

Features

Control coil voltages of contactors:

- RIK21:
AC: 24 V, 230 V AC: 50/60 Hz,

- RIK20 **RIK25 RIK40 RIK63** :
AC/DC: 24 V, 230 V AC: 50/60 Hz,

Setting up contacts of contactors:

- RIK20, RIK25, RIK40, RIK63:
can be used as main or auxiliary contacts,
- RIK25, RIK40, RIK63:
additional auxiliary contacts RIKN ,
mounted on the side of the contactor.

Silent operation.

Protection against direct contact IP 20.

Compliance with standards:

IEC/EN 61095, IEC/EN 60947-4-1,
IEC/EN 60947-5-1, VDE 0660, VDE 0637.

Recognitions, certifications, directives:

RoHS,



- RIK20, RIK25, RIK40, RIK63: contactors with a varistor for overvoltage protection and a rectifier enable DC and AC voltage control
 RIKN available in versions: RIKN-20 (2 NO) and RIKN-11 (1 NO + 1 NC)
 RIKN can not be mounted on contactors RIK20
 RIKN increase by 9 mm the width of contactors RIK25, RIK40, RIK63
 Recommended ventilation distance between group of contactors mounted side-by-side is 0,5 module width (9 mm)
 The data for 1-phase power are valid for contactors RIK-22 (2 NO + 2 NC)

RIK21



three-pole

RIK20



double-pole

RIK25



four-pole

RIK40



four-pole

RIK63



four-pole

RIKN



auxiliary contacts

General data

Mechanical life (cycles)	3 x 10 ⁶	3 x 10 ⁶	3 x 10 ⁶	3 x 10 ⁶	3 x 10 ⁶	3 x 10 ⁶
Module width	2	1	2	3	3	0,5
Dimensions (L x W x H)	59,5 x 35 x 57 mm	85 x 17,5 x 65 mm	85 x 35 x 65 mm	84 x 53,5 x 65,5 mm	84 x 53,5 x 65,5 mm	84 x 9 x 60 mm
Weight	170 g	130 g	240 g	350 g	350 g	35 g
Ambient temperature	storage operating	-30...+80 °C -5...+55 °C	-30...+80 °C -5...+55 °C	-30...+80 °C -5...+55 °C	-30...+80 °C -5...+55 °C	-30...+80 °C -5...+55 °C
Cover protection category (PN-EN 60529)	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Number of contactors mounted side-by-side	≤ +40 °C +40...+55 °C	no limitation	max. 3	max. 3	no limitation	no limitation
Max. operating frequency	DC1 AC1 / AC3 / AC5b / AC6b no load	300 cycles/hour 600 cycles/hour 1 200 cycles/hour 3 000 cycles/hour	300 cycles/hour 600 cycles/hour 600 cycles/hour 3 000 cycles/hour	300 cycles/hour 600 cycles/hour 600 cycles/hour 3 000 cycles/hour	300 cycles/hour 600 cycles/hour 1 200 cycles/hour 3 000 cycles/hour	300 cycles/hour 600 cycles/hour 1 200 cycles/hour 3 000 cycles/hour
Contact reliability	17 V (\geq 50 mA)	17 V (\geq 50 mA)	17 V (\geq 50 mA)	17 V (\geq 50 mA)	17 V (\geq 50 mA)	12 V (\geq 5 mA)
Min. distance of open contacts	3,6 mm	3,6 mm	3,6 mm	3,6 mm	3,6 mm	4 mm
Power dissipation per pole	2 W	1,7 W	2,2 W	4 W	8 W	0,3 W
Oversupply protection	—	430 V	430 V	430 V	430 V	—
Overload current withstand capability	40 A	72 A	68 A	176 A	240 A	—
Max. back-up fuse for short-circuit protection gL (coordination type 2)	20 A	20 A	25 A	63 A	80 A	6 A

Output circuit – main contacts data

Insulation rated voltage Ui	415 V	230 V	440 V	440 V	440 V	500 V
Rated surge voltage Uimp	4 000 V					
Rated thermal current Ith	20 A	20 A	25 A	40 A	63 A	6 A
Rated operational voltage Ue	400 V	230 V	400 V	400 V	400 V	230 V, 400 V
Rated frequency f	50/60 Hz					

AC1 / AC7a

non-inductive or slightly inductive loads, resistance furnaces, heaters / slightly inductive loads in household appliances (mixers, blenders)

Rated operational current le	20 A	20 A	25 A	40 A	63 A	—
Operational power Pe						
• 1-phase motor	230 V	4 kW	4 kW	5,4 kW	8,7 kW	13,3 kW
• 3-phase motor	230 V	7,5 kW	—	9 kW	16 kW	24 kW
	400 V	13 kW	—	16 kW	26 kW	40 kW
Electrical life (cycles)	2 x 10 ⁵	2 x 10 ⁵	2 x 10 ⁵	10 ⁵	10 ⁵	—

AC3 / AC7b

squirrel-cage motors: starting, switches off motors during running time / motor-loads in household appliances (fans, central vacuum)

Rated operational current le	5 A	9 A / 6 A (NO/NC)	8,5 A	22 A	30 A	—
Operational power Pe						
• 1-phase motor	230 V	0,37 kW	1,3 kW / 0,75 kW (NO/NC)	1,3 kW	3,7 kW	5 kW
• 3-phase motor	230 V	1,1 kW	—	2,2 kW	5,5 kW	8,5 kW
	400 V	2,2 kW	—	4 kW	11 kW	15 kW
Electrical life (cycles)	3 x 10 ⁵	3 x 10 ⁵	5 x 10 ⁵	1,5 x 10 ⁵	1,5 x 10 ⁵	—



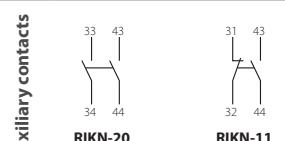
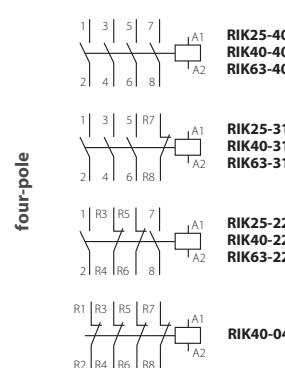
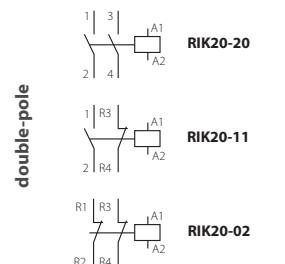
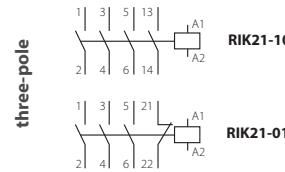
Mounting

- Installation contactors RIK are designed for:
- direct mounting on 35 mm rail mount acc. to PN-EN 60715,
 - operational position – see page 11 "Mounting positions",
 - application site – mounted in switchboards.



	RIK21	RIK20	RIK25	RIK40	RIK63	RIKN
Output circuit – main contacts data						
AC6b						switching of capacitor banks
Switching of capacitors C	230 V	36 µF	30 µF	36 µF	220 µF	330 µF
Electrical life (cycles)		10 ⁵	10 ⁶	10 ⁵	10 ⁵	10 ⁵
DC1 (L/R ≤ 1 ms)						
Rated operational current Ie						
• 1 pole	Ue = 24 V DC Ue = 48 V DC Ue = 60 V DC Ue = 110 V DC Ue = 220 V DC	20 A 12 A 6 A 2 A 0,5 A	20 A 15 A 10 A 6 A 0,6 A	25 A 20 A 15 A 6 A 0,6 A	40 A 24 A 18 A 4 A 1,2 A	63 A 26 A 20 A 4 A 1,2 A
• 2 poles connected in series	Ue = 24 V DC Ue = 48 V DC Ue = 60 V DC Ue = 110 V DC Ue = 220 V DC	20 A 15 A 10 A 4 A 1,5 A	20 A 18 A 15 A 10 A 6 A	25 A 25 A 20 A 10 A 8 A	40 A 38 A 32 A 10 A 63 A	63 A 42 A 34 A 10 A —
• 3 poles connected in series	Ue = 24 V DC Ue = 48 V DC Ue = 60 V DC Ue = 110 V DC Ue = 220 V DC	20 A 20 A 20 A 6 A 2,5 A	— — — — —	25 A 25 A 25 A 20 A 15 A	40 A 40 A 40 A 30 A 20 A	63 A 63 A 60 A 35 A 30 A
• 4 poles connected in series	Ue = 24 V DC Ue = 48 V DC Ue = 60 V DC Ue = 110 V DC Ue = 220 V DC	20 A 20 A 20 A 6 A 3,5 A	— — — — —	25 A 25 A 25 A 20 A 15 A	40 A 40 A 40 A 40 A 40 A	63 A 63 A 63 A 63 A 63 A
Electrical life (cycles)		10 ⁵	10 ⁶	10 ⁵	10 ⁵	10 ⁵
DC3 (L/R ≤ 2 ms)						
Rated operational current Ie						
• 1 pole	Ue = 24 V DC Ue = 48 V DC Ue = 60 V DC Ue = 110 V DC Ue = 220 V DC	10 A 5 A 2 A 1 A 0,1 A	10 A 5 A 2 A 1 A 0,1 A	15 A 8 A 4 A 1,3 A 0,2 A	22 A 10 A 5 A 1,5 A 0,3 A	25 A 11 A 5 A 1,5 A 0,3 A
• 2 poles connected in series	Ue = 24 V DC Ue = 48 V DC Ue = 60 V DC Ue = 110 V DC Ue = 220 V DC	20 A 10 A 8 A 4 A 0,4 A	20 A 10 A 8 A 4 A 0,4 A	25 A 16 A 12 A 5,5 A 0,6 A	40 A 20 A 16 A 5 A 1 A	45 A 22 A 18 A 5 A 1 A
• 3 poles connected in series	Ue = 24 V DC Ue = 48 V DC Ue = 60 V DC Ue = 110 V DC Ue = 220 V DC	20 A 20 A 15 A 6 A 2,5 A	— — — — —	25 A 25 A 25 A 15 A 3 A	40 A 40 A 32 A 15 A 4 A	63 A 45 A 35 A 18 A 5 A
• 4 poles connected in series	Ue = 24 V DC Ue = 48 V DC Ue = 60 V DC Ue = 110 V DC Ue = 220 V DC	20 A 20 A 15 A 6 A 3,5 A	— — — — —	25 A 25 A 25 A 20 A 8 A	40 A 40 A 40 A 40 A 10 A	63 A 63 A 63 A 63 A 10 A
Electrical life (cycles)		10 ⁵	10 ⁶	10 ⁵	10 ⁵	10 ⁵
shunt-motors: starting, plugging, inching, dynamic breaking of motors						

Connections diagrams



① RIK20, RIK25, RIK40, RIK63: contactors with a varistor for overvoltage protection and a rectifier enable DC and AC voltage control
 ② RIK20, RIK25: contactors can be controlled by AC voltage with frequency 40...400 Hz

RIK21

RIK20

RIK25

RIK40

RIK63

RIKN

Output circuit – main contacts data

DC5 (L/R ≤ 7,5 ms)

Rated operational current **Ie**

• 1 pole	Ue = 24 V DC	10 A	10 A	15 A	20 A	25 A	–
	Ue = 48 V DC	4 A	4 A	5 A	8 A	10 A	–
	Ue = 60 V DC	1 A	1 A	3 A	4 A	5 A	–
	Ue = 110 V DC	0,3 A	0,3 A	0,5 A	1 A	1 A	–
	Ue = 220 V DC	0,06 A	0,06 A	0,1 A	0,2 A	0,2 A	–
• 2 poles	Ue = 24 V DC	20 A	20 A	25 A	40 A	45 A	–
connected in series	Ue = 48 V DC	8 A	8 A	15 A	18 A	20 A	–
	Ue = 60 V DC	6 A	6 A	10 A	14 A	15 A	–
	Ue = 110 V DC	2 A	2 A	4 A	5 A	5 A	–
	Ue = 220 V DC	0,2 A	0,2 A	0,4 A	0,8 A	0,8 A	–
• 3 poles	Ue = 24 V DC	20 A	–	25 A	40 A	63 A	–
connected in series	Ue = 48 V DC	20 A	–	25 A	40 A	44 A	–
	Ue = 60 V DC	15 A	–	20 A	28 A	30 A	–
	Ue = 110 V DC	5 A	–	12 A	12 A	15 A	–
	Ue = 220 V DC	1,5 A	–	2 A	3 A	4 A	–
• 4 poles	Ue = 24 V DC	20 A	–	25 A	40 A	63 A	–
connected in series	Ue = 48 V DC	20 A	–	25 A	40 A	63 A	–
	Ue = 60 V DC	15 A	–	25 A	40 A	60 A	–
	Ue = 110 V DC	5 A	–	15 A	35 A	45 A	–
	Ue = 220 V DC	3 A	–	5 A	8 A	10 A	–

Electrical life (cycles)

	10 ⁵	–				
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Connections (mounting)

Max. cross section of the cables (rigid / flexible) S	1...2,5 mm ² / 1...2,5 mm ²	1...10 mm ² / 1...6 mm ²	1...10 mm ² / 1...6 mm ²	1,5...25 mm ² / 1,5...16 mm ²	1,5...25 mm ² / 1,5...16 mm ²	1...2,5 mm ² / 1,2,5 mm ²
Screws (type / head)	M3,5 / PZ2	M3,5 / PZ1	M3,5 / PZ1	M5 / PZ2	M5 / PZ2	M3 / PZ1

Max. tightening moment for the terminal

	1,2 Nm	1,2 Nm	1,2 Nm	3,5 Nm	3,5 Nm	0,6 Nm
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Output circuit – auxiliary contacts data

Insulation rated voltage Ui	415 V	230 V	440 V	440 V	500 V	–
Rated surge voltage Uimp	4 000 V	4 000 V	4 000 V	4 000 V	4 000 V	4 000 V
Rated thermal current Ith	20 A	20 A	25 A	40 A	63 A	6 A
Rated operational voltage Ue	400 V	230 V	400 V	400 V	400 V	230 V, 400 V
AC15	control of AC electromagnetic loads					
Rated operational current (1-phase) Ie	230 V 400 V	6 A 4 A	6 A 4 A	6 A 4 A	6 A 4 A	6 A 4 A
Electrical life (cycles)	3 x 10 ⁵	3 x 10 ⁵	5 x 10 ⁵	1,5 x 10 ⁵	1,5 x 10 ⁵	0,5 x 10 ⁵

Input circuit – coil data

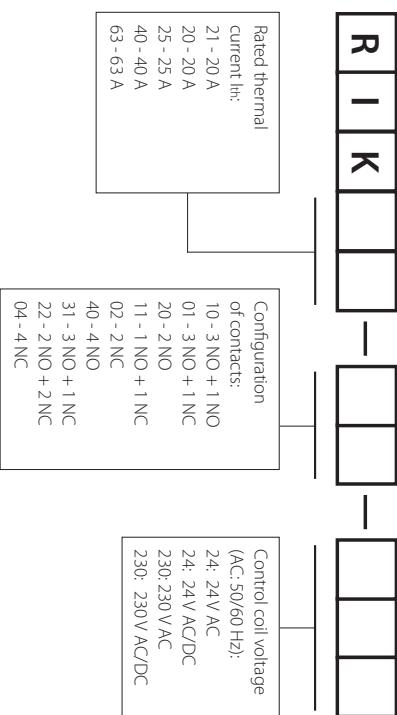
Control voltage Uc	AC: 24 V, 230 V	AC/DC ①: 24 V, 230 V	AC/DC ①: 24 V, 230 V	AC/DC ①: 24 V, 230 V	AC/DC ①: 24 V, 230 V	–
Range of control voltage Uc	0,85 ... 1,1 Uc	0,85 ... 1,1 Uc	0,85 ... 1,1 Uc	0,85 ... 1,1 Uc	0,85 ... 1,1 Uc	–
Rated frequency f	AC: 50/60 Hz	AC: 50/60 Hz ⑦	AC: 50/60 Hz ⑦	AC: 50/60 Hz	AC: 50/60 Hz	–
Surge immunity test (IEC/EN 61000-4-5)	2 000 V (1,2 / 50 µs)	2 000 V (1,2 / 50 µs)	2 000 V (1,2 / 50 µs)	2 000 V (1,2 / 50 µs)	2 000 V (1,2 / 50 µs)	–
Coil consumption	switch-on operation 30 VA / 25 W 5 VA / 1,5 W	2,1 VA / 2,1 W 2,1 VA / 2,1 W	2,6 VA / 2,6 W 2,6 VA / 2,6 W	15,4 VA / 6 W 7,7 VA / 3 W	15,4 VA / 6 W 7,7 VA / 3 W	–
Delays	make break 7 ... 20 ms 10 ... 20 ms	15 ... 45 ms 20 ... 50 ms	15 ... 45 ms 20 ... 70 ms	10 ... 20 ms 10 ... 15 ms	15 ... 20 ms 35 ... 45 ms	–
Max. cross section of the cables (rigid / flexible) S	1...2,5 mm ² / 1...2,5 mm ²	1...2,5 mm ² / 1...2,5 mm ²	1...2,5 mm ² / 1...2,5 mm ²	1...2,5 mm ² / 1...2,5 mm ²	1...2,5 mm ² / 1...2,5 mm ²	–
Screws (type / head)	M3,5 / PZ2	M3,5 / PZ1	M3,5 / PZ1	M3 / PZ1	M3 / PZ1	–
Max. tightening moment for the terminal	0,6 Nm	0,6 Nm	0,6 Nm	0,6 Nm	0,6 Nm	–



Selectable

Rik21/20/25/40/63
installation contactors

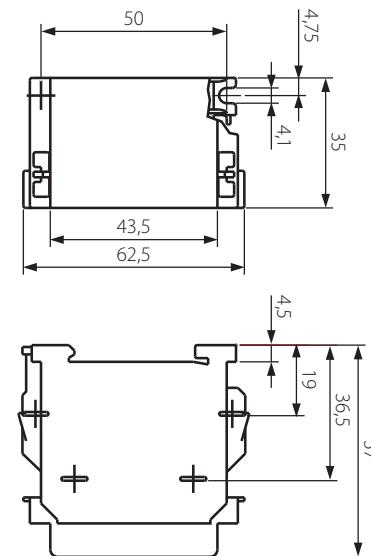
Type of installation contactor	Ordering code of installation contactor	Configuration of contacts	Control coil voltage	auxiliary contacts
Rlk21	Rlk21-10-24	3 NO + auxiliary contact 1 NO	24 VAC	
	Rlk21-01-24	3 NO + auxiliary contact 1 NC	24 VAC	-
	Rlk21-10-230	3 NO + auxiliary contact 1 NO	230 VAC	
	Rlk21-01-230	3 NO + auxiliary contact 1 NC	230 VAC	
	Rlk20-20-24	2 NO	24 V AC/DC	
	Rlk20-11-24	1 NO + 1 NC	24 V AC/DC	
Rlk20	Rlk20-02-24	2 NC	24V AC/DC	
	Rlk20-20-230	2 NO	230V AC/DC	-
	Rlk20-11-230	1 NO + 1 NC	230V AC/DC	
	Rlk20-02-230	2 NC	230V AC/DC	
	Rlk25-40-24	4 NO	24V AC/DC	
	Rlk25-31-24	3 NO + 1 NC	24V AC/DC	
Rlk25	Rlk25-22-24	2 NO + 2 NC	24V AC/DC	Rlkn-20 (2 NO)
	Rlk25-40-230	4 NO	230V AC/DC	Rlkn-11 (1 NO + 1 NC)
	Rlk25-31-230	3 NO + 1 NC	230V AC/DC	
	Rlk25-22-230	2 NO + 2 NC	230V AC/DC	
	Rlk40-40-24	4 NO	24V AC/DC	
	Rlk40-31-24	3 NO + 1 NC	24V AC/DC	
	Rlk40-22-24	2 NO + 2 NC	24V AC/DC	
Rlk40	Rlk40-04-24	4 NC	24V AC/DC	Rlkn-20 (2 NO)
	Rlk40-40-230	4 NO	230V AC/DC	Rlkn-11 (1 NO + 1 NC)
	Rlk40-31-230	3 NO + 1 NC	230V AC/DC	
	Rlk40-22-230	2 NO + 2 NC	230V AC/DC	
	Rlk40-04-230	4 NC	230V AC/DC	
	Rlk63-40-24	4 NO	24V AC/DC	
Rlk63	Rlk63-31-24	3 NO + 1 NC	24V AC/DC	
	Rlk63-22-24	2 NO + 2 NC	24V AC/DC	
	Rlk63-04-24	4 NC	24V AC/DC	
	Rlk63-40-230	4 NO	230V AC/DC	Rlkn-20 (2 NO)
	Rlk63-31-230	3 NO + 1 NC	230V AC/DC	Rlkn-11 (1 NO + 1 NC)
	Rlk63-22-230	2 NO + 2 NC	230V AC/DC	
	Rlk63-04-230	4 NC	230V AC/DC	



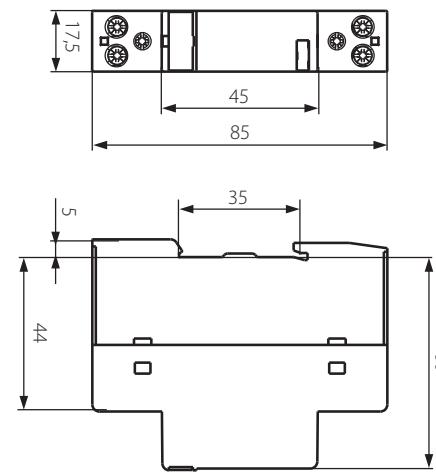
RIK21/20/25/40/63

installation contactors

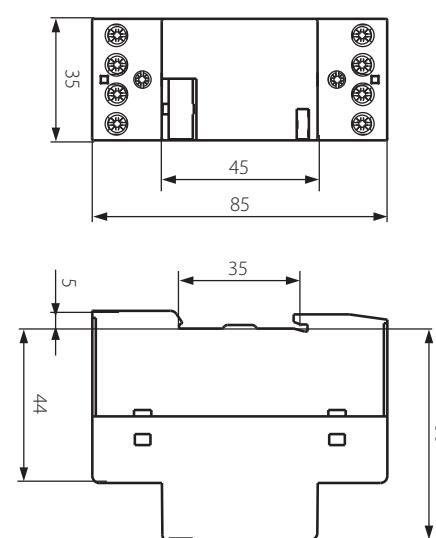
contactors RIK21



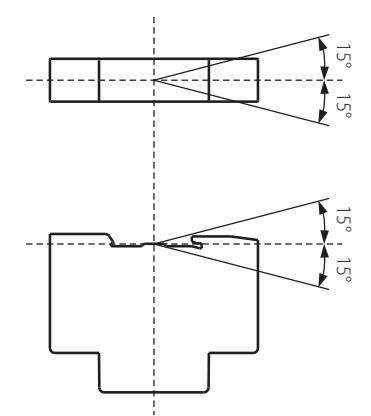
contactors RIK20



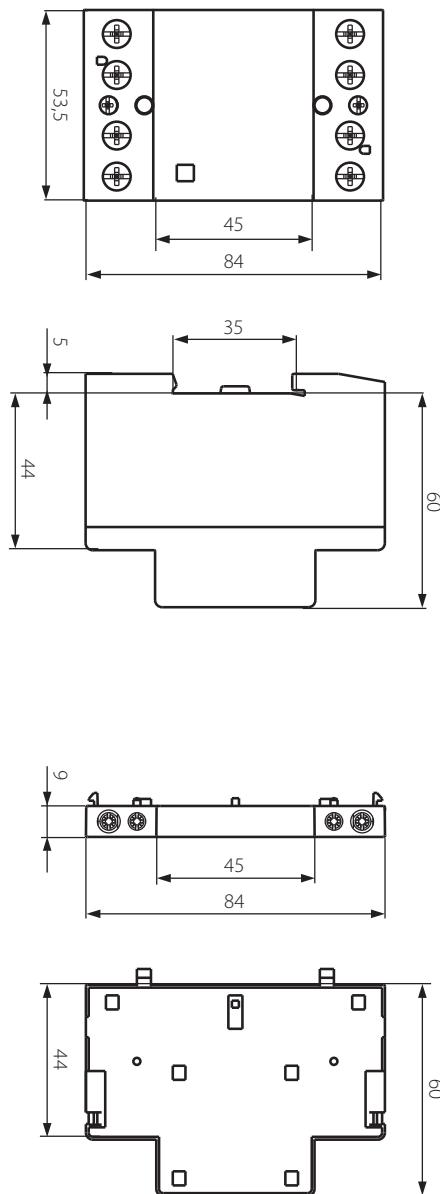
contactors RIK25



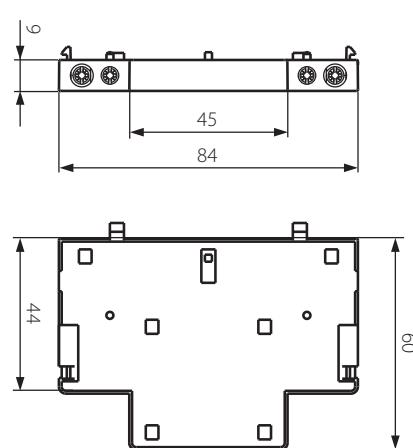
mounting positions RIK20, RIK25, RIK40, RIK63 ⑧



contactors RIK40, RIK63



auxiliary contacts RIKN ④



- ④ RIKN increase by 9 mm the width of contactors RIK25, RIK40, RIK63
- ⑤ RIK21: mounting position of contactor is optional

RiK21/20/25/40/63

control of lighting circuits

Maximum number of lamps on each pole contactor at 230 V 50 Hz

	Power [W]	Current [A]	Capacitance [μF]	RiK21	RiK20	RiK25	RiK40	RiK63
Incandescent lamps and tungsten halogen lamps								
	15	0,07	—	130	130	130	260	330
	25	0,11	—	80	80	80	160	200
	40	0,18	—	50	50	50	100	125
	60	0,26	—	33	33	33	65	85
	75	0,33	—	26	26	26	53	66
	100	0,44	—	20	20	20	40	50
	150	0,65	—	13	13	13	26	33
	200	0,87	—	10	10	10	20	25
	300	1,3	—	6	6	6	13	16
	500	2,17	—	3	3	3	8	10
	1000	4,35	—	1	1	1	4	5
Energy saving lamps								
	3	0,03	—	50	50	60	150	200
	5	0,04	—	45	45	55	135	180
	7	0,055	—	40	40	50	120	160
	8	0,065	—	35	35	45	110	150
	9	0,075	—	30	30	40	100	140
	10	0,08	—	30	30	40	100	140
	11	0,09	—	30	30	40	100	140
	12	0,1	—	25	25	35	95	120
	14	0,11	—	25	25	35	90	120
	15	0,12	—	20	20	30	85	115
	16	0,13	—	20	20	30	80	105
	18	0,145	—	18	18	26	70	95
	20	0,16	—	17	17	22	65	85
	21	0,17	—	15	15	20	60	80
	23	0,185	—	15	15	20	60	70
	24	0,195	—	15	15	20	55	70
	30	0,16	—	15	15	20	55	70
Metal halide lamps								
	35	0,35	—	18	18	22	43	60
	70	1	—	10	10	12	23	32
	150	1,8	—	5	5	7	12	18
	250	3	—	3	3	4	7	10
	400	3,5	—	3	3	3	6	9
	1000	9,5	—	1	1	1	2	3
	2000	16,5	—	—	—	—	1	1
	35	0,23	6	5	5	6	36	50
	70	0,45	12	2	2	3	18	25
	150	0,75	20	1	1	1	11	15
	250	1,26	33	—	—	—	6	9
	400	2	35	—	—	—	6	8
	1000	5	95	—	—	—	2	3
	2000	10,5	148	—	—	—	1	2
	20	0,1	—	9	9	9	18	20
	35	0,2	—	6	6	6	11	13
	70	0,36	—	5	5	5	10	12
	150	0,7	—	4	4	4	8	10



RIK21/20/25/40/63

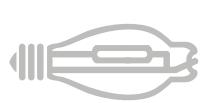
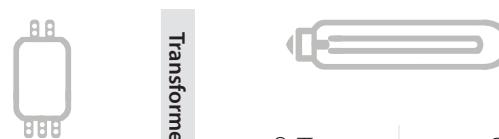
control of lighting circuits

Maximum number of lamps on each pole contactor at 230 V 50 Hz

	Power [W]	Current [A]	Capacitance [μF]	RIK21	RIK20	RIK25	RIK40	RIK63
High-pressure mercury-vapour lamps								
uncorrected	50	0,61	—	14	14	18	38	55
	80	0,8	—	10	10	13	29	42
	125	1,15	—	7	7	9	20	29
	250	2,15	—	4	4	5	10	15
	400	3,25	—	2	2	3	7	10
parallel correction	700	5,4	—	1	1	2	4	6
	1000	7,5	—	1	1	1	3	4
	50	0,28	7	4	4	5	31	47
	80	0,41	8	4	4	5	27	41
parallel correction	125	0,65	10	3	3	4	22	33
	250	1,22	18	1	1	2	12	18
	400	1,95	25	1	1	1	9	13
	700	3,45	45	—	—	—	5	7
	1000	4,8	60	—	—	—	4	5
High-pressure sodium-vapour lamps								
uncorrected	150	1,8	—	5	5	6	17	22
	250	3	—	3	3	4	10	13
	400	4,7	—	2	2	2	6	8
	1000	10,3	—	—	1	3	3	3
correction	150	0,77	20	1	1	1	11	16
	250	1,26	33	—	—	1	6	10
	400	2	48	—	—	—	4	6
	1000	5,1	106	—	—	—	2	3
with electronic control gear	20	0,1	—	9	9	9	18	20
	35	0,2	—	6	6	6	11	13
	70	0,36	—	5	5	5	10	12
	150	0,7	—	4	4	4	8	10
Low-pressure sodium-vapour lamps								
uncorrected	18	0,35	—	22	22	27	71	90
	35	0,6	—	7	7	9	23	30
	55	0,6	—	7	7	9	23	30
	90	0,9	—	4	4	5	14	19
	135	0,9	—	3	3	4	10	13
	180	0,9	—	3	3	4	10	13
parallel correction	18	0,35	5	6	6	7	44	66
	35	0,28	20	1	1	1	11	16
	55	0,35	20	1	1	1	11	16
	90	0,55	26	1	1	1	8	12
	135	0,8	45	—	—	—	4	7
	180	1	40	—	—	—	5	8
Transformers for low-voltage tungsten halogen lamps								
parallel correction	20	—	—	40	40	52	110	174
	50	—	—	20	20	24	50	80
	75	—	—	13	13	16	35	54
	100	—	—	10	10	12	27	43
	150	—	—	7	7	9	19	29
	200	—	—	5	5	6	14	23
	300	—	—	3	3	4	9	14

23.12.2020

⑨ (PCL) + 50...125 lm lamp for 0.6 ms



RiK21/20/25/40/63

control of lighting circuits

Maximum number of lamps on each pole contactor at 230V 50Hz

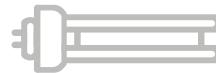


	Power [W]	Current [A]	Capacitance [μF]	RiK21	RiK20	RiK25	RiK40	RiK63
Fluorescent lamps								
	11	0,16	1,3	55	55	70	125	200
	18	0,37	2,7	22	22	24	90	140
uncorrected or series correction	24	0,35	2,5	22	22	24	90	140
	36	0,43	3,4	17	17	20	65	95
	58	0,67	5,3	14	14	17	45	70
	65	0,67	5,3	14	14	17	35	50
	85	0,8	5,3	12	12	15	25	40
lead-lag circuit								
	2x11	0,07	—	2x50	2x50	2x60	2x140	2x200
	2x18	0,11	—	2x30	2x30	2x40	2x100	2x150
	2x24	0,14	—	2x24	2x24	2x31	2x78	2x118
	2x36	0,22	—	2x17	2x17	2x24	2x65	2x95
	2x58	0,35	—	2x10	2x10	2x14	2x40	2x60
	2x65	0,35	—	2x9	2x9	2x13	2x30	2x45
	2x85	0,47	—	2x6	2x6	2x10	2x20	2x30
parallel correction	11	0,16	3,5	9	9	10	62	94
	18	0,37	4,5	7	7	8	48	73
	24	0,35	4,5	7	7	8	48	73
	36	0,34	4,5	7	7	8	48	73
	58	0,67	7	4	4	5	31	47
	65	0,67	7	4	4	5	31	47
	85	0,8	8	3	3	4	27	41
with electronic control gear (ECG)	18	0,09	—	25	25	35	100	140
	36	0,16	—	15	15	20	52	75
	58	0,25	—	14	14	19	50	72
	2x18	0,17	—	2x12	2x12	2x17	2x50	2x70
	2x36	0,32	—	2x7	2x7	2x10	2x26	2x38
	2x58	0,49	—	2x7	2x7	2x9	2x25	2x36
	22	0,11	HE	22	22	30	80	110
	40	0,21	FC	12	12	15	40	60
	55	0,28	—	8	8	12	30	45
	14	0,08	—	30	30	40	105	150
	21	0,11	HE	22	22	30	80	115
	28	0,14	—	18	18	22	60	90
	35	0,18	—	14	14	18	48	70
	24	0,12	—	20	20	26	70	100
	39	0,2	HO	12	12	16	42	62
T5 with electronic control gear	49	0,24	—	10	10	14	35	52
	54	0,27	—	9	9	13	32	47
	80	0,39	6	6	8	22	32	32
	2x22	0,23	—	2x11	2x11	2x15	2x40	2x55
	2x40	0,42	2xFC	2x6	2x6	2x7	2x20	2x30
	2x55	0,55	—	2x4	2x4	2x6	2x15	2x22
	2x14	0,15	—	2x15	2x15	2x20	2x52	2x75
	2x21	0,22	2xHE	2x11	2x11	2x15	2x40	2x57
	2x28	0,28	—	2x9	2x9	2x11	2x20	2x45
	2x35	0,36	—	2x7	2x7	2x9	2x24	2x35
	2x24	0,24	—	2x10	2x10	2x13	2x35	2x50
	2x39	0,39	—	2x6	2x6	2x8	2x21	2x31
	2x49	0,48	2xHO	2x5	2x5	2x7	2x17	2x26
	2x54	0,54	—	2x4	2x4	2x6	2x16	2x23
	2x80	0,74	—	2x3	2x3	2x4	2x11	2x16

RIK21/20/25/40/63

control of lighting circuits

Maximum number of lamps on each pole contactor at 230 V 50 Hz



	Power [W]	Current [A]	Capacitance [μF]	RIK21	RIK20	RIK25	RIK40	RIK63
Compact fluorescent lamps								
series correction	10	0,19	1,4	50	50	60	105	165
	13	0,18	1,4	50	50	60	105	165
	18	0,23	1,7	40	40	50	85	135
	26	0,33	2,5	30	30	35	60	95
	18	0,38	2,7	25	25	30	50	80
	24	0,35	2,7	25	25	30	50	80
	36	0,44	3,4	20	20	25	45	70
parallel correction	5	0,18	2,2	13	13	16	100	150
	7	0,18	2,1	14	14	17	104	157
	9	0,17	2	15	15	18	110	165
	10	0,19	2,2	13	13	16	100	150
	11	0,16	1,7	17	17	21	125	194
	13	0,18	1,8	16	16	20	120	183
	18	0,23	2,3	13	13	15	95	143
	26	0,33	3,3	9	9	11	66	100
	18	0,38	4,2	7	7	8	52	78
	24	0,35	3,6	8	8	10	61	91
	36	0,44	4,4	6	6	8	50	75
	5	0,05	—	45	45	63	180	250
	7	0,05	—	45	45	63	180	250
	9	0,07	—	32	32	45	128	180
	10	0,07	—	32	32	45	128	180
	11	0,07	—	32	32	45	128	180
	13	0,07	—	32	32	45	128	180
	18	0,22	—	10	10	14	40	57
	24	0,22	—	10	10	14	40	57
	26	0,22	—	10	10	14	40	57
	32	0,22	—	10	10	14	40	57
	36	0,22	—	10	10	14	40	57
	40	0,22	—	10	10	14	40	57
	42	0,22	—	10	10	14	40	57
	55	0,28	—	8	8	11	32	45
	57	0,28	—	8	8	11	32	45
with electronic control gear (ECG)	70	0,35	—	6	6	9	25	36
	80	0,41	—	5	5	8	22	30
	120	0,58	—	4	4	5	15	22
	2x9	0,11	—	2x16	2x16	2x22	2x90	2x125
	2x10	0,11	—	2x16	2x16	2x22	2x90	2x125
	2x11	0,11	—	2x16	2x16	2x22	2x90	2x125
	2x13	0,11	—	2x16	2x16	2x22	2x90	2x125
	2x18	0,3	—	2x5	2x5	2x7	2x20	2x28
	2x24	0,31	—	2x5	2x5	2x7	2x20	2x28
	2x26	0,31	—	2x5	2x5	2x7	2x20	2x28
	2x32	0,31	—	2x5	2x5	2x7	2x20	2x28
	2x36	0,31	—	2x5	2x5	2x7	2x20	2x28
	2x40	0,4	—	2x4	2x4	2x6	2x18	2x26
	2x42	0,4	—	2x4	2x4	2x6	2x18	2x26
	2x55	0,55	—	2x3	2x3	2x5	2x16	2x22
	2x57	0,55	—	2x3	2x3	2x5	2x16	2x22