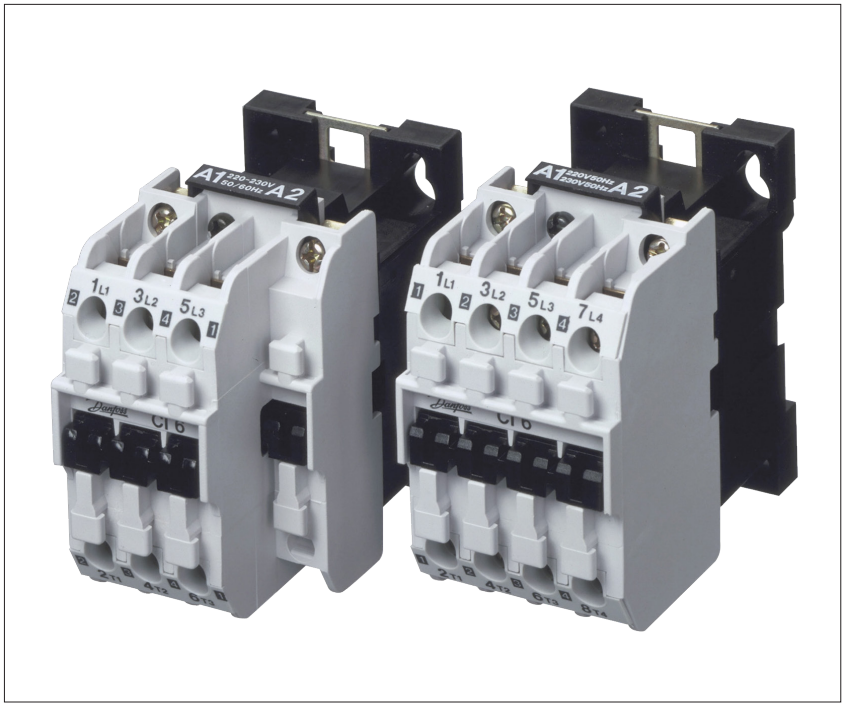
ENGINEERING
TOMORROW

Data sheet

CI-TI™ Contactors and Motor Starters
Type CI 6 - 50



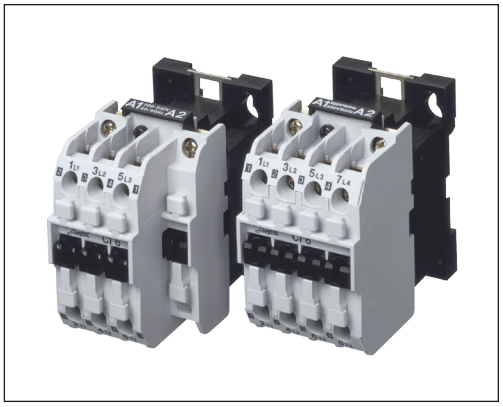
CI-TI™ contactors and motor starters provide trouble-free switching and maximum protection for costly motors and other electrical equipment.

The components are compact, easy to install and extremely reliable.

They are designed to meet demanding requirements, based on comprehensive application experience.

More than sixty years of manufacturing experience ensure that our contactors and motor starters stand out with regards to quality and long life.

Contactors CI 6 – CI 50 for AC coil voltage (no built-in auxiliary contacts)



Danfoss contactors CI 6 – CI50 cover the power range 2.2 – 25 kW.
CI 6 is built up as a combined contactor/control relay.
CI 9 DC – CI 30 DC and CI 9 EI – CI 30 EI are contactors for DC coil voltage within the power range 2.2 – 15 kW. The range CI 9 EI – CI 30 EI has built-in interface relay for PLC application with 24 V DC output.
Accessories include a wide selection of clip-on auxiliary contact blocks and timers, interface modules and RC links.
The CI 6 – CI 50 range also includes thermal overload relays for protection of squirrel-cage motors.

	Main circuit							Auxiliary contacts	
	AC-3 load			I_{th}[4]	I_{the}[5]	Max. I_{th}[6]	Main		
Type	U_e 220 – 240 V [kW]	U_e 380 – 690 V [kW]	I_e [A]	(AC-1) Open [A]	(AC-1) Encl. [A]	(AC-1) Open [A]	contacts (make) Number	Add-on options Number	Code no.[1]
CI 6[2]	1.5	2.2	6	20	16	–	3	1 – 4	**037H0015**
	1.5	2.2	6	20	16	–	4	1 – 4	**037H0018**
CI 9	2.2	4.0	9	25	16	–	3	1 – 4	**037H0021**
	2.2	4.0	9	25	16	–	4	1 – 4	**037H0022**
CI 12	3.0	5.5	12	25	20	–	3	1 – 4	**037H0031**
	3.0	5.5	12	25	20	–	4	1 – 4	**037H0032**
CI 15	4.0	7.5[3]	16	25	20	30	3	1 – 4	**037H0049**
	4.0	7.5[3]	16	25	20	30	4	1 – 4	**037H0050**
CI 16	4.0	7.5	16	40	25	45	3	1 – 4	**037H0041**
CI 20	5.5	10.0	20	40	25	45	3	1 – 4	**037H0045**
CI 25	5.5	11.0	25	40	25	45	3	1 – 4	**037H0051**
CI 30	8.5	15.0	32	40	30	50	3	1 – 4	**037H0055**
CI 32	8.5	15.0[3]	32	63	63	–	3	1 – 4	**037H0061**
CI 37	10.0	18.5[3]	37	80	63	–	3	1 – 4	**037H0056**
CI 45	11.0	22.0[3]	45	80	80	90	3	1 – 4	**037H0071**
CI 50	15.0	25.0[3]	52	80	80	90	3	1 – 4	**037H0080**

1) Suffix defining coil voltage/frequency must be added to the Danfoss code no. (see table on page 4).
2) AC-15 operation: max. 500 VA/6A
3) U_e max.: 500 V
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.