

NXRC contactor relay

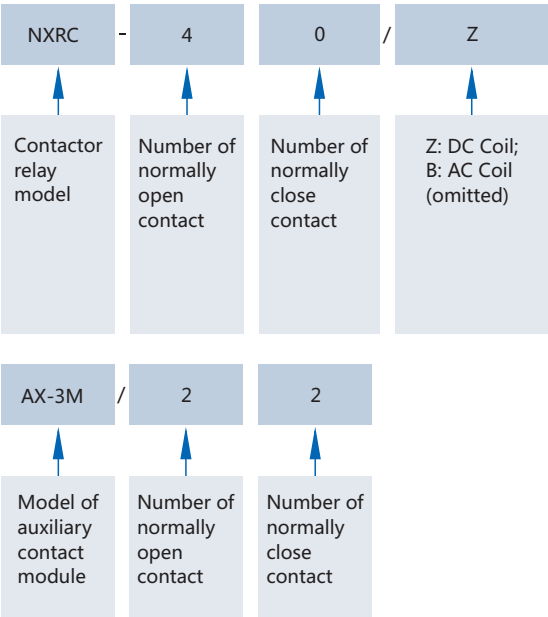


Overview

Applicable scope

- NXRC contactor relay is mainly used in AC 50Hz or 60Hz relay control circuit, signal transmission circuit and isolation amplifier circuit with a maximum rated operational voltage of 380V and a maximum DC rated voltage of 220V.
- Applicable standard: IEC/EN60947-5-1.

Description



NXRC contact combination form

Model	Number of normally open contact	Number of normally closed contact
NXRC-04, NXRC-04/Z	0	4
NXRC-13, NXRC-13/Z	1	3
NXRC-22, NXRC-22/Z	2	2
NXRC-31, NXRC-31/Z	3	1
NXRC-40, NXRC-40/Z	4	0

Combination form of AX-3M auxiliary contact module

Model	Number of normally open contact	Number of normally closed contact
AX-3M/04	0	4
AX-3M/13	1	3
AX-3M/22	2	2
AX-3M/31	3	1
AX-3M/40	4	0
AX-3M/11	1	1
AX-3M/20	2	0
AX-3M/02	0	2

Model example:
NXRC-40 220V 50Hz means the contactor relay of which the contact combination form is quadrupole normally open, coil control voltage is AC 220V, and frequency is 50Hz.

Normal working conditions and installation conditions

- Surrounding ambient temperature: $-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$; the mean value does not exceed $+35^{\circ}\text{C}$ within 24 hours.
- Sea level elevation: not exceed 2000m.
- Atmospheric conditions: The relative humidity shall not exceed 50% when the maximum temperature is $+40^{\circ}\text{C}$; the relative humidity can be higher when the temperature is lower; for example, at 20°C , the relative humidity can be 90%. Special measures shall be taken if there is condensation caused accidentally owing to temperature changes.
- Class of pollution: class 3.
- Installation category: category III.
- Installation condition: angle of slope between the mounting surface and vertical plane is not bigger than $\pm 5^{\circ}$.
- Impact and vibration: The product shall be installed and used in the place without serious shaking, shock, and vibration.

Parameters

Main technical parameters

Rated insulation voltage (Ui)	Conventional free air thermal current (Ith)	Rated control capacity				Operating frequency (times/h)	Electrical endurance (10k times)	Mechanical endurance (10k times)
		Utilization category	Rated operational voltage	Rated operational current	Control capacity			
690V	10A	AC-15	380V	1.5A	570VA	1200	100	1000
		DC-13	220V	0.3A	66W			

Rated control power supply voltage of coil (Us)

- AC: 24V, 36V, 48V, 110V, 127V, 220V, 380V, 415V
- DC: 24V, 48V, 110V, 220V
- Actuation range: Pull-in voltage (85%~120%) U_s , $+40^{\circ}\text{C}$
- Release voltage is AC: (20%~75%) U_s , DC: (10%~75%) U_s (-5°C)

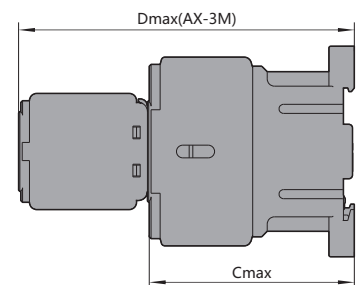
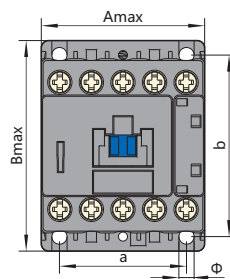
Structural feature

- Derived from NXC-06M series, the overall dimension and installation dimension are the same as NXC-06M; AX-3M auxiliary contact can be hung from it.
- The product has a small size, and has AC and DC operating coils.

Dimensions and installation

NXRC

Overall Dimension and Installation Dimension



Model	Amax	Bmax	Cmax	Dmax	a	b	Φ
NXRC-40, 31, 22, 13, 04	45.5	59	58	94	35 ± 0.35	50 ± 0.48	4.2
NXRC-40/Z, 31/Z, 22/Z, 13/Z, 04/Z	45.5	59	70	106	35 ± 0.35	50 ± 0.48	4.2

Ordering instructions

- When an order is placed, please indicate the product name and model, rated operational voltage and frequency of the coil, and amount of order.
- Example of order: NXRC-40/Z contactor relay; coil voltage: DC 24V 10 sets.