



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

Single-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. +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). (ta40°C/F).

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