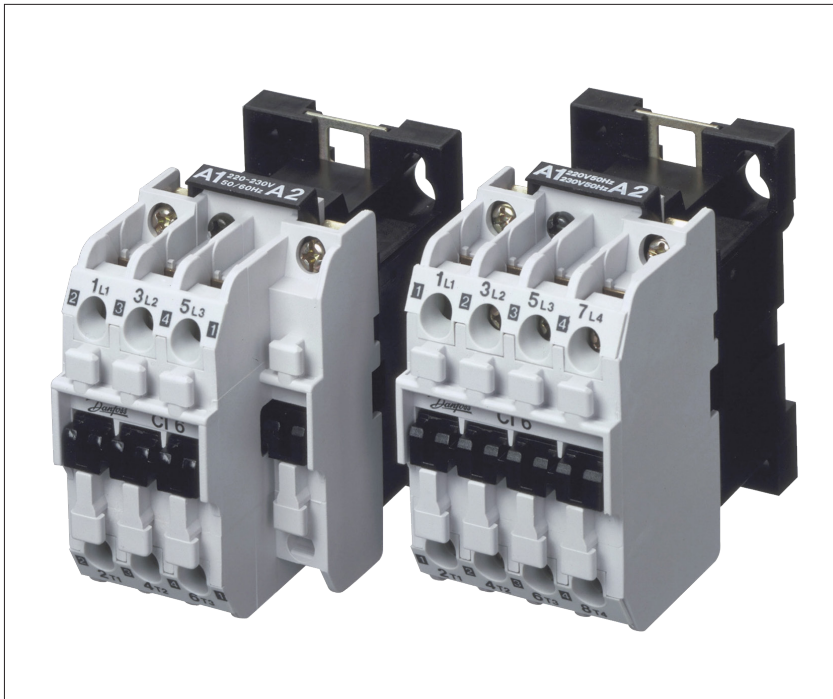


Data sheet

CI-TI™ Contactors and Motor Starters

Type CI 6 - 50



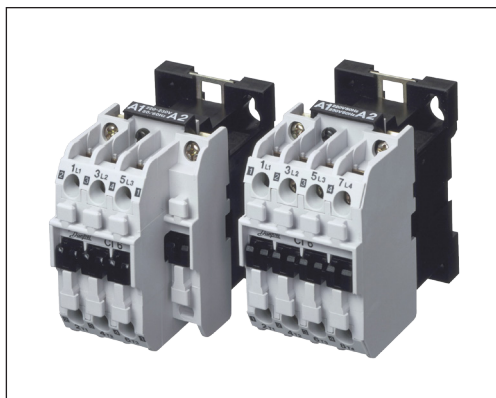
CI-TI™ contactors and motor starters provide trouble-free switching and maximum protection for costly motors and other electrical equipment.

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.

Type	Main circuit							Auxiliary contacts	Code no. ¹⁾
	AC-3 load			I _{th} ⁴⁾	I _{the} ⁵⁾	Max. I _{th} ⁶⁾	Main contacts	Add-on options	
	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]	(make) Number		
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.