

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 AC3 / AC7b | 25 A 8,5 A | |
| Rated thermal current | | 25 A | |
| Insulation rated voltage | | 500 V AC | |
| Operational power | AC1 / AC7a AC3 / AC7b | 5,5 kW 230 V AC 2 kW 230 V AC | 10 kW 400 V AC 3,4 kW 400 V AC |
| Input circuit - coil data | | | |
| Control voltage | 50/60 Hz AC DC | 24, 230 V 24 V | |
| Release voltage | | 0,2...0,75 U _s | |
| Range of control voltage | | 0,85...1,1 U _s (under operating conditions) | |
| Maximum power | | 1,3 W 24 V AC | 1,2 W 230 V AC |
| General data | | | |
| Electrical life (cycles) | | 10 ⁵ | |
| Mechanical life (cycles) | | > 10 ⁶ | |
| 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

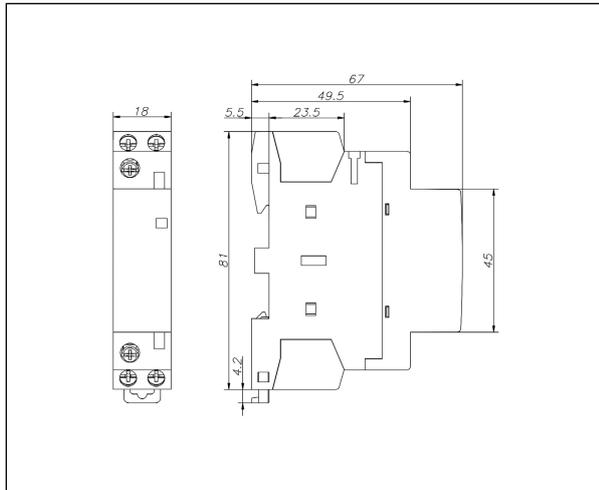
Table 1

| 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

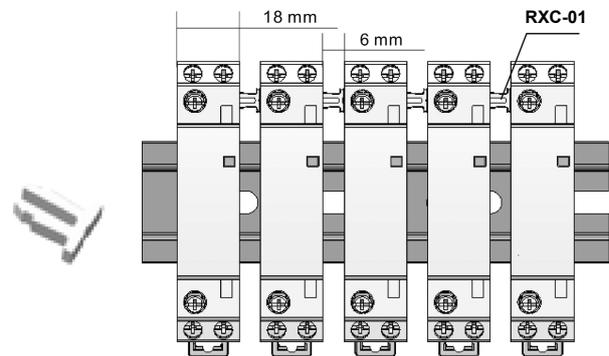
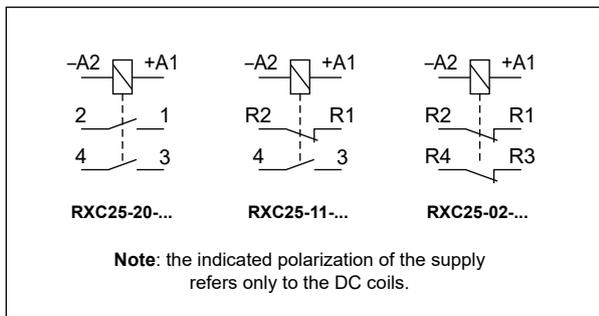


Mounting, accessories for contactors

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 mm² / 1,5...2,5 mm² (hard wire / flexible cord), output 1,5...6 mm² / 1...4 mm² (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.

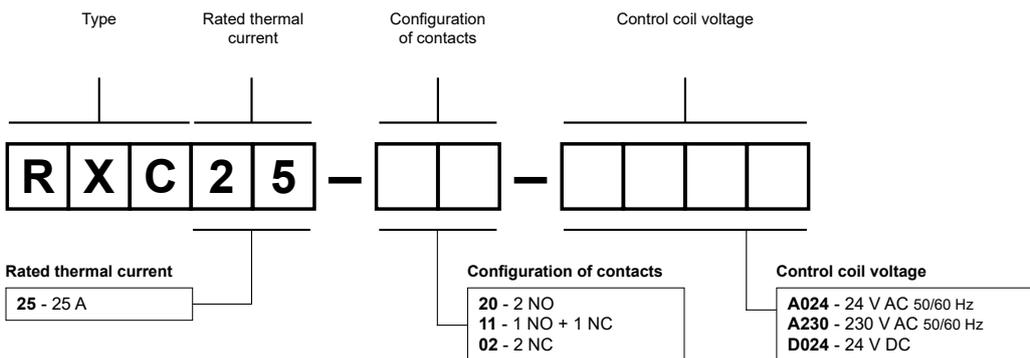
For **RXC25** contactors we offer heat insulation **RXC-01** (is easy to install, saves space and has better heat dissipation effect) ⑤.

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.