RXC25
installation contactors

- **Four-pole installation contactors**
- Protection against direct contact IP 20
- AC and DC input voltages
- Cover - modular, width 36 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, CE EHC UKCA

Output circuit - contact data

Number and type of contacts		4 NO, 3 NO + 1 NC, 2 NO + 2 NC
Rated operational voltage		400 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_s
Range of control voltage		0,85...1,1 U_s (under operating conditions)
Maximum power		1,6 W 24, 230 V AC

General data

Electrical life (cycles)		10^5
Mechanical life (cycles)		$> 10^6$
Rated working system • intermitent working system		30 times/h load factor 40%
Dimensions (L x W x H)		81 ❶ x 36 x 67 mm
Weight		200 g
Ambient temperature	• operating	-5...+60 ºC (non-condensation and/or icing)
Cover protection category		IP 20 EN 60529
Relative humidity		≤ 50% 40 °C ≤ 90% 20 °C ❷
Operating altitude		0...2 000 m
Overvoltage category		II
Insulation pollution degree		2

❶ Length with 35 mm rail catche: 85,2 mm.   ❷ Special measures shall be taken for occasional condesation due to temperature changes.

Table of codes		Table 1
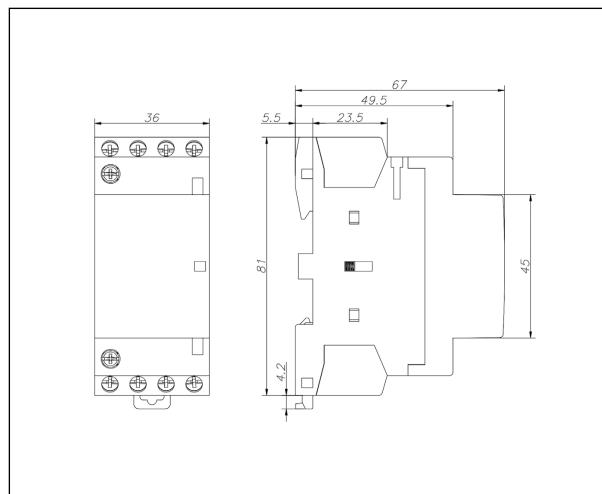
Contactor code	Configuration of contacts	Control coil voltage
RXC25-40-A024	4 NO	24 V AC 50/60 Hz
RXC25-31-A024	3 NO + 1 NC	24 V AC 50/60 Hz
RXC25-22-A024	2 NO + 2 NC	24 V AC 50/60 Hz
RXC25-40-A230	4 NO	230 V AC 50/60 Hz
RXC25-31-A230	3 NO + 1 NC	230 V AC 50/60 Hz
RXC25-22-A230	2 NO + 2 NC	230 V AC 50/60 Hz
RXC25-40-D024	4 NO	24 VDC
RXC25-31-D024	3 NO + 1 NC	24 VDC
RXC25-22-D024	2 NO + 2 NC	24 VDC

Dimensions

Mounting, accessories for contactors

Installation contactors **RXC25** are designed for direct mounting on 35 mm rail mount acc. to EN 60715 ❸ - they are delivered ready to install. Operational position - shall be vertical, and the inclination in each direction shall not exceed ±5° (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: 8 screws M3,5, max. tightening moment for the terminal: 0,8 Nm.
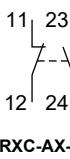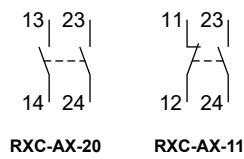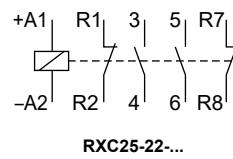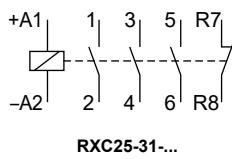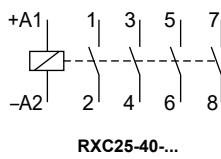
For **RXC25** contactors we offer additional auxiliary contacts **RXC-AX** (mounted on the side of the contactor, increase the width by 9 mm).

❸ The distance at least 6 mm between the contactors mounted side by side.
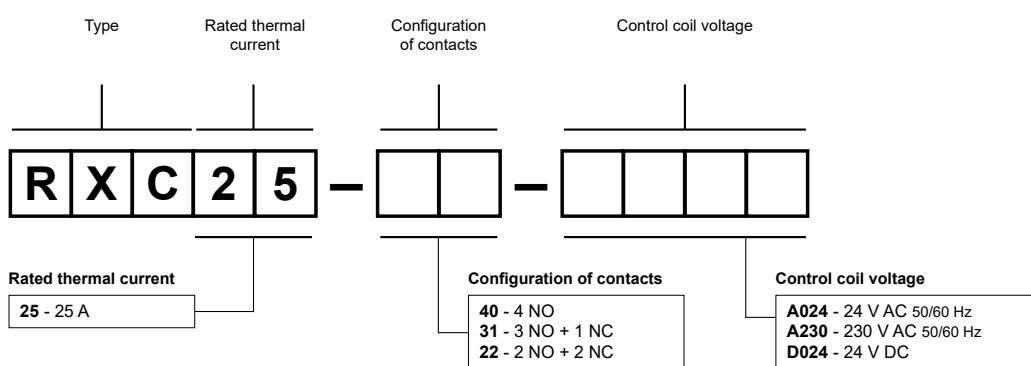
RXC-AX

Connection diagrams

| RXC25-40-... | RXC25-31-... | RXC25-22-... | RXC-AX-20 | RXC-AX-11 |

Note: the indicated polarization of the supply refers only to the DC coils.

Ordering codes

| Type | Rated thermal current | Configuration of contacts | Control coil voltage |

R X C 2 5 — ☐☐ — ☐☐☐☐

Rated thermal current

25 - 25 A

Configuration of contacts

40 - 4 NO
31 - 3 NO + 1 NC
22 - 2 NO + 2 NC

Control coil voltage

A024 - 24 V AC 50/60 Hz
A230 - 230 V AC 50/60 Hz
D024 - 24 V DC

Examples of ordering codes ❹:

RXC25-40-A230   contactor **RXC25-…**, rated thermal current 25 A, four-pole - contacts 4 NO, control coil voltage 230 V AC 50/60 Hz

RXC25-22-D024   contactor **RXC25-…**, rated thermal current 25 A, four-pole - contacts 2 NO + 2 NC, control coil voltage 24 V DC

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

28.09.2023

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