kg	approx. mm						
127-5069	3.2	25	16	38.0	14.0	235	153	144	125	10	18	360
129-5050	4.0	35	20	51.0	17.0	235	183	144	135	10	18	360
130-5030	5.0	35	25	61.0	24.0	275	173	176	143	12	18	435
131-5020*	6.3	50	35	77.0	27.0	275	203	176	173	12	18	435
132-5002*	8.0	63	35	88.0	36.0	305	233	176	203	12	18	435

The values in the table above are for the thermal steady state at 40°C ambient temperature.
* With 2 eyebolts

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