CAPACITOR CONTACTORS type CNNK 2.5 - CNNK 16

Features

- In conformity with: IEC 60947-1, IEC 60947-4
- Switching of 3 phase capacitors
- Ambient temperature of 55 ^{0}C
- Available in other AC voltages on request
- Maximum permissible peak current I ≤ 100 Ie

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Selection and ordering data

	AC-6b utilization category For switching three-phase capacitors				Auxiliary contacts		Type	Weights
	Capacitor rating at operating voltage 50 Hz			Ie (A)				kg
	230 V kVAr	400/440V kVAr	690 V kVAr	400 V/50 Hz	NO	NC		
	1,4	**2,5**	3,7	**3,6**	0	0	**CNNK 2,5 00**	0.24
					1	0	**CNNK 2,5 10**	0.25
					0	1	**CNNK 2,5 01**	
	2,8	**5**	7,5	**7,2**	0	0	**CNNK 5 00**	0.25
					1	0	**CNNK 5 10**	0.26
					0	1	**CNNK 5 01**	
	4	**7,5**	11	**11**	0	0	**CNNK 7,5 00**	0.27
					1	1	**CNNK 7,5 11***	0.29
	6.7	**12,5**	18	**18**	0	0	**CNNK 16 00**	0.395
					1	1	**CNNK 16 11***	0.415

Note:
Maximum permissible peak current I ≤ 100 times the nominal rms current of the switched capacitor

*) With BP3 11.

CAPACITOR CONTACTORS type CNNK 10 - CNNK 30

Features

- In conformity with: IEC 60947-1, IEC 60947-4
- Switching of 3 phase capacitors
- Ambient temperature of 55 °C
- Available in other AC voltages on request
- Maximum permissible peak current I ≤ 200 Ie

Selection and ordering data

	AC-6b utilization category For switching three-phase capacitors				Auxiliary contacts		Type	Weights
	Capacitor rating at operating voltage 50 Hz			Ie (A)				kg
	230 V kVAr	400/440V kVAr	690 V kVAr	400 V/50 Hz	NO	NC		
	5	**10**	15	**14**	2 1 0	0 1 2	**CNNK 10 20** **CNNK 10 11** **CNNK 10 02**	0.320
	6,7	**12.5**	18	**18**	2 1 0	0 1 2	**CNNK 12 20** **CNNK 12 11** **CNNK 12 02**	0.320
	8.5	**15**	22	**22**	2 1 0	0 1 2	**CNNK 15 20** **CNNK 15 11** **CNNK 15 02**	0.325
	11	**20**	30	**29**	1 0	0 1	**CNNK 20 10** **CNNK 20 01**	0.333
	14	**25**	35	**36**	1 1 0	0 0 1	**CNNK 25E 10*** **CNNK 25 10** **CNNK 25 01**	0.450 0.520
	20	**30**	40	**44**	1 0	0 1	**CNNK 30 10** **CNNK 30 01**	0.525

* Without terminal blocks (see page 1/54 and 1/56)

These CNNK contactors are equipped with early-make contacts.
This special type of contact has the purpose of connecting for a very brief interval, 2-3ms, during the contactor closing, resistors which limit the connecting current of the capacitors. These resistors are then excluded when the closing operation is complete and the current capacity is conveyed to the main contacts. With this type of circuit, it is possible to obtain minor wear of all the components of the system especially fuses and capacitors ensuring a longer life and better reliability.

CAPACITOR CONTACTORS type CNNK 40 - CNKM 80

Features

- In conformity with: IEC 60947-1, IEC 60947-4
- Switching of 3 phase capacitors
- Ambient temperature of 55 °C
- Available in other AC voltages on request
- Maximum permissible peak current I ≤ 200 Ie

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Selection and ordering data

	AC-6b utilization category For switching three-phase capacitors Capacitor rating at operating voltage 50 Hz			Ie (A)	Auxiliary contacts		Type	Weights
	230 V kVAr	400/440V kVAr	690 V kVAr	400 V/50 Hz				kg
	25	**40**	58	**58**	1 0	0 1	**CNNK 40 10** **CNNK 40 01**	0.943
	29	**50**	70	**72**	1 0	0 1	**CNNK 50 10** **CNNK 50 01**	0.945
	32	**60**	80	**87**	1 0	0 1	**CNNK 60 10** **CNNK 60 01**	0.97
	32 35	**60** **70**	85 90	**87** **101**	1 0 1 0	0 1 0 1	**CNNK 60N 10** **CNNK 60N 01** **CNNK 70 10** **CNNK 70 01**	1.35 1.40
	34 45	**60** 80	92 115	**87** **116**	2 2	2 2	**CNKM 60 22** **CNKM 80 22**	2.4 2.45

These CNNK and CNKM contactors are equipped with early-make contacts.
This special type of contact has the purpose of connecting for a very brief interval, 2-3ms, during the contactor closing, resistors which limit the connecting current of the capacitors. These resistors are then excluded when the closing operation is complete and the current capacity is conveyed to the main contacts. With this type of circuit, it is possible to obtain minor wear of all the components of the system especially fuses and capacitors ensuring a longer life and better reliability.