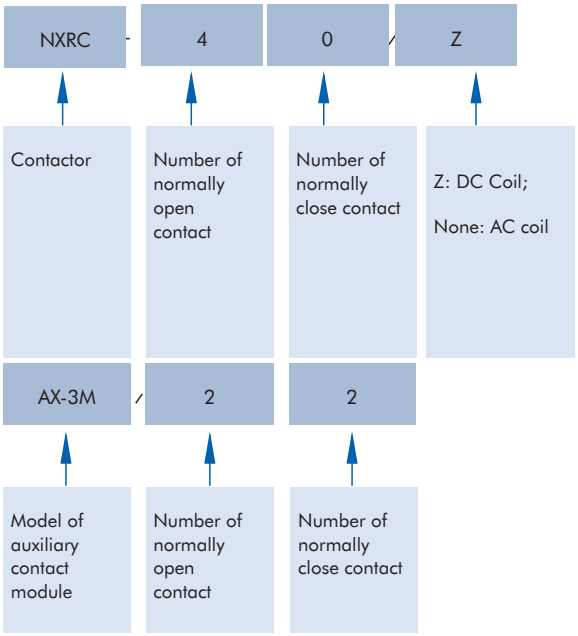


NXRC Series Contactor Relays

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.

Type Designation



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°C～+40°C; the mean value does not exceed +35°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°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 accidently 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 ±5°.
- 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%) Us, +40°C
  Release voltage is AC: (20%～75%) Us, DC: (10%～75%) Us (-5°C)

Structural feature

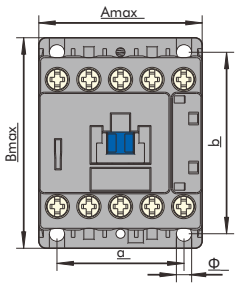
- Derived from NXC-06M series, the overall dimension and installation dimension are the same as NXC-06M; AX-3M auxiliary contact can be hung from it.
- The product has a small size, and has AC and DC operating coils.

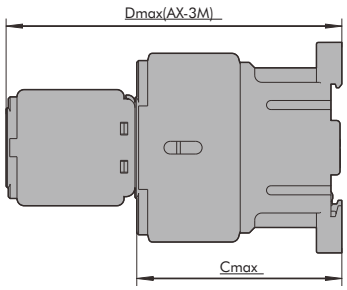
Dimensions and installation

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.

NXRC	-	40	/	Z	DC24V	50/60Hz
Product Series		**Main Contact**		**Coil Type**	**Coil voltage**	**Frequency**
		04: 4NC 13: 1NO+3NC 22: 2NO+2NC 31: 3NO+1NC 40: 4NO		Blank: AC coil Z: DC coil	24V: AC24V 110V: AC110V 220V: AC220V 380V: AC380V DC24V: DC24V DC48V: DC48V DC110V: DC110V DC220V: DC220V	50/60Hz

NXRC Relay

Main Contacts	Coil	Model Description	Code
4NC	AC 380V 50/60Hz	NXRC-04 380V 50/60Hz	930056
4NC	AC 220V 50/60Hz	NXRC-04 220V 50/60Hz	930057
4NC	AC 110V 50/60Hz	NXRC-04 110V 50/60Hz	930058
4NC	AC 24V 50/60Hz	NXRC-04 24V 50/60Hz	930059
4NC	DC220V	NXRC-04/Z DC220V	930076
4NC	DC110V	NXRC-04/Z DC110V	930077
4NC	DC48V	NXRC-04/Z DC48V	930078
4NC	DC24V	NXRC-04/Z DC24V	930079
1NO+3NC	AC 380V 50/60Hz	NXRC-13 380V 50/60Hz	930052
1NO+3NC	AC 220V 50/60Hz	NXRC-13 220V 50/60Hz	930053
1NO+3NC	AC 110V 50/60Hz	NXRC-13 110V 50/60Hz	930054
1NO+3NC	AC 24V 50/60Hz	NXRC-13 24V 50/60Hz	930055
1NO+3NC	DC220V	NXRC-13/Z DC220V	930072
1NO+3NC	DC110V	NXRC-13/Z DC110V	930073
1NO+3NC	DC48V	NXRC-13/Z DC48V	930074
1NO+3NC	DC24V	NXRC-13/Z DC24V	930075
2NO+2NC	AC 230V 50/60Hz	NXRC-22 230V 50/60Hz	269777
2NO+2NC	AC 48V 50/60Hz	NXRC-22 48V 50/60Hz	530269
2NO+2NC	AC 380V 50/60Hz	NXRC-22 380V 50/60Hz	930048
2NO+2NC	AC 220V 50/60Hz	NXRC-22 220V 50/60Hz	930049
2NO+2NC	AC 110V 50/60Hz	NXRC-22 110V 50/60Hz	930050
2NO+2NC	AC 24V 50/60Hz	NXRC-22 24V 50/60Hz	930051
2NO+2NC	DC220V	NXRC-22/Z DC220V	930068
2NO+2NC	DC110V	NXRC-22/Z DC110V	930069
2NO+2NC	DC48V	NXRC-22/Z DC48V	930070
2NO+2NC	DC24V	NXRC-22/Z DC24V	930071
3NO+1NC	AC 380V 50/60Hz	NXRC-31 380V 50/60Hz	930044
3NO+1NC	AC 220V 50/60Hz	NXRC-31 220V 50/60Hz	930045
3NO+1NC	AC 110V 50/60Hz	NXRC-31 110V 50/60Hz	930046
3NO+1NC	AC 24V 50/60Hz	NXRC-31 24V 50/60Hz	930047
3NO+1NC	DC220V	NXRC-31/Z DC220V	930064
3NO+1NC	DC110V	NXRC-31/Z DC110V	930065
3NO+1NC	DC48V	NXRC-31/Z DC48V	930066
3NO+1NC	DC24V	NXRC-31/Z DC24V	930067
4NO	AC 380V 50/60Hz	NXRC-40 380V 50/60Hz	930040
4NO	AC 220V 50/60Hz	NXRC-40 220V 50/60Hz	930041
4NO	AC 110V 50/60Hz	NXRC-40 110V 50/60Hz	930042
4NO	AC 24V 50/60Hz	NXRC-40 24V 50/60Hz	930043
4NO	DC220V	NXRC-40/Z DC220V	930060
4NO	DC110V	NXRC-40/Z DC110V	930061
4NO	DC48V	NXRC-40/Z DC48V	930062
4NO	DC24V	NXRC-40/Z DC24V	930063