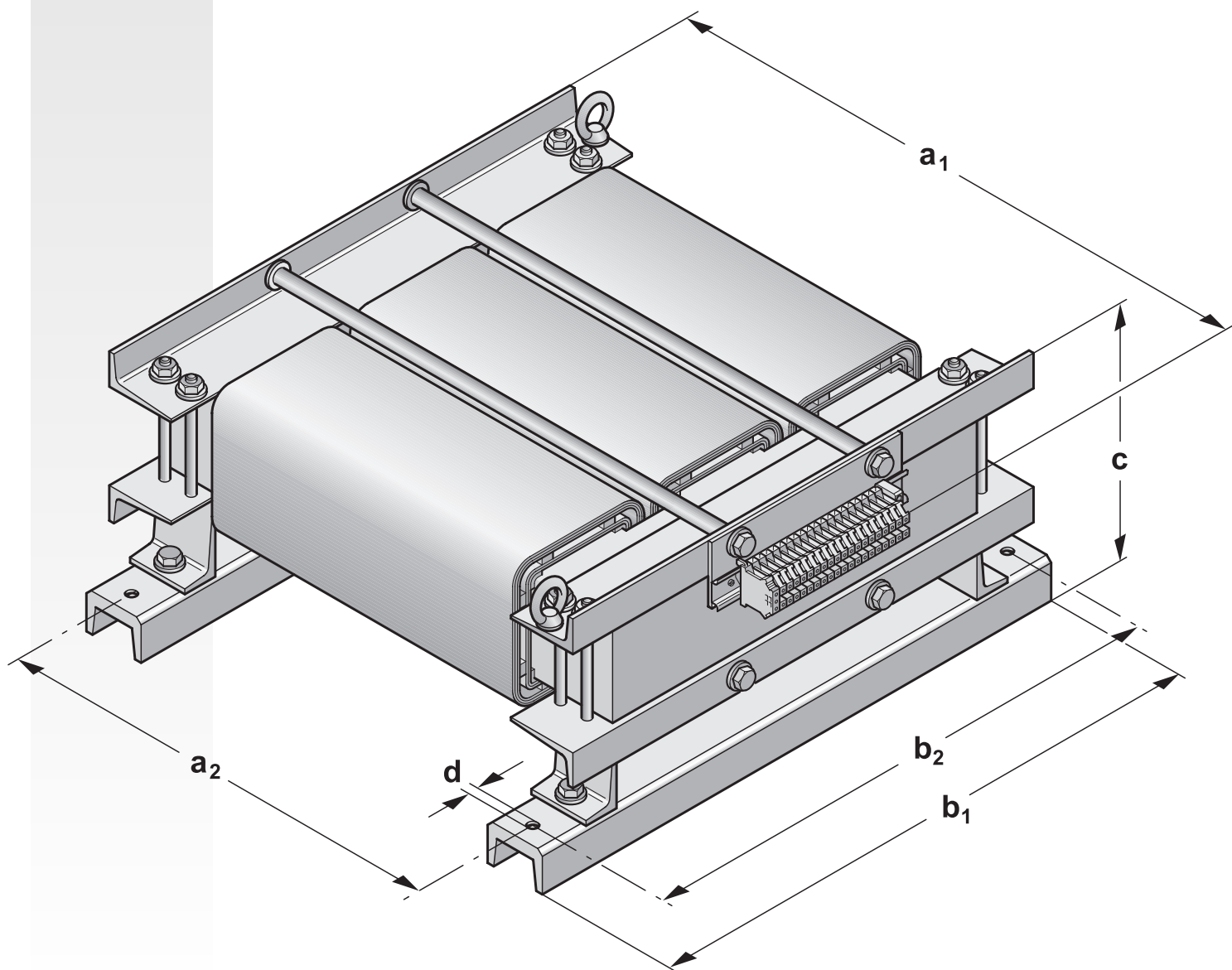


Type DTL

Three-phase transformers to VDE 0532

Application

To supply electrical consumers with higher power consumption, e.g. furnaces, melting troughs, converter drives, production lines, etc. Customized specification and dimensions ensure optimal application.



TYPE DTL

THREE-PHASE TRANSFORMERS



Construction

- ➔ Open construction (IP 00, incorporation up to max. IP 23)
- ➔ Separated winding
- ➔ Resting on U- sections
- ➔ Connections to safe-to-touch screw terminals in accordance with VBG 4 with self-releasing clamp (higher current ratings to studs or flat termination with bolt)
- ➔ High-grade, tropicalized vacuum impregnation in black polyester impregnating resin
- ➔ Wear-resistant, heat, UV and solvent resistant nameplate
- ➔ **Special versions** available on request

Specifications

Output range	40 kVA - 250 kVA
Input voltage	max. 750 V
Output voltage	max. 750 V
Output current to	
-Screw terminals	max. 135 A
-Studs	max. 450 A
-Flat termination	max. 1500 A
Frequency	50-60 Hz
Vector group	Yy0
Protection class	I
Protection index	IP 00
Insulation class	B/F
Ambient temperature	max. 40°C

Overview

Size	Rated output	Short-circuit voltage u_r	Total-weight	Copper weight	a_1	b_1	Dimensions		d	c
	kVA (DB)						appr. %	appr. kg		
249	40	3.15	190.0	56.0	670	650	495	610	13	270
237	50	2.70	220.0	64.0	670	650	495	610	13	285
239	63	2.09	270.0	77.0	670	650	495	610	13	310
248	80	2.05	330.0	105.0	770	800	570	760	15	285
241	100	1.63	420.0	122.0	770	800	570	760	15	310
242	125	1.40	490.0	132.0	770	800	570	760	15	340
246	160	1.32	590.0	212.0	830	980	600	940	15	305
247	200	1.10	740.0	236.0	830	890	600	940	15	335
245	250	1.07	860.0	250.0	830	980	600	940	15	370

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

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