

4 Repair activities, controller IRC5

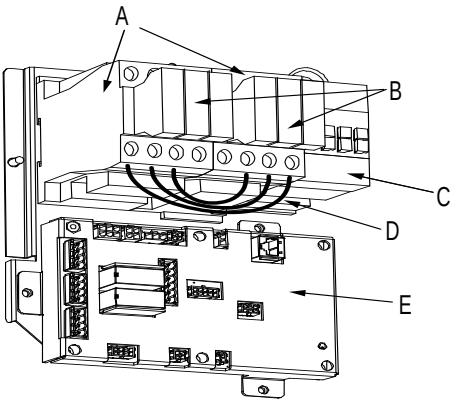
4.23. Replacement of Contactor Interface Board

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Location

The contactor interface board is located on the left wall in the Single Cabinet Controller.

In the Dual Cabinet Controller the contactor interface board is located on the left wall in the Drive Module.



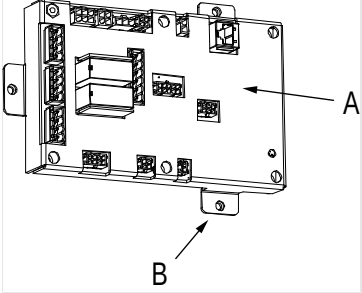
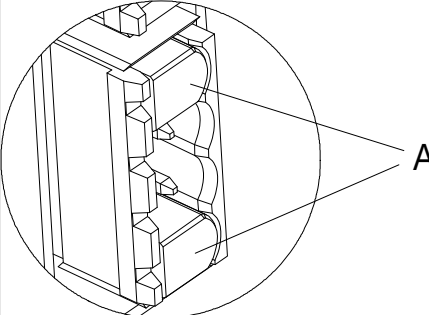
A	MOTOR ON contactor K42
B	MOTOR ON contactor K43
C	Brake contactor
D	Jumpers (3pcs)
E	Contactor interface board

Required equipment

Equipment	Note
Contactor Interface board	DSQC 611 See Controller system parts (Drive System 04) on page 301 .
Standard toolkit	The contents are defined in section Standard toolkit!
Other tools and procedures may be required. See references to these procedures in the step-by-step instructions below.	These procedures include references to the tools required.
Circuit Board	See Circuit Diagram on page 319 .

Removal

The procedure below details how to remove the contactor board.

	Action	Note/Illustration
1.	 DANGER! Before commencing any work inside the cabinet, please observe the safety information in section <i>DANGER - Make sure that the main power has been switched off!</i> on page 30.	
2.	 WARNING! The unit is sensitive to ESD. Before handling the unit please read the safety information in the section <i>WARNING - The unit is sensitive to ESD!</i> on page 31	
3.	Disconnect all connectors.	NOTE! Make a note of any connections.
4.	Refit the attachment screws.	 xx0400001062 - A: contactor interface board - B: attachment screws
5.	Remove the contactor interface board.	
6.	If SafeMove option is used, the plugs in the limit switch override contact (X23) pin 1 and 4, must be moved to the new contactor interface board. Use a small flat pliers to remove the plugs.	 xx0800000035 A: plug (2 pcs)

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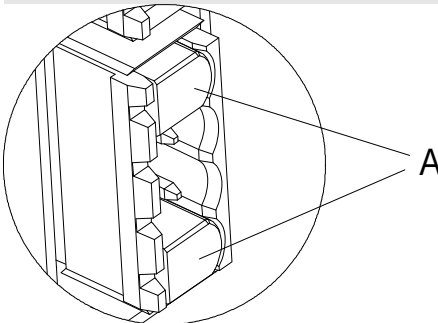
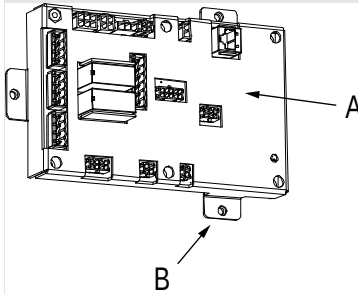
4 Repair activities, controller IRC5

4.23. Replacement of Contactor Interface Board

Continued

Refitting

The procedure below details how to refit the contactor board.

Action	Note/Illustration
1.  DANGER! Before commencing any work inside the cabinet, please observe the safety information in section <i>DANGER - Make sure that the main power has been switched off! on page 30.</i>	
2.  esd WARNING! The unit is sensitive to ESD. Before handling the unit please read the safety information in the section <i>WARNING - The unit is sensitive to ESD! on page 31</i>	
3. If SafeMove is used, mount the plugs in the limit switch override contact (X23) pin 1 and 4.	The limit switch override contact must be plugged and not used when using SafeMove.  xx0800000035 • A: plug (2 pcs)
4. Refit the contactor interface board.	
5. Refit the attachment screws.	 xx0400001062 • A: contactor interface board • B: attachment screws
6. Reconnect all connectors.	

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7 Spare Parts

7.1.1. Single Cabinet Controller

Continued

	Spare part no.	Description	Note
L	3HAC025338-003	Main Servo Drive Unit, D4 3E 1C	DSQC 617
L	3HAC025338-004	Main Servo Drive Unit, D6 3T 3G	DSQC 617
L	3HAC025338-006	Main Servo Drive Unit, D6 3W 3V	DSQC 617
L	3HAC14550-1	Single servo drive unit	DSQC 619
L	3HAC14550-3	Single servo drive unit	DSQC 619
L	3HAC14550-4	Single servo drive unit	DSQC 619
H	3HAC14549-1	Rectifier	DSQC 618
H	3HAC14549-2	Rectifier	DSQC 618
G	3HAC14551-1	Capacitor Unit, C2	DSQC 620
G	3HAC14551-3	Capacitor Unit, C4	DSQC 620
J	3HAC024488-001	Panel board unit	DSQC 643
K	3HAC12815-1	Axis computer	DSQC 601
E	3HAC12928-1	Control power supply	DSQC 604
N	3HAC026254-001	Power distribution board	DSQC 662
C	3HAC026289-001	Drive system power supply standard.	DSQC 626A
C	3HAC020466-001	Drive system power supply ext.	DSQC 627
P	3HAC026253-001	System power supply	DSQC 661
D	3HAC12934-1	Customer I/O Power supply	DSQC 608
M	3HAC14178-1	Customer I/O power supply	DSQC 609
F	3HAC026585-001	Backup energy bank with adapter plate	DSQC 655
F	3HAC025562-001	Backup energy bank	DSQC 655
	3HAC030439-001	Remote Service box	DSQC 680
	3HAC13389-2	Contactor interface board	DSQC 611