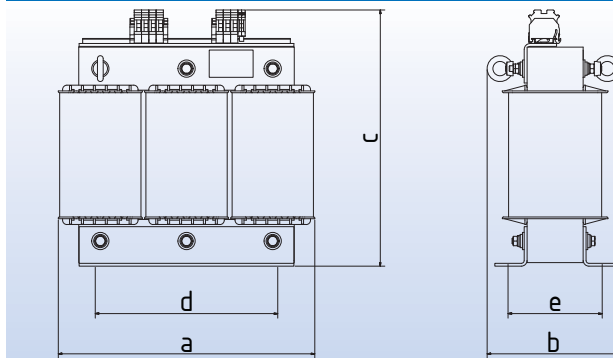
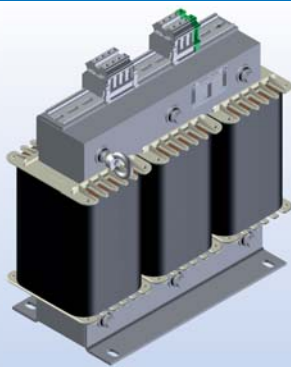




Three-phase grid transformers according to VDE 0570 part 2-1, EN 61558-2-1,

Three-phase isolation transformers according to VDE 0570 part 2-4, EN 61558-2-4

Three-phase safety transformers according to VDE 0570 part 2-6, EN 61558-2-6

Three-phase autotransformers *1 according to VDE 0570 part 2-13, EN 61558-2-13

Industrial control transformers UL 5085 / CSA 22.2 allowed



Fig. Upright design with terminal blocks

UL-file No.: E164203

Category: XPTQ2/8

(not „Construction only“ or „Insulating System“)

*1) Suffix -A (DRUL-A) = Autotransformer

General information:

The transformers in the DRUL series are specially approved for the North American market. They also meet the requirements of EN 61558.

Industrial control transformers UL 5085 / CSA 22.2 allowed (sum of all secondary voltages: max. 600V)

Grid transformers according to VDE 0570 part 2-1, EN 61558-2-1,

Isolation transformers according to VDE 0570 part 2-4, EN 61558-2-4,

Safety transformers according to VDE 0570 part 2-6, EN 61558-2-6, (sum of all idle secondary voltages: max. 50V)

Autotransformers *1 adapted in terms of installed capacity (current intensity max. 360A per connection terminal)

The respective version must be given with the order.

The particular advantages of the DRUL series

- Input voltage 3AC 200-600V freely selectable; output voltage: see table below.
- Maximum 4 voltage taps, e.g. $\pm 5\%$ in given voltage range optional
- Maximum 4 separate windings with a sum lying inside the voltage range window, maximum current: 360A each
- Copper shield / magnetic shield between windings (optional).
- Temperature-bimetal switch for temperature monitoring (optional).
- Upon request by the customer for secondary voltage to 50VAC (V no-load) non-isolated cable lug connection (optional).

Design:

Connection to leakage current-resistant transformer terminals with screw fastening. For over 50A terminal blocks are mounted on top brackets (note: dimensions b and c are enlarged by this). The terminals are protected against back of hand and finger contact according to accident prevention regulations (BGV A3). ($t_{a40^{\circ}\text{C/F}}$).

Type	Power VA	Secondary voltage	Core	Item no.	Copper kg	Total kg	Dimensions approx. in mm					
							a	b	c	d	e	Mounting
DRUL 110	110	10-600	3UI 60/21	0323-00000110	0,8	1,7	120	81	110	90	39	M4
DRUL 150	150	10-600	3UI 60/31	0323-00000150	0,9	2,4	120	91	110	90	49	M4
DRUL 260	260	10-600	3UI 75/26	0323-00000260	1,2	3,9	150	86	135	113	49	M5
DRUL 410	410	10-600	3UI 75/41	0323-00000410	1,7	5,7	150	101	135	113	64	M5
DRUL 500	500	10-600	3UI 90/31	0323-00000500	2,4	6,6	180	91	155	136	57	M6
DRUL 630	630	10-600	3UI 90/41	0323-00000630	2,8	8,4	180	101	155	136	67	M6
DRUL 800	800	10-600	3UI 90/51	0323-00000800	3,1	10,2	180	111	155	136	77	M6
DRUL 1000	1000	10-600	3UI 102/46	0323-00001000	3,5	11,3	210	108	175	150	80	M8
DRUL 1100	1100	10-600	3UI 114/40	0323-00001100	4,6	13,1	228	110	195	176	71	M6
DRUL 1200	1200	10-600	3UI 102/57	0323-00001200	4,0	13,4	210	119	175	150	91	M8
DRUL 1500	1500	10-600	3UI 120/51	0323-00001500	5,1	17,0	240	121	205	185	81	M8
DRUL 1750	1750	10-600	3UI 114/64	0323-00001750	5,7	18,9	228	134	195	176	95	M6
DRUL 2000	2000	10-600	3UI 120/61	0323-00002000	6,9	21,0	240	131	205	185	91	M8
DRUL 2200	2200	10-600	3UI 120/66	0323-00002200	7,5	22,6	240	136	205	185	96	M8
DRUL 2400	2400	10-600	3UI 120/71	0323-00002400	8,8	25,0	240	141	205	185	101	M8
DRUL 2700	2700	10-600	3UI 120/75	0323-00002700	9,8	26,8	240	145	205	185	105	M8
DRUL 3000	3000	10-600	3UI 132/72	0323-00003000	9,2	29,2	265	152	230	200	102	M8
DRUL 3400	3400	10-600	3UI 150/52	0323-00003400	12,4	31,2	300	140	260	224	94	M8
DRUL 4400	4400	10-600	3UI 150/65	0323-00004400	13,4	36,6	300	153	260	224	108	M8
DRUL 5000	5000	10-600	3UI 150/65	0323-00005000	15,0	41,1	300	153	260	224	108	M8
DRUL 6000	6000	10-600	3UI 150/77	0323-00006000	13,9	41,1	300	165	260	224	120	M8
DRUL 7500	7500	20-600	3UI 150/92	0323-00007500	17,2	49,6	300	180	260	224	134	M8
DRUL 8000	8000	20-600	3UI 168/75	0323-00008000	18,0	51,3	336	150	290	248	127	M8
DRUL 9600	9600	20-600	3UI 168/92	0323-00009600	22,2	62,5	336	170	290	248	144	M8
DRUL 10000	10000	20-600	3UI 180/78	0323-00010000	22,6	62,0	360	180	310	264	140	M8
DRUL 12000	12000	40-600	3UI 180/93	0323-00012000	29,3	76,0	360	195	310	264	155	M8
DRUL 16000	16000	40-600	3UI 210/73	0323-00016000	41,5	90,0	420	180	360	316	143	M10
DRUL 19000	19000	40-600	3UI 210/88	0323-00019000	51,5	110,0	420	195	360	316	158	M10
DRUL 21500	21500	40-600	3UI 210/103	0323-00021500	53,5	122,0	420	210	360	316	173	M10
DRUL 25000	25000	40-600	3UI 210/133	0323-00025000	60,3	150,0	420	240	360	316	203	M10
DRUL 30000	30000	80-600	3UI 210/133	0323-00030000	60,3	146,0	420	240	360	316	203	M10
DRUL 36000	36000	80-600	3UI 240/110	0323-00036000	87,3	181,0	480	240	415	356	184	M14
DRUL 40000	40000	80-600	3UI 240/140	0323-00040000	97,8	218,0	480	270	415	356	214	M14
DRUL 50000	50000	80-600	3UI 240/140	0323-00050000	99,0	220,0	480	270	415	356	214	M14