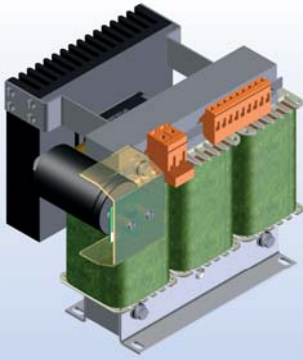
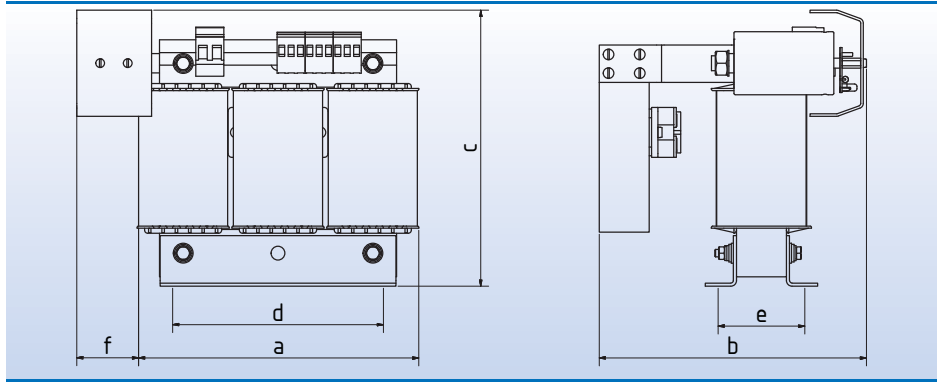




Three-phase safety transformers according to VDE 0570 part 2-6, EN 61558-2-6



Fig. RDRK 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%

The RDRK 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, upright 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						
						a	b	c	d	e	f	Mounting
RDRK 2,5 (K)	2,5	0177-000002,5	0177-00002,5K	0,7	2,5	130	75	160	84	46	45	M5
RDRK 5 (K)	5	0177-00000005	0177-0000005K	0,8	3,0	130	85	165	84	56	45	M5
RDRK 7.5 (K)	7,5	0177-000007,5	0177-00007,5K	1,2	4,4	155	70	195	90	55	55	M5
RDRK 10 (K)	10	0177-00000010	0177-0000010K	1,4	6,0	155	85	195	90	70	55	M5
RDRK 16 (K)	16	0177-00000016	0177-0000016K	2,3	7,0	190	170	165	128	72	60	M6
RDRK 20 (K)	20	0177-00000020	0177-0000020K	2,5	8,4	190	180	165	128	82	60	M6
RDRK 25 (K)	25	0177-00000025	0177-0000025K	3,0	11,3	190	190	165	128	92	70	M6
RDRK 30 (K)	30	0177-00000030	0177-0000030K	4,0	11,4	190	190	165	128	92	70	M6
RDRK 40 (K)	40	0177-00000040	0177-0000040K	5,8	16,6	230	190	210	176	71	70	M6
RDRK 60 (K)	60	0177-00000060	0177-0000060K	7,2	26,3	290	200	240	190	120	85	M10