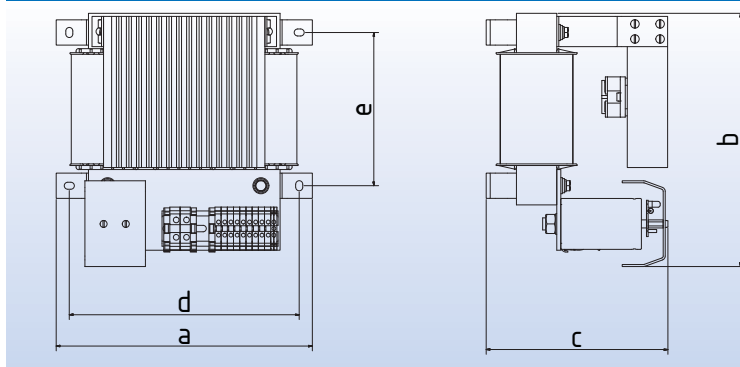
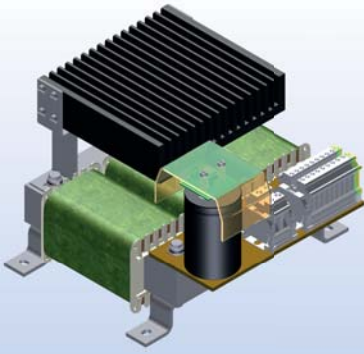




Three-phase safety transformers according to VDE 0570 part 2-6, EN 61558-2-6



Fig. RDRKL 40K

General information:

Standard design:

3-phase AC isolation transformer with load-side (downstream) 3-phase AC bridge rectifier, Input 3AC 380/400/420V

Output: 24VDC, ripple < 5%

Capacitor version (K):

3-phase AC isolation transformer with load-side (downstream) 3-phase AC bridge rectifier and capacitor Input 3AC 380/400/420V

Output: 24VDC, ripple < 2%

Like the RDRK series, the RDRKL series has been developed especially for use of programmable logic controllers (PLCs). The transformers are very well-sized and exhibit voltage stability. This produces an especially flat characteristic curve between no load and load so that no overvoltages or undervoltages critical for PLC occur even if grid voltage fluctuations occur.

The rectifiers are protected from temporary current surges and voltage spikes.

The protective circuit of the capacitor version is achieved via a protective circuit board which contains the corresponding varistor, film capacitor and discharge resistor.

Design:

Open frame, horizontal design, stationary, for device installation and assembly in dry rooms, separate windings, all connections via leakage current-resistant screw terminal blocks. The terminals are protected against back of hand and finger contact according to accident prevention regulations (BGV A3). IP 00, insulation class E, max. ambient temperature 40°C (ta40°C/E)

For design with capacitor the dimensions are slightly different. The mounting dimensions remain unchanged.

Other designs upon request (fuses, voltages, connections, etc.)

Type	Current ADC	Article no. without capacitor	Article no. with capacitor	Copper kg	Total kg	Dimensions approx. in mm					Mounting
						a	b	c	d	e	
RDRKL 10 (K)	10	0178-00000010	0178-0000010K	1,4	6,0	156	165	160	140	100	M5
RDRKL 16 (K)	16	0178-00000016	0178-0000016K	2,5	8,6	206	200	190	184	120	M6
RDRKL 20 (K)	20	0178-00000020	0178-0000020K	2,8	10,4	206	200	200	184	120	M6
RDRKL 25 (K)	25	0178-00000025	0178-0000025K	3,0	10,8	206	200	200	184	120	M6
RDRKL 30 (K)	30	0178-00000030	0178-0000030K	4,0	11,0	206	220	200	184	120	M6
RDRKL 40 (K)	40	0178-00000040	0178-0000040K	5,8	17,0	254	240	230	228	152	M6
RDRKL 60 (K)	60	0178-00000060	0178-0000060K	7,2	26,1	290	260	230	258	160	M8
RDRKL 90 (K)	90	0178-00000090	0178-0000090K	10,5	38,0	300	300	240	258	176	M8
RDRKL 120 (K)	120	0178-00000120	0178-0000120K	13,5	43,0	380	325	240	298	200	M8