




# RXC25

## installation contactors



- **Double-pole installation contactors**
- Protection against direct contact IP 20
- AC and DC input voltages
- Cover - modular, width 18 mm
- Direct mounting on 35 mm rail mount acc. to EN 60715
- Applications: in household systems (resistance furnaces, heaters, squirrel-cage motors, motor-loads in domestic)
- Compliance with standard PN-EN 61095
- Recognitions, certifications, directives: RoHS,   




### Output circuit - contact data

Number and type of contacts	2 NO, 1 NO + 1 NC, 2 NC		
Rated operational voltage	250 V AC		
Rated operational current	AC1 / AC7a	25 A	
	AC3 / AC7b	8,5 A	
Rated thermal current	25 A		
Insulation rated voltage	500 V AC		
Operational power	AC1 / AC7a	5,5 kW 230 V AC	10 kW 400 V AC
	AC3 / AC7b	2 kW 230 V AC	3,4 kW 400 V AC

### Input circuit - coil data

Control voltage	50/60 Hz AC	24, 230 V
	DC	24 V
Release voltage	0,2...0,75 U <sub>s</sub>	
Range of control voltage	0,85...1,1 U <sub>s</sub> (under operating conditions)	
Maximum power	1,3 W 24 V AC	1,2 W 230 V AC

### General data

Electrical life (cycles)	10 <sup>5</sup>	
Mechanical life (cycles)	> 10 <sup>6</sup>	
Rated working system	• intermittent working system	
	30 times/h load factor 40%	
Dimensions (L x W x H)	81  x 18 x 67 mm	
Weight	120 g	
Ambient temperature	• operating	-5...+60 °C  (non-condensation and/or icing)
Cover protection category	IP 20 EN 60529	
Relative humidity	≤ 50% 40 °C ≤ 90% 20 °C 	
Operating altitude	0...2 000 m	
Overvoltage category	II	
Insulation pollution degree	2	




 Length with 35 mm rail catch: 85,2 mm.  When the contactor is installed in the power distribution box, heat insulations RXC-01 must be assembled on both sides to facilitate heat dissipation.  Special measures shall be taken for occasional condensation due to temperature changes.

Table of codes

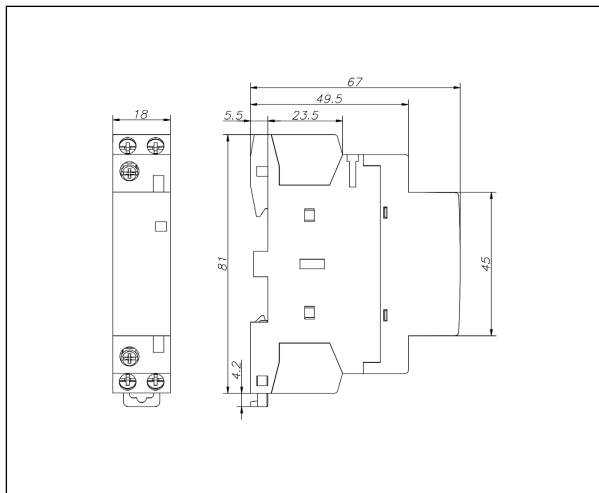
Table 1

Contactor code	Configuration of contacts	Control coil voltage
RXC25-20-A024	2 NO	24 V AC 50/60 Hz
RXC25-11-A024	1 NO + 1 NC	24 V AC 50/60 Hz
RXC25-02-A024	2 NC	24 V AC 50/60 Hz
RXC25-20-A230	2 NO	230 V AC 50/60 Hz
RXC25-11-A230	1 NO + 1 NC	230 V AC 50/60 Hz
RXC25-02-A230	2 NC	230 V AC 50/60 Hz
RXC25-20-D024	2 NO	24 V DC
RXC25-11-D024	1 NO + 1 NC	24 V DC
RXC25-02-D024	2 NC	24 V DC

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### Dimensions

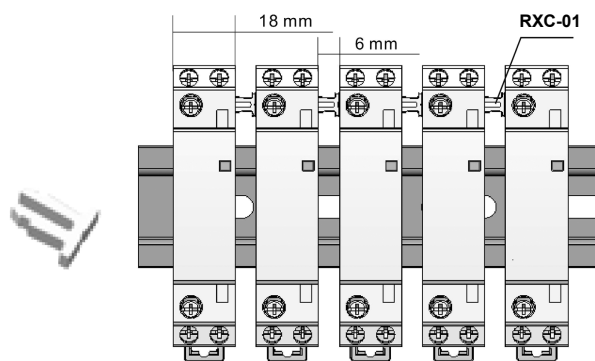
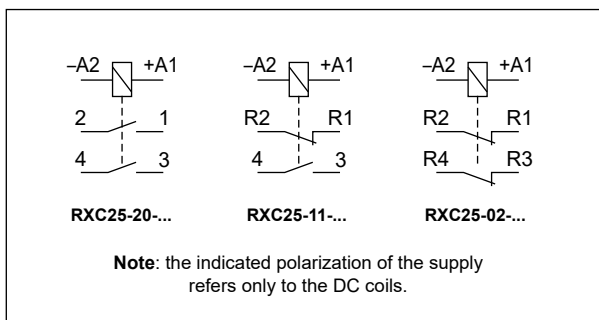


### Mounting, accessories for contactors

Installation contactors **RXC25** are designed for direct mounting on 35 mm rail mount acc. to EN 60715 ④ - they are delivered ready to install. Operational position - shall be vertical, and the inclination in each direction shall not exceed  $\pm 5^\circ$  (there shall be no significant shock and vibration). **Connections:** conductor cross section: input 1,5...2,5 mm<sup>2</sup> / 1,5...2,5 mm<sup>2</sup> (hard wire / flexible cord), output 1,5...6 mm<sup>2</sup> / 1...4 mm<sup>2</sup> (hard wire / flexible cord), input terminals: 2 screws M3,5, max. tightening moment for the terminal: 0,8 Nm, output terminals: 4 screws M3,5, max. tightening moment for the terminal: 0,8 Nm.

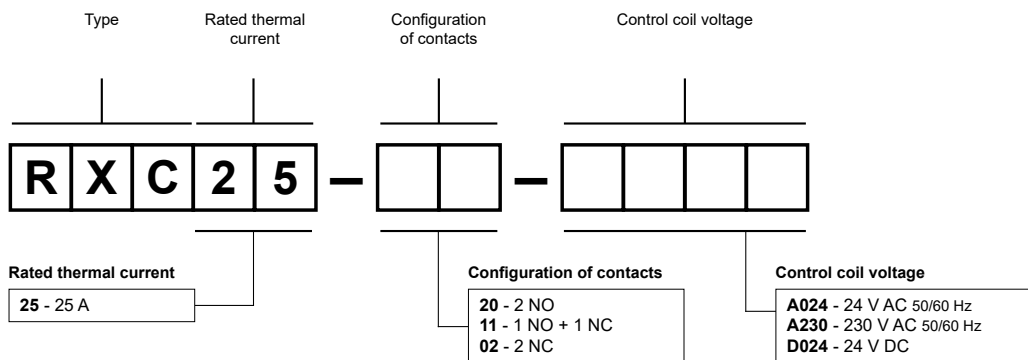
For **RXC25** contactors we offer heat insulation **RXC-01** (is easy to install, saves space and has better heat dissipation effect) ⑤.

### Connection diagrams



- ④ The distance at least 6 mm between the contactors mounted side by side.
- ⑤ When contactors are installed too tightly, heat insulation parts must be installed between them to facilitate heat dissipation; when the temperature in the distribution box is too high, the capacity of contactor needs to be reduced.

### Ordering codes



Examples of ordering codes ⑥:

**RXC25-11-D024** contactor **RXC25-...**, rated thermal current 25 A, double-pole - contacts 1 NO + 1 NC, control coil voltage 24 V DC

**RXC25-02-A230** contactor **RXC25-...**, rated thermal current 25 A, double-pole - contacts 2 NC, control coil voltage 230 V AC 50/60 Hz

⑥ Ordering codes **RXC25-...** are specified in Table 1, "Contactor code" column.