

## Type RKT

Single-phase ring core transformers as

Single-phase power transformers

Single-phase isolating transformers

Single-phase safety isolating transformers

Single-phase autotransformers

VDE 0570-2-1 / EN 61558-2-1

VDE 0570-2-4 / EN 61558-2-4

VDE 0570-2-6 / EN 61558-2-6

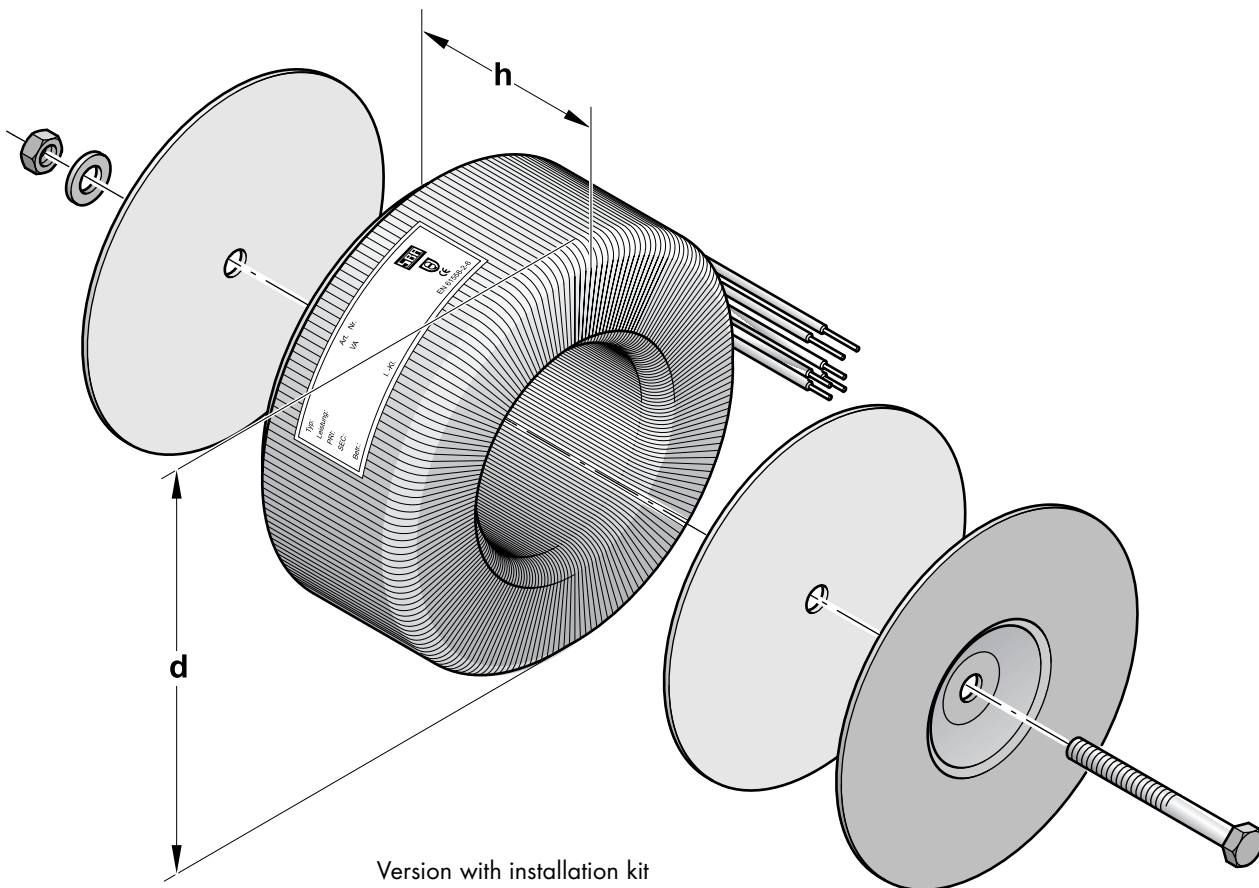
VDE 0570-2-13 / EN 61558-2-13

### Application

Transformers supplying electrical consumers in control and regulating environments where space is a consideration. Low weight, minimum no-load loss, no humming, no interference fields and the excellent adaptation to a defined volume are some of the special features of these transformers.

Reliable system separation is obtained by the use as isolating or safety isolating transformer.

Dimensioning as autotransformer brings substantial savings in comparison with transformers with separate windings.



# TYP A BK T

## SINGLE-PHASE RING CORE TRANSFORMERS



### Construction

- ➔ Open construction IP 00, incorporation up to max. IP 23
- ➔ Ring core transformer vacuum impregnated with free wire and stranded conductor connections
- ➔ Same as above but with sealing of the remaining hole on installation plate or installation kit
- ➔ Ring core transformer in encapsulated housing as cast resin design (free wire and stranded conductor connections)
- ➔ Wear-resistant, heat, UV and solvent resistant nameplate

### Special design versions

- ➔ Additional windings and taps
- ➔ Screen as wire or foil winding
- ➔ DC power supply with ring core transformer
- ➔ Thermal switch, thermal link, PTC thermistor
- ➔ Design according to VDE 0750 on request
- ➔ Other design versions are possible

### Specifications

Output range	110 VA - 1000 VA (higher output on request)
Input voltage	max. 690 V
Output voltage	max. 690 V
Output current	max. 65 A
Frequency	50-60 Hz
Vector group	depends on the required design version
Protection class	II
Protection index	IP 00
Insulation class	B
Ambient temperature	max. 40°C

### Overview

Size	Rated output VA (DB)	Total weight kg	Copper weight appr.kg	d	dimensions approx. mm	h	Fastening- screw
380	10	0.3	0.1	58		32	M5
381	20	0.4	0.1	71		36	M6
382	30	0.5	0.2	73		38	M6
383	50	0.7	0.2	76		42	M6
384	63	0.9	0.3	78		45	M6
385	80	1.0	0.3	91		46	M6
386	100	1.2	0.4	93		48	M6
387	125	1.3	0.4	96		54	M6
388	160	1.6	0.6	118		49	M8
389	200	1.9	0.7	118		50	M8
390	250	2.3	0.8	119		50	M8
391	320	2.8	0.9	140		65	M8
392	400	3.4	1.3	140		67	M8
393	500	4.0	1.4	140		75	M8
394	630	5.0	1.8	142		79	M8
395	800	6.1	1.9	166		73	M8
396	1000	7.4	2.4	170		85	M8

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

Note: Total height of the ring core equals dimension h plus the thickness (approx. 3 mm) of the installation kit.

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