

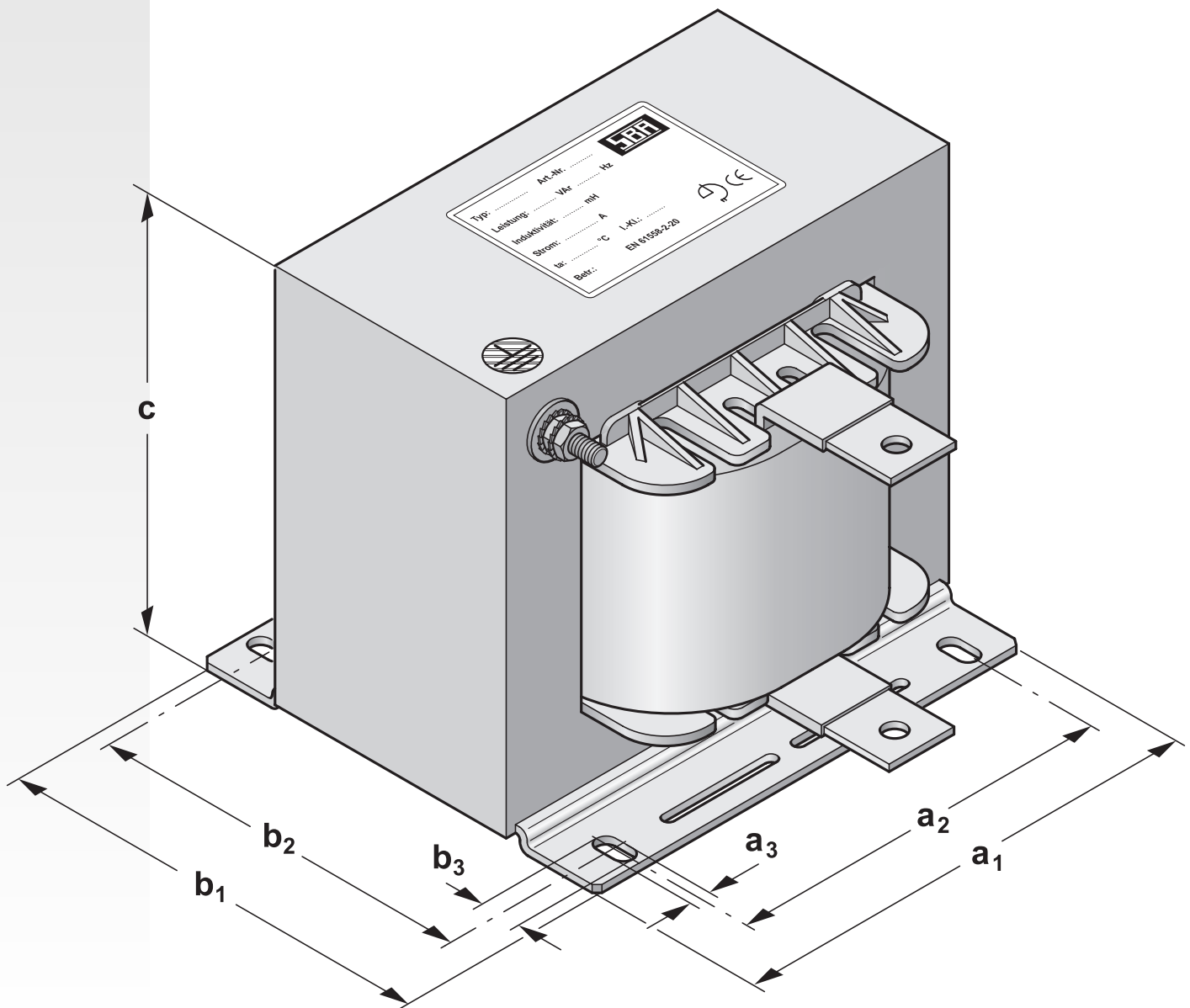
Type DKE

short circuit voltage at 4% to mains (400 V)

Single-phase commutating reactor to EN 61558-2-20 / VDE 0570-2-20

Application

As commutating reactor to limit peak current, suppress reactions on system and commutation notches. Harmonics are substantially dampened. Due to the selected reactor inductance, the short-circuit voltage matches the connected consumer, with this product: short circuit voltage of 4% to mains.



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SINGLE-PHASE COMMUTATING REACTORS



Construction

- ➔ Open construction (IP 00, incorporation up to max. IP 23)
- ➔ Required space according to DIN 41308
- ➔ screw terminals
- ➔ Very low-noise due to special core assembly and high-grade vacuum impregnation in black polyester impregnating resin
- ➔ Wear-resistant, heat, UV and solvent resistant nameplate
- ➔ **Special versions** available on request

Specifications

Supply voltage	max.	400 V
Rated current	max.	50 A
Frequency		50-60 Hz
Protection class		I
Protection index		IP 00
Insulation class		B
Ambient temperature	max.	40° C

Overview

400 V three-phase system between 2 phases / corresponds to short circuit voltage at 4%, voltage drop of 16 V at I_N

Article no.	Rated current A _{eff}	Rated inductance at 50 Hz mH	Copper weight ca. kg	a ₁	b ₁	a ₂	Dimensions b ₂ approx. mm	a ₃	b ₃	c
036-0305	1	50.9	0.35	46	45	38	34	3.6	7	78
037-0207	2	25.5	0.50	55	47	44	36	3.6	7	85
038-0425	4	12.8	0.65	66	53	50	40	4.8	9	65
039-0325	5	10.2	0.90	66	65	50	52	4.8	9	65
040-0545	6	8.5	1.20	78	61	56	49	4.8	8	80
041-0141	10	5.1	1.50	78	71	56	58	4.8	8	80
042-0555	12	4.2	1.60	84	64	64	50	4.8	8	90
043-0745	15	3.4	2.00	84	77	64	64	4.8	8	90
071-0292	20	2.5	2.30	96	81	84	64	5.8	9	100
072-0420	25	2.0	2.80	96	89	84	73	5.8	9	100
073-0585	30	1.7	3.60	96	103	84	87	5.8	9	100
074-0415	35	1.5	4.20	120	93	90	74	5.8	12	120
075-0535	40	1.3	5.20	120	101	90	85	5.8	12	120
076-0585	50	1.0	6.60	120	121	90	104	5.8	12	120

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