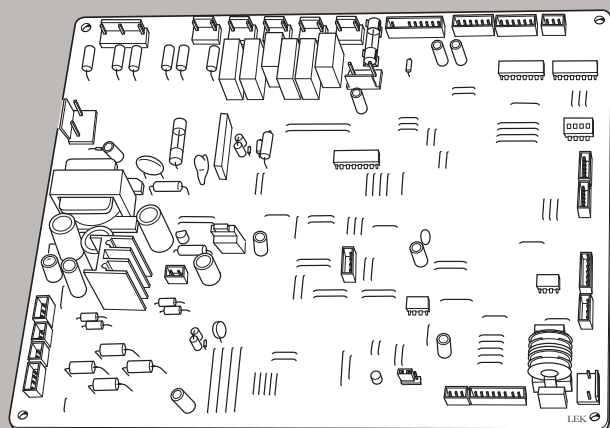


SIT 1850-2
431666

NIBE AMS 10 / F2040

- SE** SERVICEINSTRUKTION Byte av kort
- GB** SERVICE INSTRUCTIONS Replacement of cards
- DE** SERVICEANLEITUNG Kartenaustausch



 **NIBE**

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Svenska

Allmänt

Denna serviceinstruktion beskriver byte av kontrollkort (PWB1) i AMS 10 / F2040.

KORT- OCH KABEL-KIT

<i>AMS 10-8 / F2040-8</i>	
PWB 1 och kabel	718 783
<i>AMS 10-12 / F2040-12</i>	
PWB 1 och kabel	718 673
<i>AMS 10-16 / F2040-16</i>	
PWB 1 och kabel	718 705

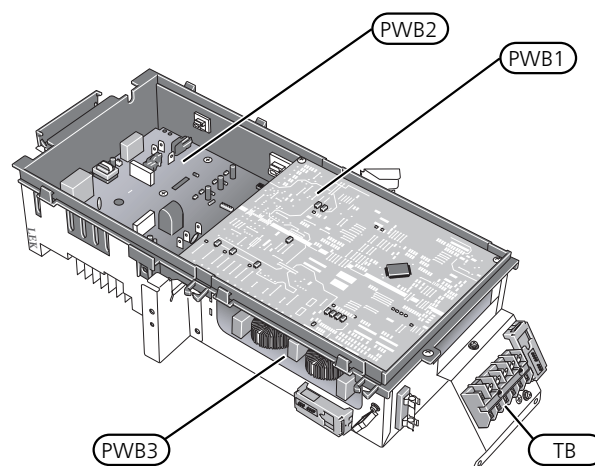
Komponentplacering

ELKOMPONENTER

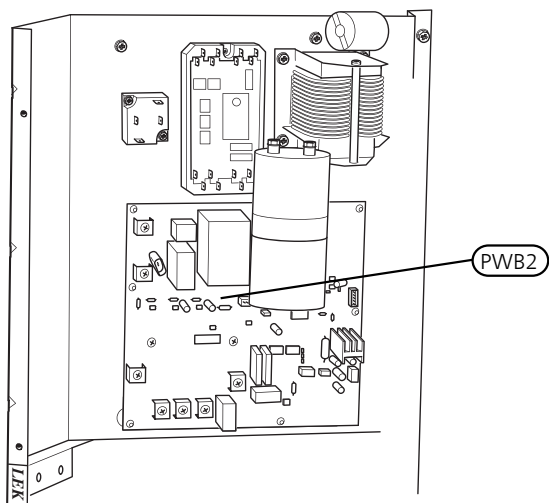
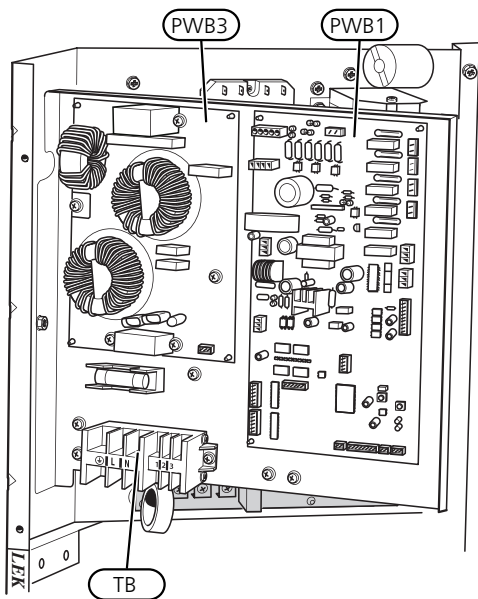
PWB1	Kontrollkort
PWB2	Inverterkort
PWB3	Filterkort
TB	Anslutningsplint, inkommande matning och kommunikation mot kort AA23

Beteckningar i komponentplacering enligt standard IEC 81346-1 och 81346-2. Beteckningar i parentes enligt leverantörens standard.

AMS 10-8 / F2040-8



AMS 10-12 / F2040-12 / AMS 10-16 / F2040-16



Elinkoppling



OBS!

All elektrisk inkoppling ska ske av behörig elektriker.

PWB1

Kontakterna CNA1 och CNA2 har ersatts och gammal kontakt passar därför inte på ett nytt kort och tvärt om. Därför måste kontrollkort PWB1 och kabel bytas vid byte av kontrollkort PWB1 på äldre maskiner. Byt ut kabeln genom att lossa ringkabelskorna från kondensatorn.

Vid byte av kontrollkort PWB1 på nya maskiner behöver den medlevererade kabeln inte användas.

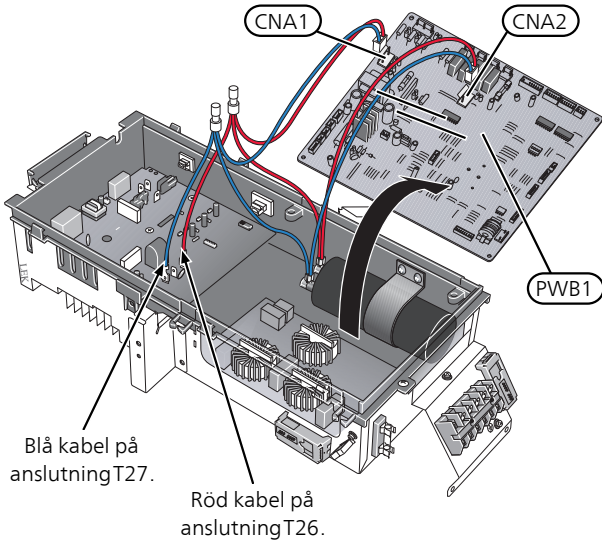
GÖR SÅ HÄR

1. Gör AMS 10 / F2040 / VVM / SMO spänningslösa.
2. Vänta minst en minut för att kondensatorer på grundkort ska laddas ur.
3. Anslut ESD-skyddsarmband.
4. Lossa samtliga kontakter och demontera kortet.
5. Lossa skruvarna A och B på kondensatorn och lyft bort de markerade röda och blå kablarna som går till kontrollkort PWB1.
6. Montera dit de nya röda och blå kablarna som medföljde kretskortet.
7. Montera det nya kretskortet och anslut samtliga kontakter på kortet. Observera att vissa kontakter har ny placering på kortet.
8. Ställ in DIP-switcharna på det nya kretskortet, likadant som på det gamla kortet.
9. Spänningssätt först AMS 10 / F2040 och sedan VVM / SMO.

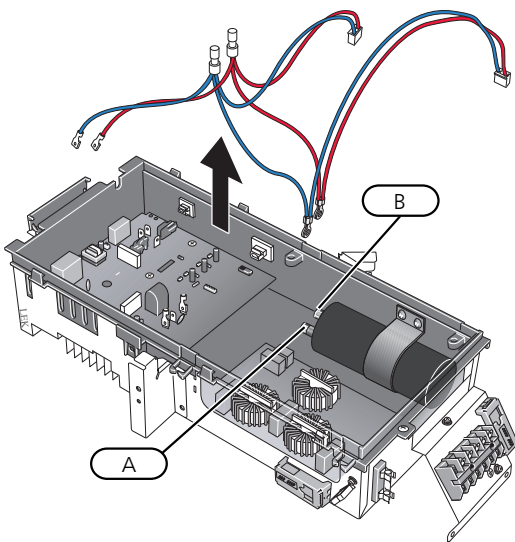
AMS 10-8 / F2040-8

Polaritet på kondensatorn är viktig, röd och blå kabel får inte växla plats i samband med byte. Blå kabel ska monteras på minuspol, markerad med minustecken på kondensatorn (kan vara svårt att se) och vitt streck utanpå kondensatorn.

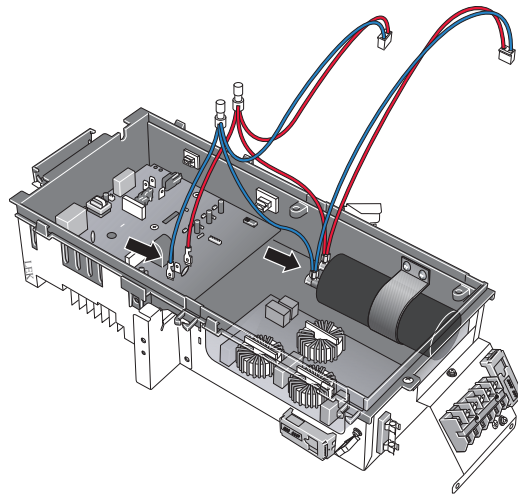
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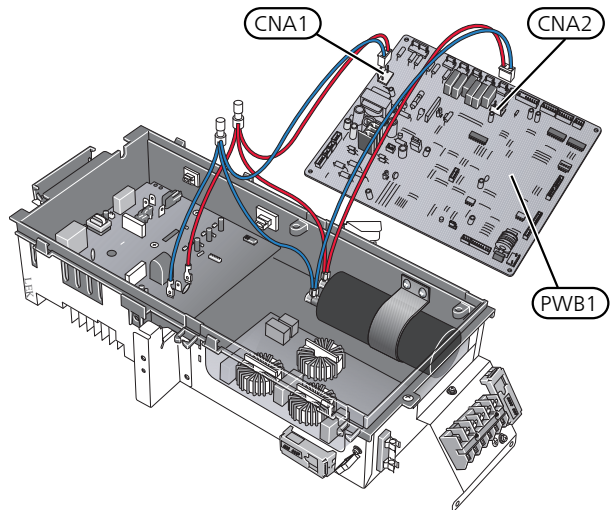
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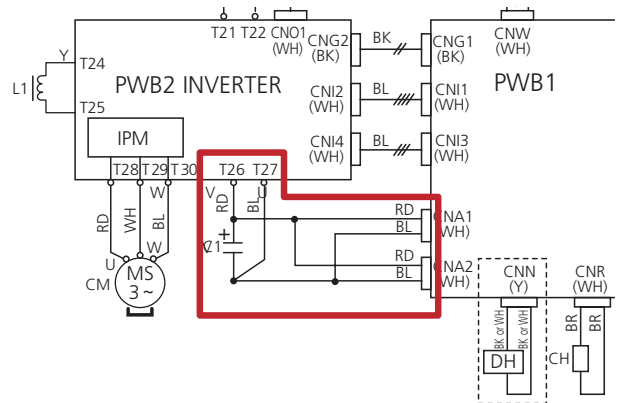
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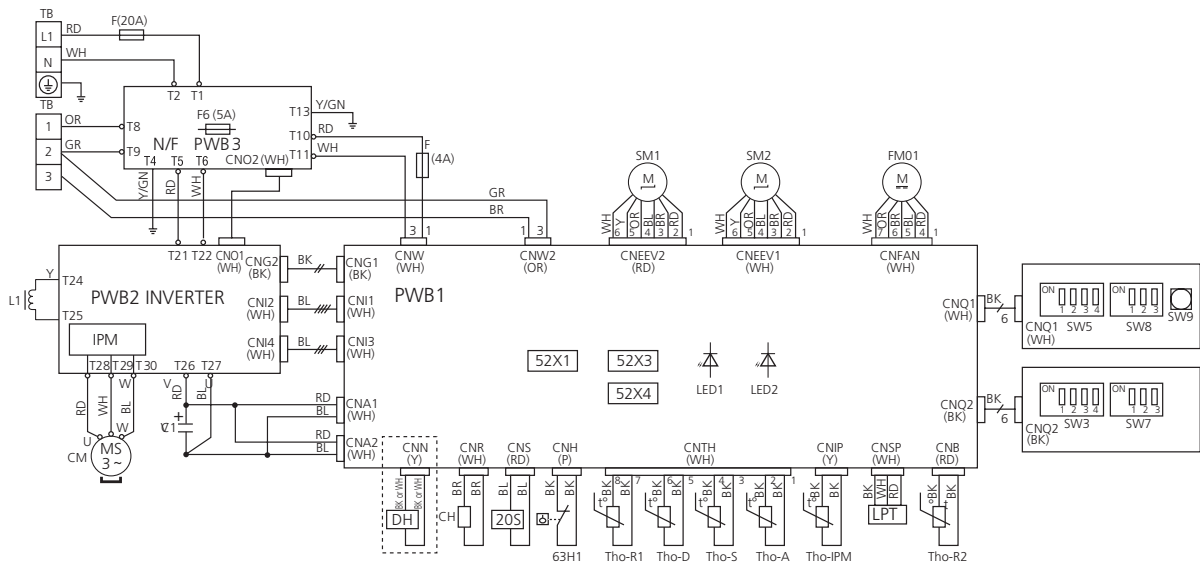
MARKERAT KABLAGE SKA ERSÄTTAS Elschema AMS 10-8 / F2040-8



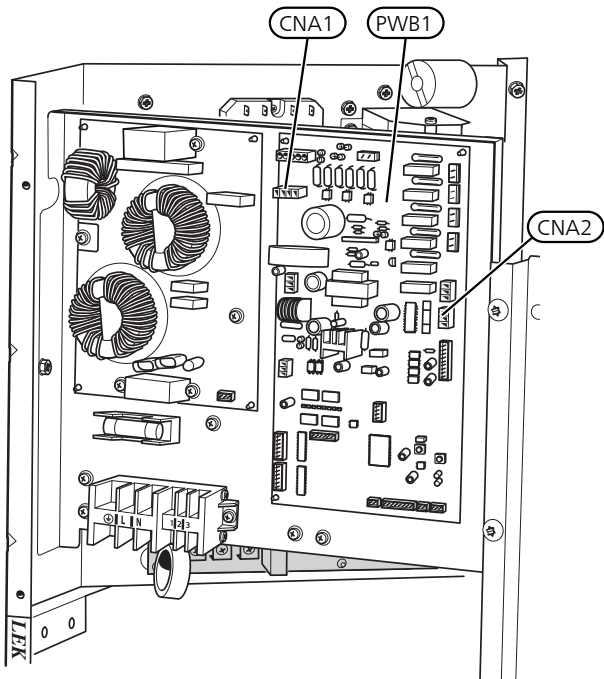
ELSCHEMA

AMS 10-8 / F2040-8

230V ~50Hz

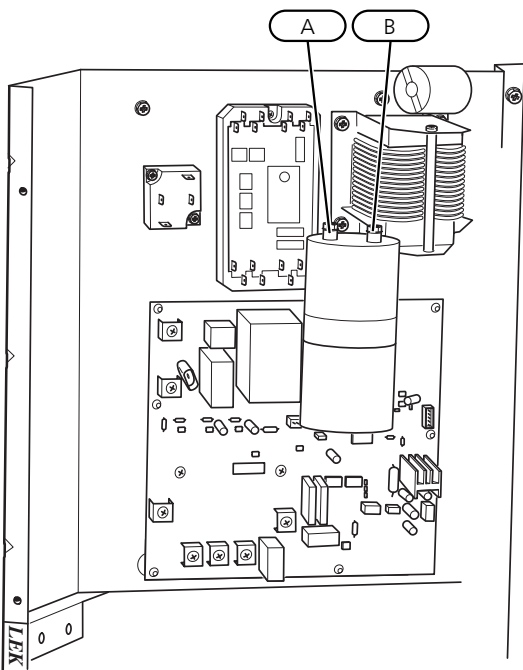
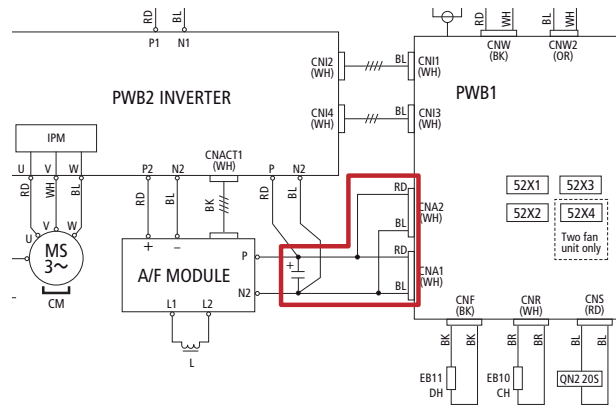


AMS 10-12 / F2040-12 OCH
AMS 10-16 / F2040-16



MARKERAT KABLAGE SKA ERSÄTTAS

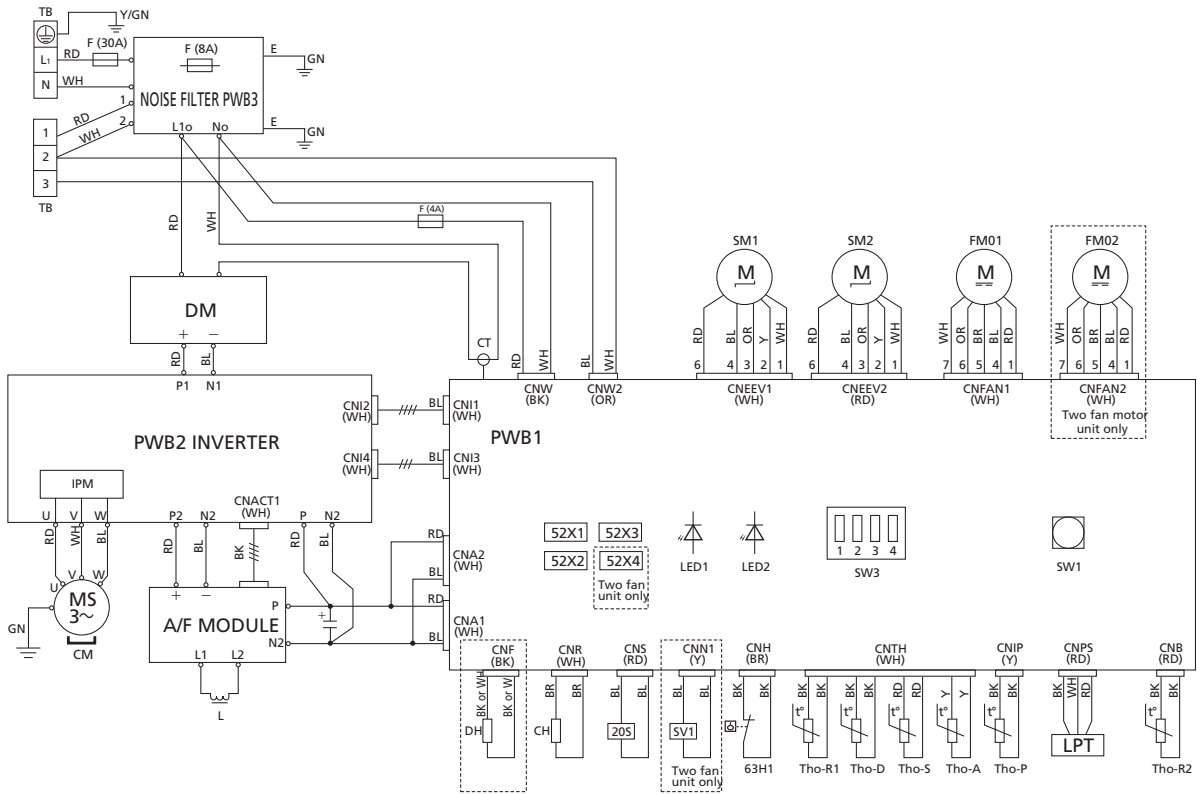
Elschema AMS 10-12 / F2040-12 och
AMS 10-16 / F2040-16



ELSCHEMA

AMS 10-12 / F2040-12 och AMS 10-16 / F2040-16

230V ~50Hz



English

General

These service instructions describe how to replace the control board (PWB1) in AMS 10 / F2040.

BOARD AND CABLE KIT

<i>AMS 10-8 / F2040-8</i>	
PWB 1 and cable	718 783
<i>AMS 10-12 / F2040-12</i>	
PWB 1 and cable	718 673
<i>AMS 10-16 / F2040-16</i>	
PWB 1 and cable	718 705

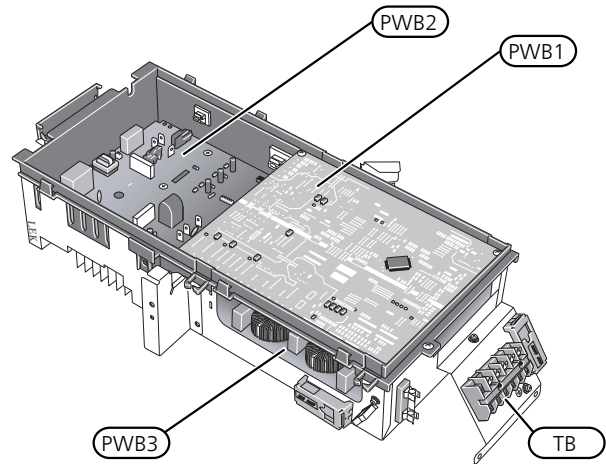
Component positions

ELECTRICAL COMPONENTS

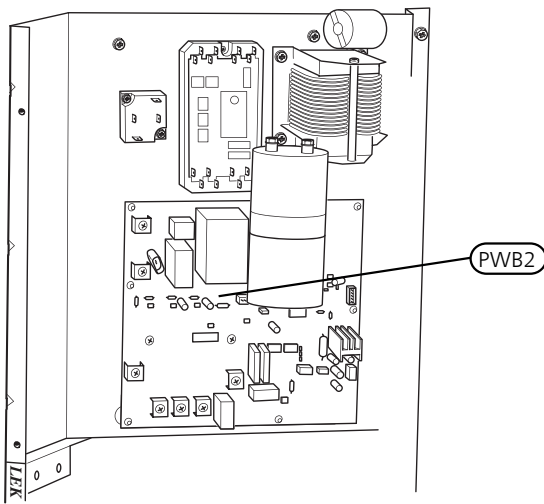
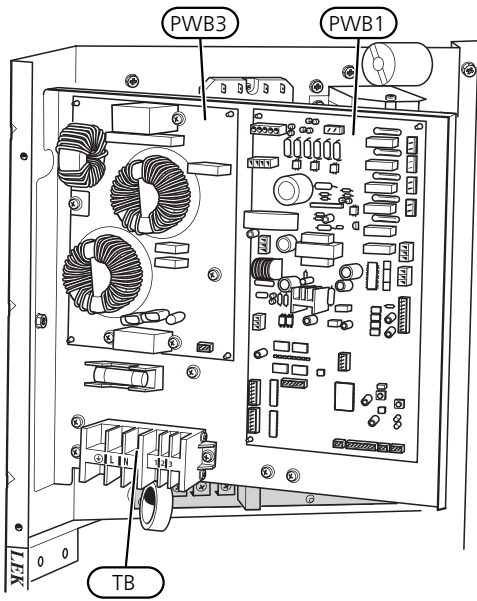
PWB1	Control board
PWB2	Inverter board
PWB3	Filter board
TB	Terminal block, incoming supply and communication with board AA23

Designations in component locations according to standard IEC 81346-1 and 81346-2. Designations within brackets according to the supplier's standard.

AMS 10-8 / F2040-8



AMS 10-12 / F2040-12 / AMS 10-16 / F2040-16



Electrical connection



NOTE

All electrical connections must be carried out by an authorised electrician.

PWB1

The connectors CNA1 and CNA2 have been replaced; for this reason, old connectors will not fit on a new board and vice versa. As a result, the control board PWB1 and cable must be replaced when replacing the control board PWB1 on older machines. Replace the cable by disconnecting the ring terminals from the capacitor.

When replacing control boards PWB1 on new machines, the enclosed cable does not need to be used.

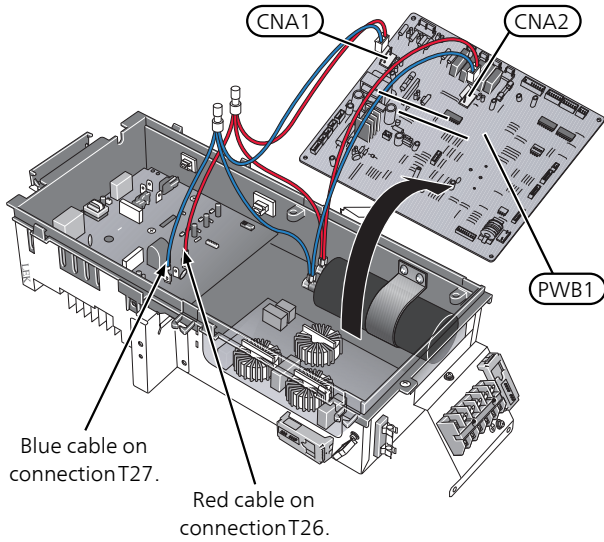
DO AS FOLLOWS:

1. Disconnect the power to AMS 10 / F2040 / VVM / SMO.
2. Wait for at least one minute for the capacitors on the base board to discharge.
3. Connect an ESD bracelet.
4. Release all the connectors and remove the board.
5. Undo the screws A and B on the capacitor and lift off the marked red and blue cables running to the control board PWB1.
6. Install the new red and blue cables that were supplied with the circuit board.
7. Install the new circuit board and connect all the connectors on the board. Note that some of the connectors have a new location on the board.
8. Set the DIP switches on the new circuit board to the same position as on the old board.
9. Supply first AMS 10 / F2040 and then VVM / SMO with power.

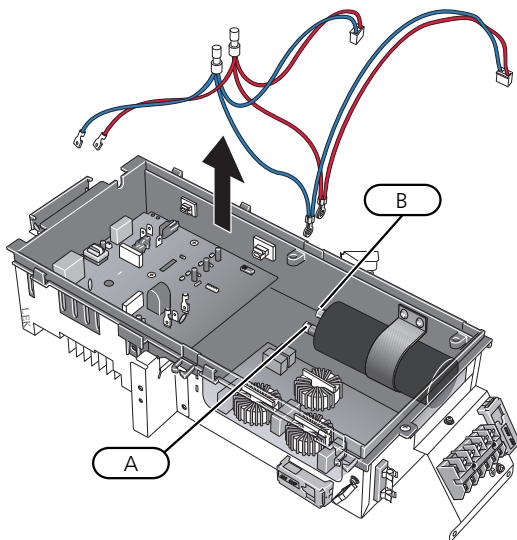
AMS 10-8 / F2040-8

The polarity of the capacitor is important – red and blue cables must not switch places when being replaced. The blue cable must be installed on the negative terminal, marked with a minus sign on the capacitor (can be difficult to see) and a white dash on the outside of the capacitor.

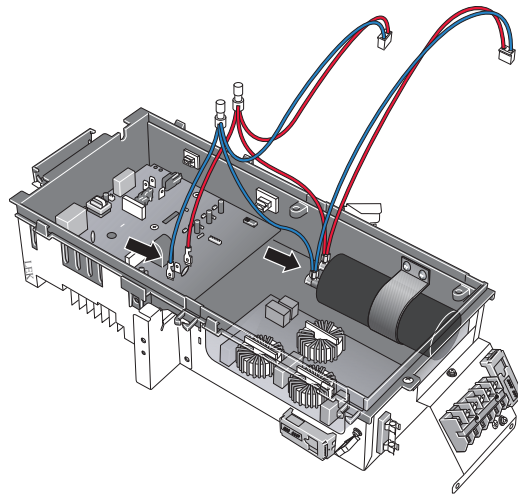
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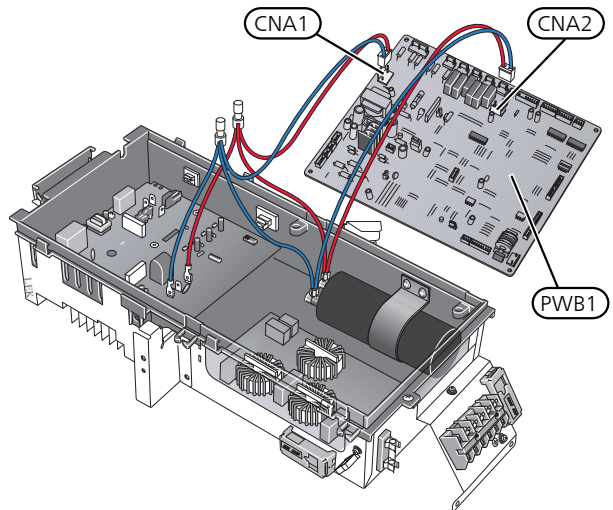
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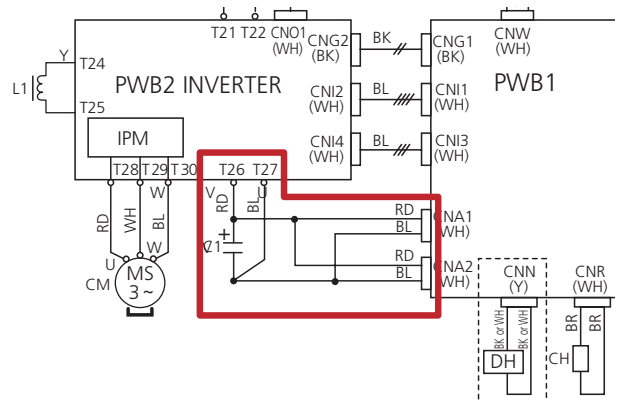


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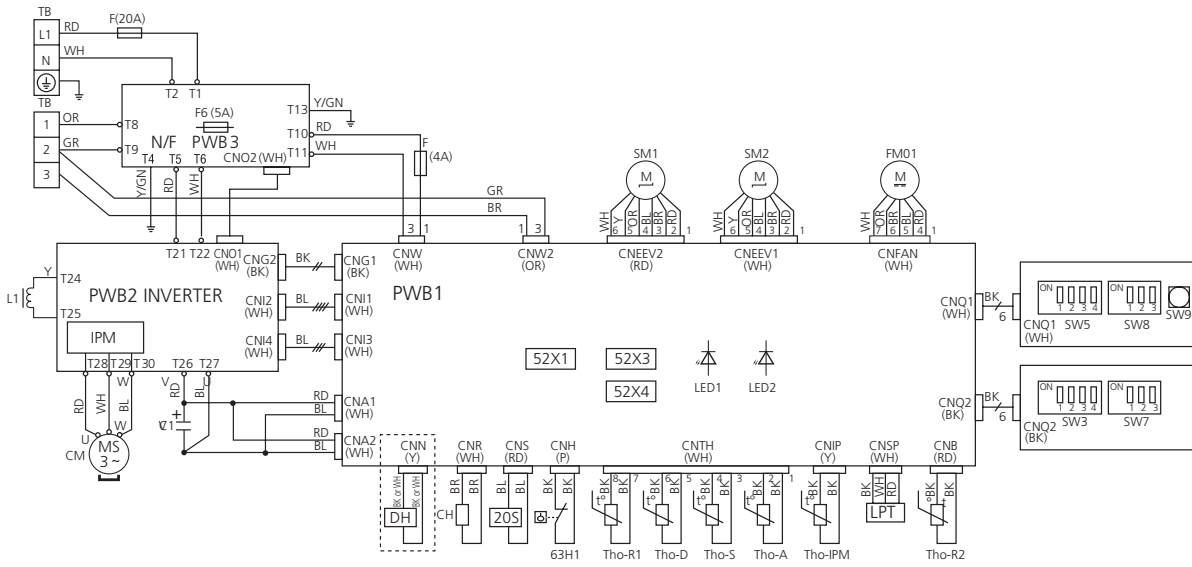
MARKED WIRING MUST BE REPLACED

Electrical wiring diagram AMS 10-8 / F2040-8

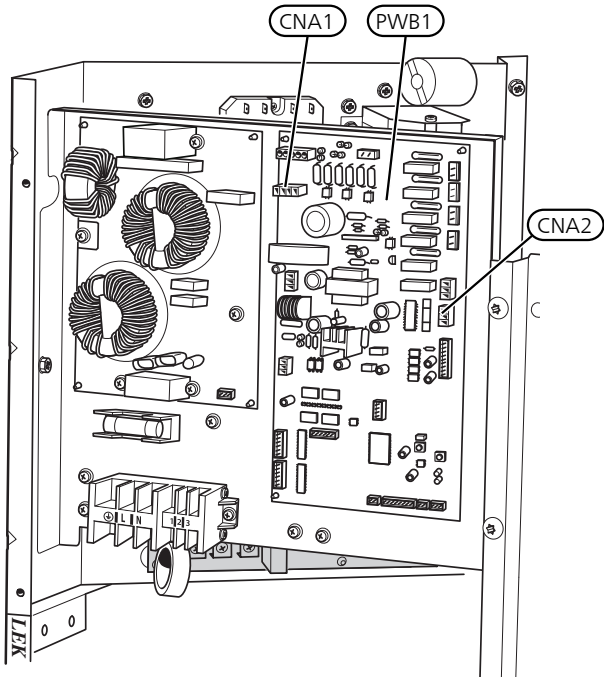


ELECTRICAL CIRCUIT DIAGRAM AMS 10-8 / F2040-8

230V ~ 50Hz

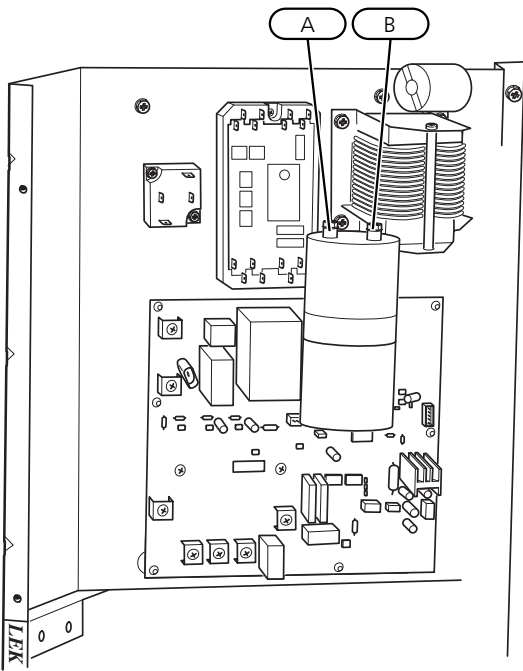
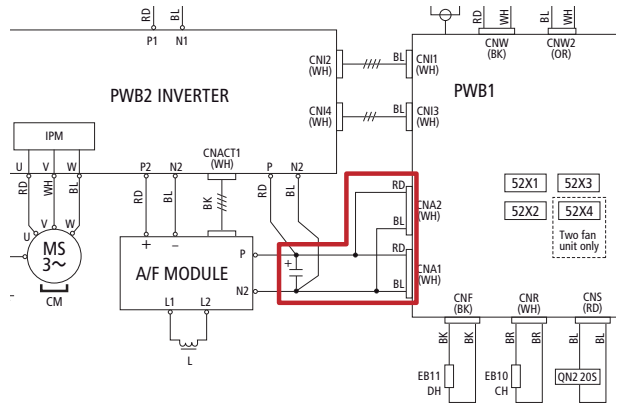


AMS 10-12 / F2040-12 AND
AMS 10-16 / F2040-16



MARKED WIRING MUST BE REPLACED

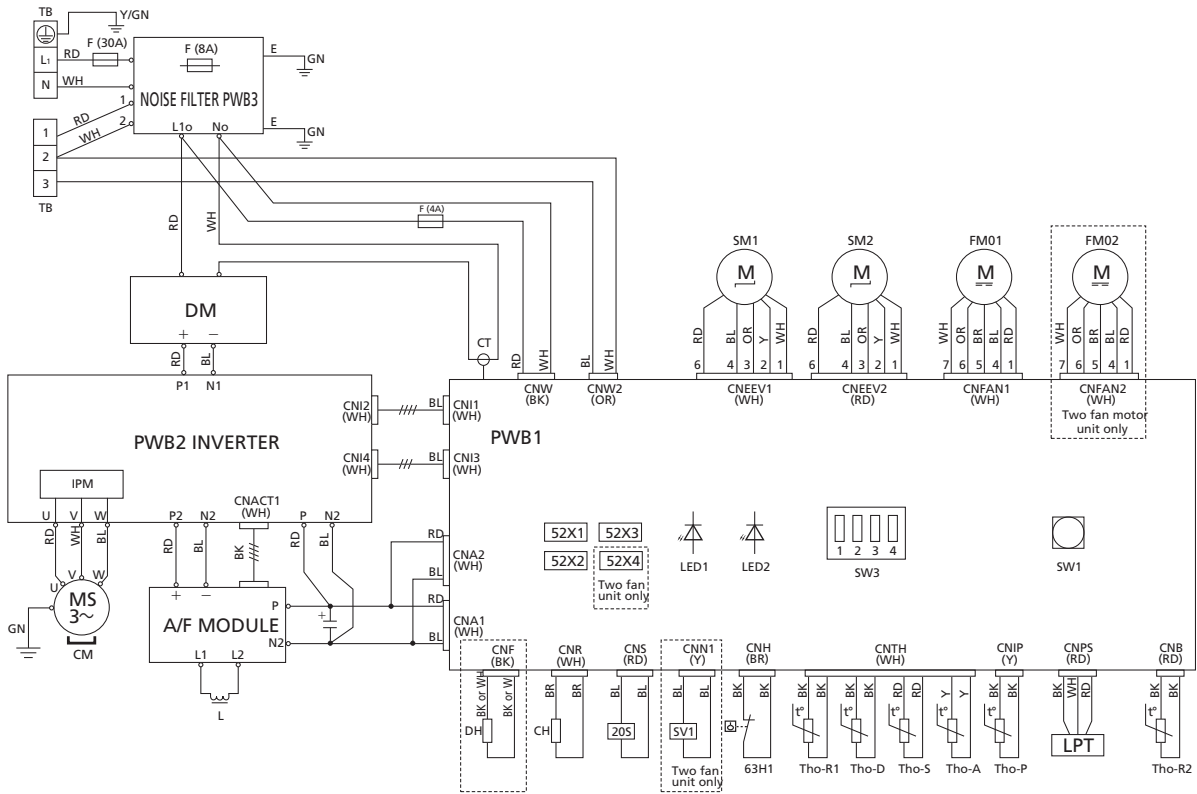
Electrical wiring diagram AMS 10-12 / F2040-12
and AMS 10-16 / F2040-16



ELECTRICAL CIRCUIT DIAGRAM

AMS 10-12 / F2040-12 and AMS 10-16 / F2040-16

230V ~ 50Hz



Deutsch

Allgemeines

In dieser Serviceanleitung wird der Wechsel der Steuerplatine (PWB1) in AMS 10 / F2040 beschrieben.

PLATINEN- UND KABELSATZ

<i>AMS 10-8 / F2040-8</i>	
PWB 1 und Kabel	718 783
<i>AMS 10-12 / F2040-12</i>	
PWB 1 und Kabel	718 673
<i>AMS 10-16 / F2040-16</i>	
PWB 1 und Kabel	718 705

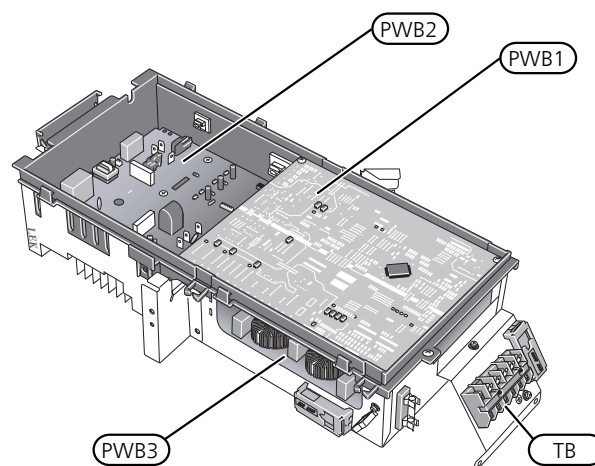
Position der Komponenten

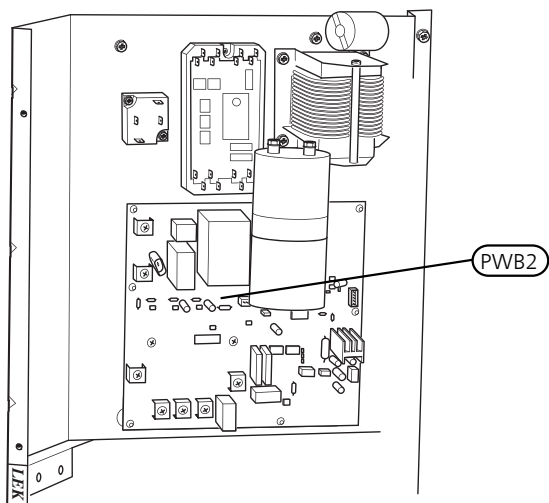
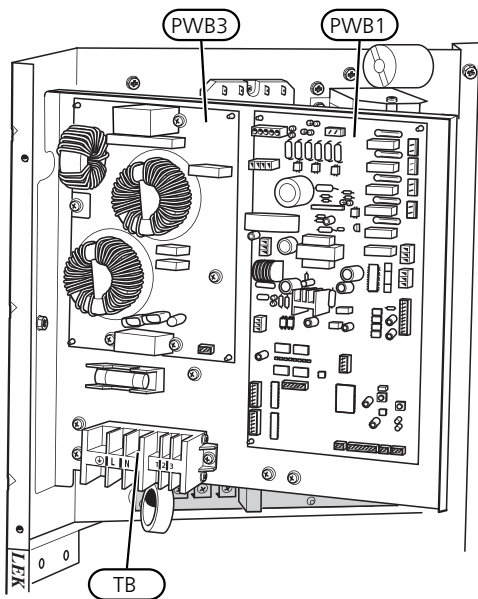
ELEKTRISCHE KOMPONENTEN

PWB1	Steuerplatine
PWB2	Inverterkarte
PWB3	Filterkarte
TB	Anschlussklemme, Stromversorgung und Kommunikation mit Platine AA23

Bezeichnungen der Komponentenpositionen gemäß Standard IEC 81346-1 und 81346-2. Angaben in Klammern gemäß Standard des Lieferanten.

AMS 10-8 / F2040-8





Elektrischer Anschluss



HINWEIS!

Alle elektrischen Anschlüsse müssen von einem befugten Elektriker ausgeführt werden.

PWB1

Die Anschlüsse CNA1 und CNA2 wurden ersetzt. Alte Anschlüsse passen daher nicht zu einer neuen Platine und umgekehrt. Aus diesem Grund muss die Steuerplatine PWB1 mitsamt Kabel bei einem Wechsel der Steuerplatine PWB1 an älteren Geräten ersetzt werden. Ersetzen Sie das Kabel durch Lösen der Ringkabelschuhe vom Kondensator.

Bei einem Wechsel der Steuerplatine PWB1 an neuen Geräten muss das beiliegende Kabel nicht verwendet werden.

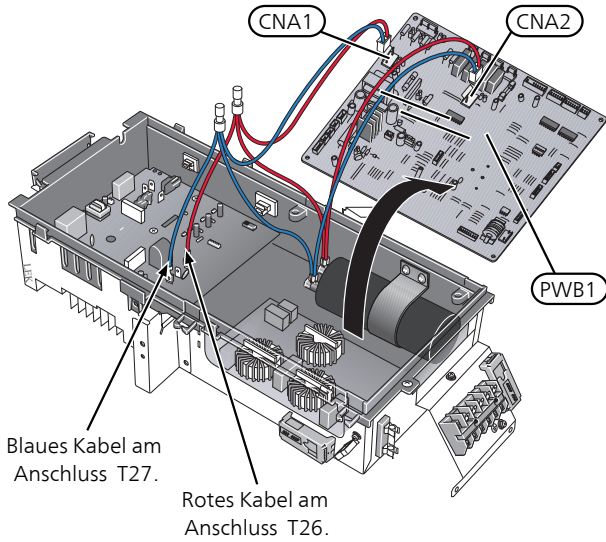
VORGEHENSWEISE

1. Unterbrechen Sie die Spannungsversorgung für AMS 10 / F2040 / VVM / SMO.
2. Warten Sie mindestens eine Minute, damit sich die Kondensatoren auf der Basisplatine entladen.
3. Schließen Sie ein ESD-Schutzarmband an.
4. Lösen Sie alle Anschlüsse und demontieren Sie die Platine.
5. Lösen Sie die Schrauben A und B am Kondensator. Heben Sie die markierten roten und blauen Kabel ab, die zur Steuerplatine PWB1 verlaufen.
6. Bringen Sie die neuen roten und blauen Kabel aus dem Lieferumfang der Platine an.
7. Montieren Sie die neue Platine und stellen Sie an der Platine alle Anschlüsse her. Beachten Sie, dass bestimmte Kontakte auf der Platine eine andere Position aufweisen.
8. Stellen Sie die DIP-Schalter an der neuen Platine genauso wie an der alten Platine ein.
9. Versorgen Sie zunächst AMS 10 / F2040 und dann VVM / SMO mit Spannung.

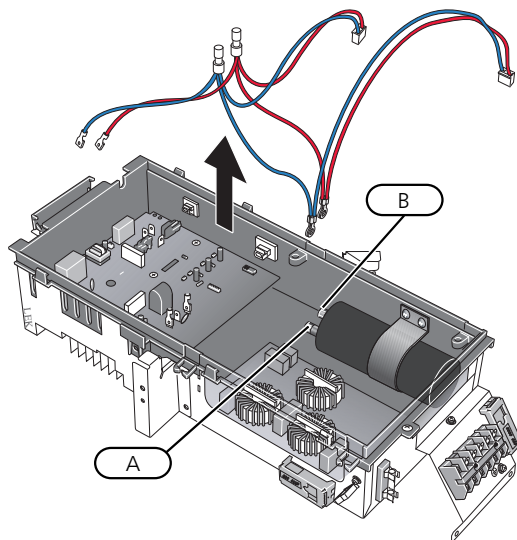
AMS 10-8 / F2040-8

Die Polarität des Kondensators ist wichtig. Rotes und blaues Kabel dürfen bei einem Austausch nicht verwechselt werden. Das blaue Kabel wird mit dem Minuspol verbunden. Als Kennzeichnung dient ein Minuszeichen am Kondensator (möglicherweise schwer zu sehen) und ein weißer Streifen außen am Kondensator.

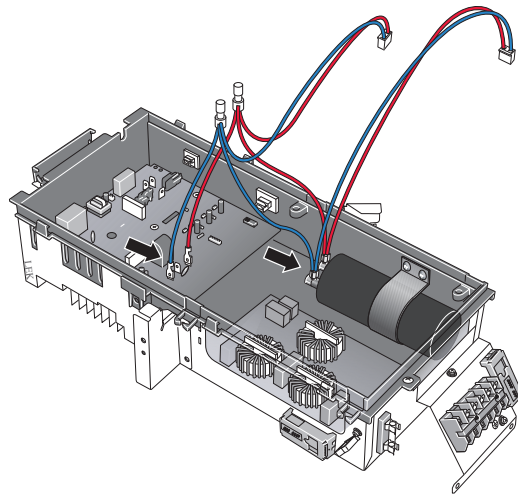
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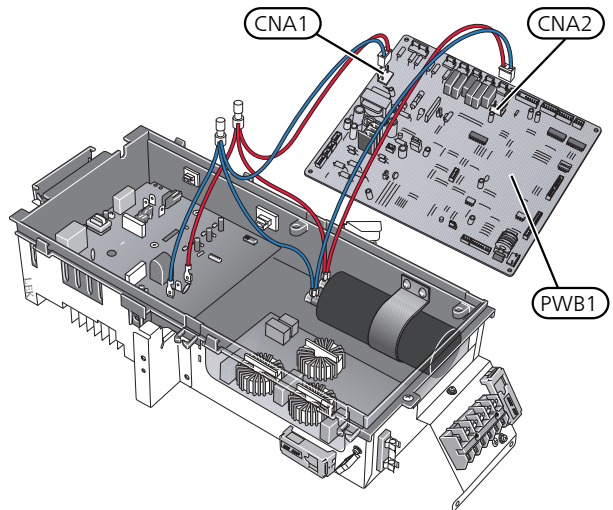
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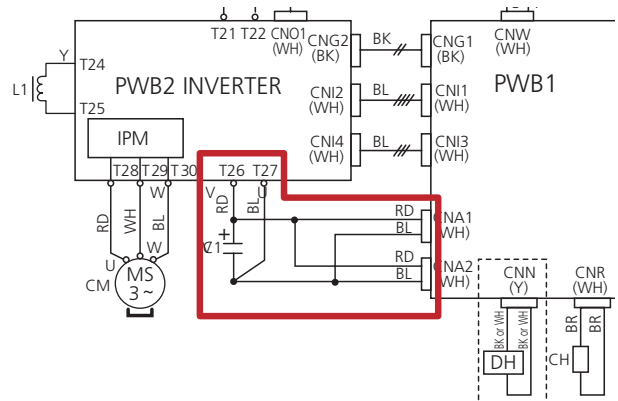


4



DIE GEKENNZEICHNETE VERKABELUNG MUSS ERSETZT WERDEN.

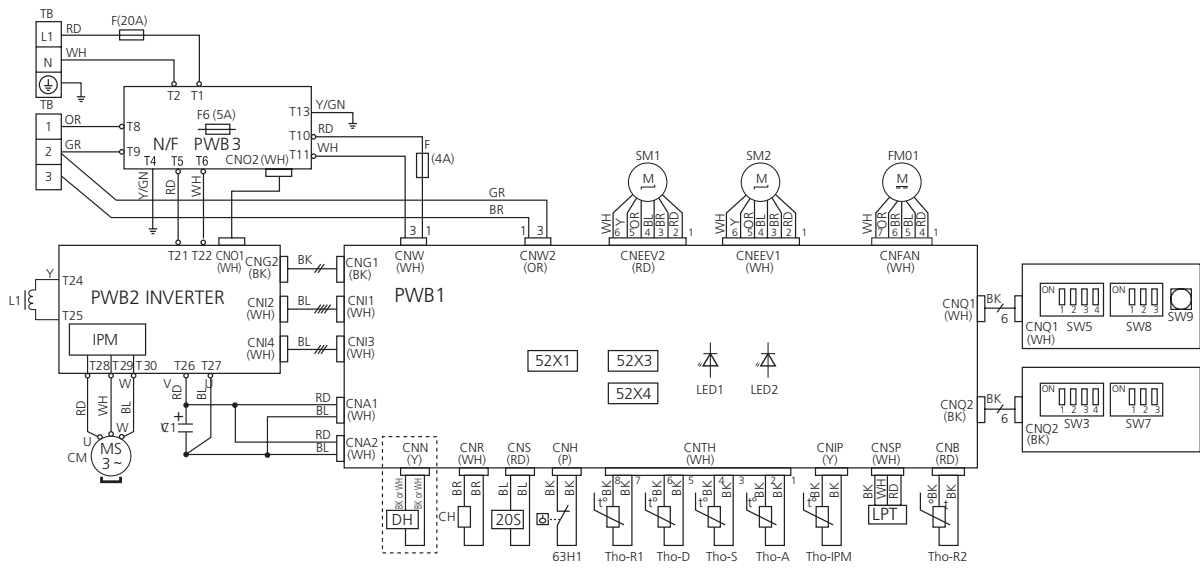
Schaltplan AMS 10-8 / F2040-8



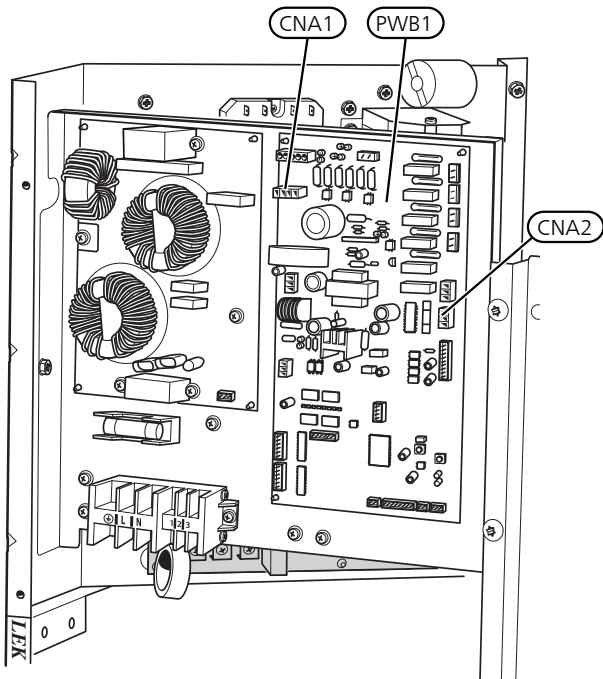
SCHALTPLAN

AMS 10-8 / F2040-8

230 V ~ 50 Hz

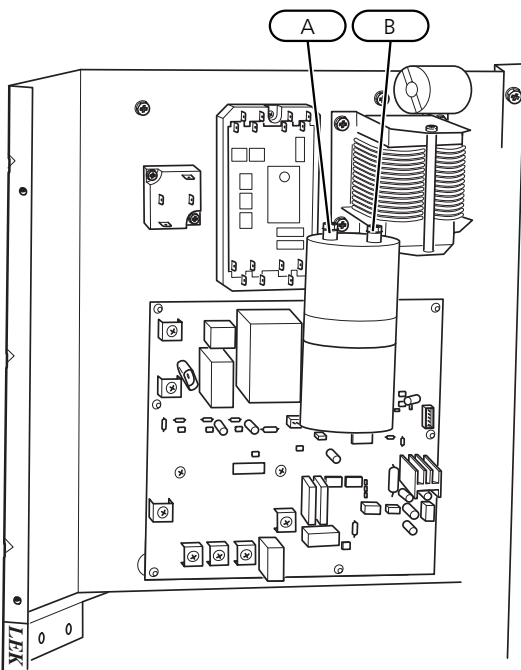
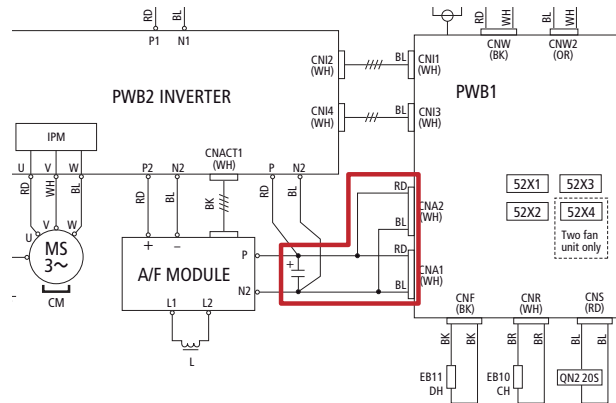


AMS 10-12 / F2040-12 UND
AMS 10-16 / F2040-16



DIE GEKENNZEICHNETE VERKABELUNG
MUSS ERSETZT WERDEN.

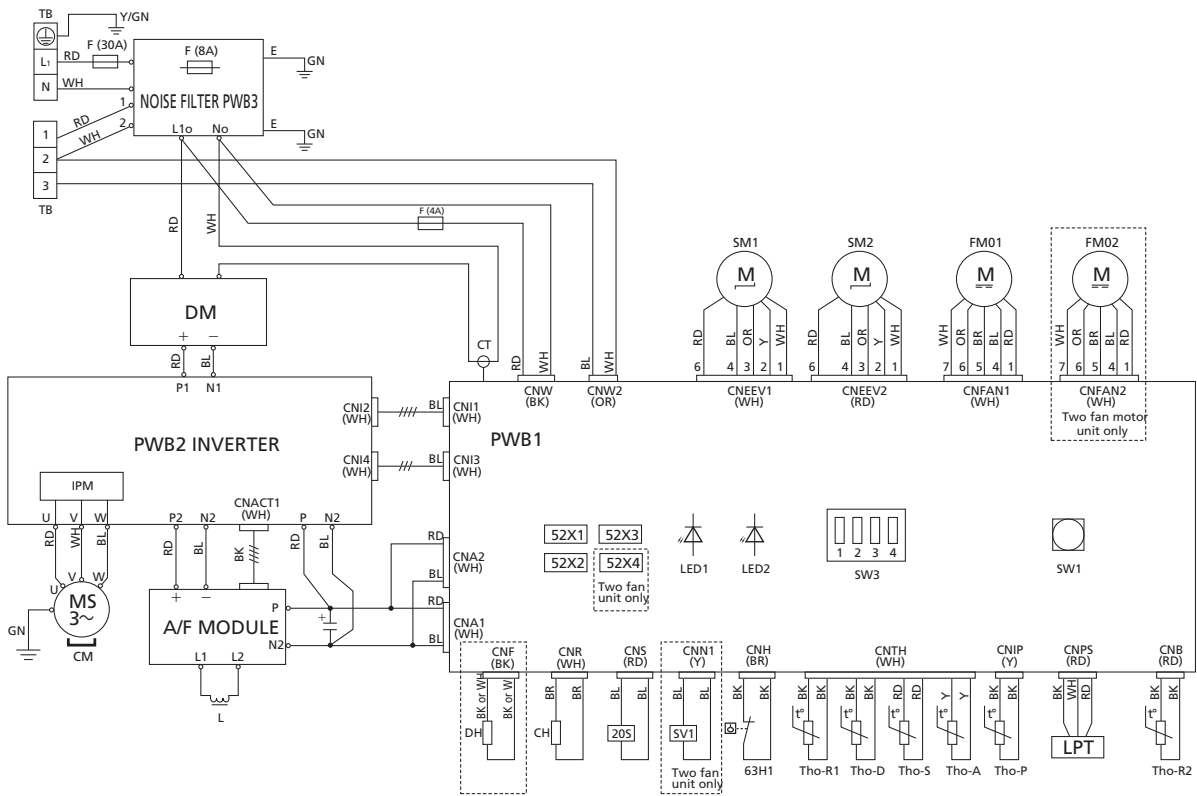
Schaltplan AMS 10-12 / F2040-12 und
AMS 10-16 / F2040-16



SCHALTPLAN

AMS 10-12 / F2040-12 und AMS 10-16 / F2040-16

230 V ~ 50 Hz



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