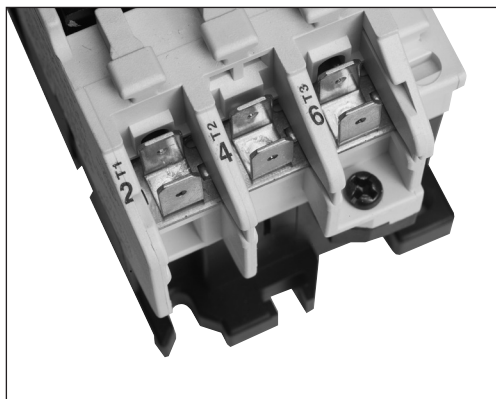


Contactors CI 6 – CI 30 for AC coil voltage with AMP connections



The CI 6 – CI 30 contactors are also available with AMP connections in main circuits. Coils are equipped with standard screw connections.

This version can be especially useful in the applications where contactors are installed in the large number of standardized machines (welding machines or A/C units).

Type	Main circuit						Code no. ^{1) 2)}
	AC-3 load			AC-1 load			
	U_e 220 – 240 V [kW]	U_e 380 – 690 V [kW]	I_e [A]	$I_{th}^{4)}$ Open [A]	$I_{the}^{5)}$ Encl. [A]	max. $I_{th}^{6)}$ (make) [A]	
CI 6 ³⁾	1.5	2.2	6	20	16	–	037H4016
CI 9	2.2	4.0	9	25	16	–	037H4023
CI 12	3.0	5.5	12	25	20	–	037H4033
CI 15	4.0	7.5	15	25	20	30	037H4042
CI 16	4.0	7.5	16	40	25	45	037H4040
CI 20	5.5	10.0	20	40	25	45	037H4060
CI 25	5.5	11.0	25	40	25	45	037H4052
CI 30	8.5	15.0	32	40	30	50	037H4057

- 1) Suffix defining coil voltage/frequency must be added to the Danfoss code no. (see table on page 4).
- 2) The minimum order size is 30 pcs. for CI 6 to CI 15 and 25 pcs. for CI 16 to CI 30 in industrial packs. Industrial packs should be ordered as **037H40xxxx**.
- 3) AC-15 Operation: max. 500 VA/6A
- 4) The thermal current value I_{th} represents the maximum load at 40 °C, which corresponds to installing the contactor in air (open).
- 5) The thermal current value I_{the} represents the maximum load at 60 °C, which corresponds to installing the contactor inside an enclosure.
- 6) Heat-resistant leads (min. 75 °C) must be used.

**AC coil voltages and coils for
CI 6 – CI 30**

Coil voltage *	Suffix no.	Code no.
24 V, 50 – 60 Hz	13	037H6484 ¹⁾
24 V, 50 Hz / 29 V, 60 Hz	16	037H6462
42 V, 50 Hz / 50 V, 60 Hz	17	037H6463
110 V, 50 Hz / 110 – 120 V, 60 Hz	23	037H6487 ¹⁾
208 – 230 V, 60 Hz	28	037H6450 ²⁾
220 – 230 V, 50 Hz / 220 V, 60 Hz	32	037H6488 ¹⁾
220 – 240 V, 50 Hz	31	037H6472
380 – 400 V, 50 Hz / 440 V, 60 Hz	37	037H6478
415 V, 50 Hz / 500 V, 60 Hz	38	037H6479
500 V, 50 Hz / 600 V, 60 Hz	94	037H6481

**AC coil voltages and coils for
CI 32 – CI 50**

Coil voltage *	Suffix no.	Code no.
24 V, 50 – 60 Hz	13	037H6084 ¹⁾
42 V, 50 Hz / 50 V, 60 Hz	17	037H6063
110 V, 50 Hz / 110 – 120 V, 60 Hz	23	037H6087 ¹⁾
208 – 230 V, 60 Hz	28	037H6050 ²⁾
220 – 230 V, 50 Hz / 220 V, 60 Hz	32	037H6088 ¹⁾
220 – 230 V, 50 Hz	31	037H6072
380 – 400 V, 50 Hz / 440 V, 60 Hz	37	037H6078
415 V, 50 Hz / 500 V, 60 Hz	38	037H6079
500 V, 50 Hz / 600 V, 60 Hz	94	037H6081

*) Standard coil voltage from -15% to 10%.

1) Double frequency coil: voltage range $\pm 10\%$.

Continuous operation: ambient temperature max. 55 °C, non-enclosed

Intermittent operation: energized for 30 min/hour: ambient temperature max. 65 °C

2) Operating conditions and tolerances as for double frequency coils.

Correct ordering of contactors

Example: CI 9 with four main contacts and

24 V, 50 Hz coil voltage.

Select one of the following two forms of ordering:

1. Danfoss code no. + Suffix no.:

037H002216

or

2. Danfoss code no. + coil voltage/frequency:

037H0022, 24 V/50 Hz