

Installation contactors

RIC | RAC | RBC



Installation contactors

- Long lifetime due to double-break contacts
- Switching of different voltages with adjacent contacts
- Easily expandable by expansion module
- Hum-free operation
- Sample applications: light installations, heaters, pumps, air conditioning, etc.

RIC

- With expansion module AUX

RAC

- With ON-OFF-AUTO-function

RBC

- With stepping function
- With expansion module AUX

Main circuit		RIC16	RIC20	RIC25	RIC32	RIC40	RIC63	RIC-AUX
1 NO		RIC16-100/...V						
1 NC		RIC16-010/...V						
1 NO + 1 NC		RIC16-110/...V	RIC20-110/...V		RIC32-110/...V			RIC-AUX11
2 NO		RIC16-200/...V	RIC20-200/...V	RIC25-200/...V	RIC32-200/...V			RIC-AUX20
2 NC		RIC16-020/...V	RIC20-020/...V	RIC25-020/...V	RIC32-020/...V			RIC-AUX02
2 NO + 2 NC		RIC16-220/...V		RIC25-220/...V	RIC32-220/...V	RIC40-220/...V	RIC63-220/...V	
3 NO + 1 NC		RIC16-310/...V			RIC32-310/...V			
4 NO		RIC16-400/...V		RIC25-400/...V	RIC32-400/...V	RIC40-400/...V	RIC63-400/...V	
4 NC		RIC16-040/...V		RIC25-040/...V	RIC32-040/...V	RIC40-040/...V	RIC63-040/...V	
2 CO				RIC25-002/...V				

Technical data

	Contact material	AgNi	AgNi	AgNi	AgNi	AgSnO ₂	AgSnO ₂	AgNi
	Rated current AC-1	16 A	20 A	25 A	32 A	40 A	63 A	6 A
	Rated voltage	400 V	400 V	400 V	400 V	400 V	400 V	400 V
	Recommended minimal load	50 mA, 17 V	50 mA, 17 V	50 mA, 17 V	50 mA, 17 V	50 mA, 17 V	50 mA, 17 V	5 mA, 12 V
	Rated load AC-3	1.1 kW, 230 V	1.3 kW, 230 V	4 kW, 400 V	4 kW, 400 V	11 kW, 400 V	15 kW, 400 V	—
	Rated load AC-1 / AC-7a	3.5 kW, 230 V	4 kW, 230 V	16 kW, 400 V	20 kW, 400 V	26 kW, 400 V	40 kW, 400 V	—
	Switching frequency at rated load AC-1 (Cycles / h)	600	600	600	600	600	600	600
	Electrical life cycles AC-1	2 × 10 ⁵	2 × 10 ⁵	2 × 10 ⁵	2 × 10 ⁵	1 × 10 ⁵	1 × 10 ⁵	5 × 10 ⁴
	Nominal voltage (V)	UC 230	UC 12 / UC 24 / UC 36 / UC 230	UC 24 / UC 36 / UC 230 / AC 48 / AC 400	UC 24 / UC 230	UC 24 / UC 48 / UC 230	UC 24 / UC 230	—
	Coil voltage range	0.85...1.1 U _N	0.85...1.1 U _N	0.85...1.1 U _N	0.85...1.1 U _N	0.85...1.1 U _N	0.85...1.1 U _N	—
	Power consumption AC / DC	2.1 VA / - W	2.1 VA / - W	2.6 VA / - W	2.6 VA / - W	5 VA / - W	5 VA / - W	—
	Pick-up / release time	15 ... 45 ms / 20 ... 50 ms	15 ... 45 ms / 20 ... 50 ms	15 ... 45 ms / 20 ... 70 ms	15 ... 45 ms / 20 ... 70 ms	15 ... 20 ms / 35 ... 45 ms	15 ... 20 ms / 35 ... 45 ms	—/—

Accessoires

Lead-sealing cover

RIC-SEAL...

Spacer

RIC-DIST*

Phase busbars

RIC-PS-...

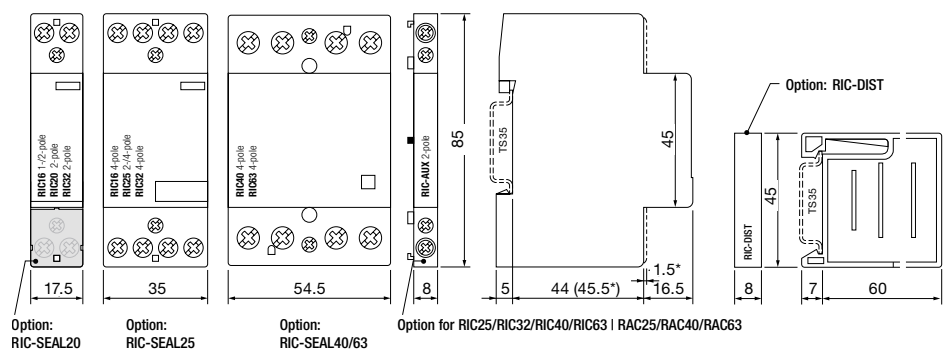
Neutral busbars

RIC-NS-...

End covers for phase and neutral busbars

RIC-EK-...

Dimensions

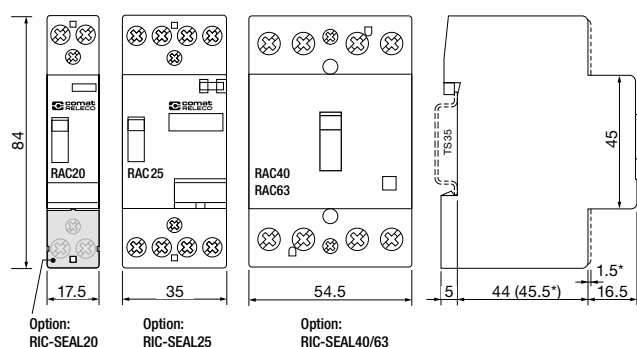


Main circuit		RAC20	RAC25	RAC40	RAC63
1 NO + 1 NC		RAC20-110/...V			
2 NO		RAC20-200/...V			
2 NC		RAC20-020/...V			
2 NO + 2 NC			RAC25-220/...V		
3 NO + 1 NC				RAC40-310/...V	RAC63-310/...V
4 NO			RAC25-400/...V	RAC40-400/...V	RAC63-400/...V
4 NC			RAC25-040/...V		

Technical data					
	Contact material	AgNi	AgNi	AgSnO ₂	AgSnO ₂
	Rated current AC-1	20 A	25 A	40 A	63 A
	Rated voltage	400 V	400 V	400 V	400 V
	Recommended minimal load	50 mA, 17 V	50 mA, 17 V	50 mA, 17 V	50 mA, 17 V
	Rated load AC-3	1.3 kW, 230 V	4 kW, 400 V	11 kW, 400 V	15 kW, 400 V
	Rated load AC-1 / AC-7a	4 kW, 230V	16 kW, 400V	26 kW, 400V	40 kW, 400V
	Switching frequency at rated load AC-1 (Cycles / h)	600	600	600	600
	Electrical life cycles AC-1	2 × 10 ⁵	2 × 10 ⁵	1 × 10 ⁵	1 × 10 ⁵
	Nominal voltage (V)	UC 24 / UC 230	UC 24 / UC 230	AC 230	AC 230
	Coil voltage range	0.85 ... 1.1 U _N	0.85 ... 1.1 U _N	0.85 ... 1.1 U _N	0.85 ... 1.1 U _N
	Power consumption AC / DC	2.1 VA / - W	2.6 VA / - W	5 VA / - W	5 VA / - W
	Pick-up / release time	15 ... 45 ms / 20 ... 50 ms	15 ... 45 ms / 20 ... 70 ms	15 ... 20 ms / 35 ... 45 ms	15 ... 20 ms / 35 ... 45 ms



Dimensions



* INSTRUCTION FOR MOUNTING (RIC, RAC, RBC)

If several contactors are mounted side by side, the spacer piece RIC-DIST should be inserted after each second (ambient temperature up to 40 °C) or third (ambient temperature up to 40 ... 50 °C) contactor for heat dissipation.

Main circuit		RBC20	RBC32	RBC-AUX
	1 NO + 1 NC	RBC20-110/...V		RBC-AUX11
	2 NO	RBC20-200/...V		RBC-AUX20
	2 NO + 2 NC		RBC32-220/...V	
	4 NO	RBC20-400/...V	RBC32-400/...V	
Technical data				
	Contact material	AgNi	AgNi	AgNi
	Rated current AC-1	20 A	32 A	6 A
	Rated voltage	440 V	440 V	250 V
	Recommended minimal load	100 mA, 10 V	100 mA, 10 V	5 mA, 12 V
	Rated load AC-3	—	—	—
	Rated load AC-1 / AC-7a	4 kW, 230 V	18 kW, 230 V	—
	Electrical life cycles AC-1	1 × 10 ⁵	1 × 10 ⁵	1 × 10 ⁵
	Nominal voltage (V)	AC 24 / AC 230	AC 230	—
	Coil voltage range	0.9...1.1 U _N	0.9...1.1 U _N	—
	Power consumption AC / DC	9 VA / - W	9 VA / - W	—
	Pick-up / release time	100 ms / 100 ms	100 ms / 100 ms	—

Auxiliary module for centralized control

RBC-AUX-CM

Auxiliary module for group control

RBC-AUX-GM

Dimensions