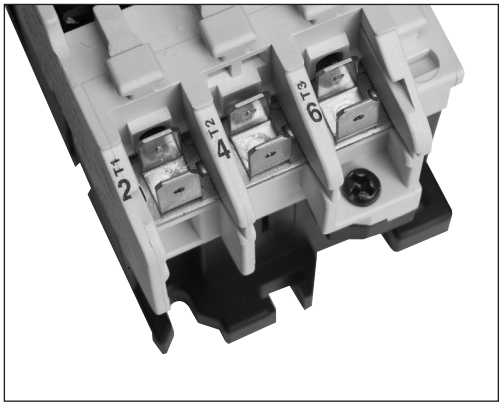
Contactors CI 6 – CI 30 for AC coil voltage with AMP connections



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).

	Main circuit						
	AC-3 load			AC-1 load			
Type	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]	Code no.[1) 2)]
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 ±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