

Main Contactors for electrical devices K3-..NB..

- Specifically developed for IEC 60335 applications
- Switch AC1 loads up to 52A
- Space saving design, large box terminals
- International approbations
- AC- or DC- operated



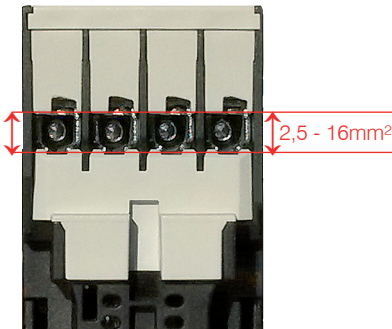
New



Technical data according to IEC 947-4-1, EN 60947-4-1, VDE 0660

Main contacts	Type	K3-10NB	K3-18NB
Rated insulation voltage U_i	V~	690	690
Making capacity I_{eff} bei $U_e = 690V\sim$	A	200	200
Breaking capacity I_{eff} 400V~	A	180	200
Utilization category AC1			
Switching of resistive load			
Rated operational current $I_e (=I_{th})$ at 40°C, open	690V A	45	52
Rated operational power of three phase resistive loads 50-60Hz, cosφ= 1			
230V kW		17,9	20,7
400V kW		31,1	36
440V kW		34,2	39,6
500V kW		38,9	45
690V kW		53,7	62,1
Rated operational current $I_e (=I_{th})$ at 60°C, enclosed	690V A	35	40
Rated operational power of three phase resistive loads 50-60Hz, cosφ= 1			
230V kW		13,9	15,9
400V kW		24,2	27,7
440V kW		26,6	30,4
500V kW		30,3	34,6
690V kW		41,8	47,8
Rated operational current $I_e (=I_{th})$ at 75°C, open	690V A	32	37
Rated operational current $I_e (=I_{th})$ at 90°C, open	690V A	27	32
Minimum cross-section of conductor at load with $I_e (=I_{th})$	mm²	10	16

large box terminals



Cable cross-sections

1 cable per clamp		
main connector	solid or stranded	2,5 - 16mm²
	flexible	2,5 - 10mm²
	flexible with multicore cable end	2,5 - 10mm²
2 cables per clamp		
	solid or stranded	16+(1,5-2,5)mm²
		10+ (1,5-6)mm²
		6+ (1,5-10)mm²
		4+ (1,5-10)mm²
	flexible	16+(1,5-2,5)mm²
		10+ (1,5-4)mm²
		6+(1,5-6)mm²

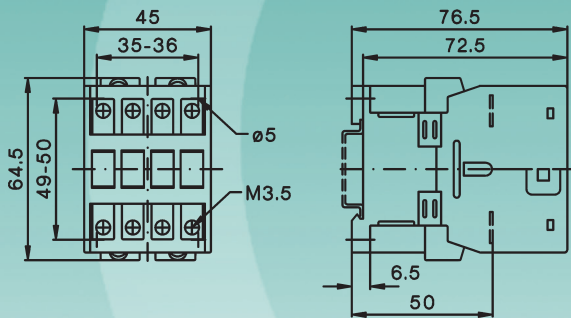


K3-10NB.., K3-18NB..

Dimensions for K3-..NB Main contactors:

AC operated

K3-10NB..
K3-18NB..



DC operated

K3-10NB..
K3-18NB..

