

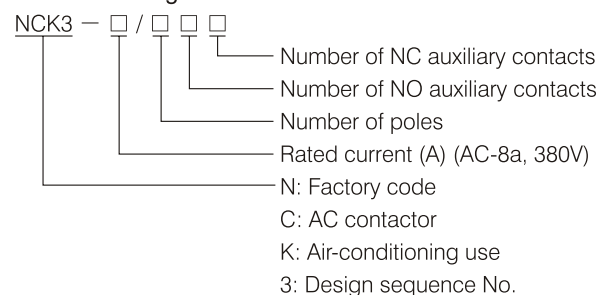
NCK3 series air-conditioning AC contactor

Application

NCK3 series air-conditioning AC contactor is mainly used in a circuit of AC 50Hz, rated working voltage up to 380V and rated working current up to 40A, used to make and break the circuit. The product is in conformity with the standards: GB 17885

Model meaning and classification




Model meaning



Working condition

Environmental temperature is -5°C ~ +40°C.
 The average temperature in 24 hours shall not exceed +35°C.
 The altitude of the installation place shall not exceed 2000m.
 The relative humidity shall not exceed 50% when the environmental temperature is +40°C.
 The relative humidity may be higher at the lower temperature condition. The maximum month-average relative humidity is 90% in the most humid month with a minimum monthaverage temperature +25°C. The factor that dew may occur on the product surface due to temperature change shall be taken into consideration.
 Pollution grade: Grade III
 Installation class : III
 The product shall be installed and operated at a place without obvious shake, impact and vibration.

Main technical parameter

Model	NCK3-25		NCK3-32		NCK3-40		
Picture							
Rated insulation voltage (V)	630		630		630		
Rated working voltage (V)	220	380	220	380	220	380	
Rated working current (A)	25	25	32	32	40	40	
Max. making/breaking current (A)	150	150	192	192	240	240	
Conventional heating current (A)	32		40		50		
Control voltage of the coil Us(V)	220, 380 AC 50HZ		220, 380 AC 50HZ		220, 380 AC 50HZ		
Application class	AC-1, AC-7a, AC-8a		AC-1, AC-7a, AC-8a		AC-1, AC-7a, AC-8a		
Power consumption of coil (VA)	Pick-up	48	48	48	48	48	
	Holding	10.5	10.5	10.5	10.5	10.5	
Action range	Pick-up voltage	65%~110%Us		65%~110%Us		65%~110%Us	
	Release voltage	20%~55%Us		20%~55%Us		20%~55%Us	
Conventional operation life time(times)	3×104		3×104		3×104		
	Rated voltage Ui (V)	600		600		600	
Auxiliary contact	Rated current Ith (A)	10		10		300	
	Control capacity AC (VA)	300		300		10	
	DC (W)	30		30		30	

Structure and features

The components of the contactor is disposed in 3D way, the upper part is contacting system, direct-acting bridge type double breaking points, and the contacts are made of silver alloy material; the lower part is electro-magnetism system, iron core in the electromagnetic system is of LL shape direct-acting type, and the moving iron core is made of electric purified iron.

According to number of poles, the contactors can be divided into three types, single pole, single pole with a NC auxiliary contact, and two poles.

Installation dimension and outline dimension

