



## IEC Contactors and Overload Relays

Technical Solutions

Mini Series Contactors and Overload Relays  
Freedom Series Contactors and Overload Relays  
Modular Series Contactors and Overload Relays



### Mini Series Contactors and Overload Relays

Contactors	2
Contactors – reversing	2
Accessories	3
Technical data	4
Lighting circuit switching	6
Overload relay	7
Technical data	7
Dimensions	8



### Freedom Series Contactors and Overload Relays

Contactors	10
Accessories	11
Thermal overload relays	14
Type 2 Co-ordination Selection procedure	16
Technical data	18
Dimensions	33




### Modular Series Contactors and Overload Relays

Contactors	38
Accessories	40
Technical data	42
Dimensions	47
Thermal overload relays	49
Technical data	50
Dimensions	54


## Mini Series – 4 and 5.5kW

## Catalogue numbers

## Contactors

	AC3 rating 3ph 400/440V	Number of contacts		Catalogue numbers
		Main	Auxiliary	
	4kW	3 N.O.	1 N.O.	CE12BNC310*
		3 N.O.	1 N.C.	CE12BNC301*
		4 N.O.	Ø	CE12BNC400*
	5.5kW	3 N.O.	1 N.O.	CE12CNC310*
		3 N.O.	1 N.C.	CE12CNC301*
		4 N.O.	Ø	CE12CNC400*

## Contactors – Reversing

	AC3 rating 3ph 400/440V	Number of contacts		Catalogue numbers
		Main	Auxiliary	
	4kW	3 N.O.	1 N.O.	CE52BNC310*
		3 N.O.	1 N.C.	CE52BNC301*
	5.5kW	3 N.O.	1 N.O.	CE52CNC310*
		3 N.O.	1 N.C.	CE52CNC301*

\* Add suffix for coil voltage from the tables below

## A.C. operating coils - 3.5VA

Coil voltage 40 to 450Hz	Suffix
24	T
48	W
110 - 127	A
220 - 240	B
277	H
380 - 415	L

## D.C. low power consumption operating coils for non-reversing contactors à

Coil voltage	Suffix
24 (1.4 watts)	T2
24 (1.7 watts with surge suppressor)	T3
17 - 32 (2.4 watts)	V2
17 - 32 (2.8 watts with surge suppressor)	V3

àCan not be used when auxiliary contacts are fitted.

## D.C. operating coils - 3.5 watts

Coil voltage	Suffix
12	R1
24	T1
48	W1
110 - 125	A1
220 - 240	B1