



eMobility Services

Technical Procedure Manual

Single-phase supply connection for eVolve T



CIRCONTROL
Mobility & eMobility

eMobility Services

Technical Procedure Manual

Name:	Single-phase supply connection for eVolve T				
Number:	085	Version:	A	Category:	Hardware
Issued:	22 nd November 2021				

CONTENT

1. Subject.....	3
2. Models Affected	3
3. Safety & Security information	3
4. Hardware required	4
5. Procedure	4

eMobility Services

Technical Procedure Manual

1. Subject

Single-phase supply connection for eVolve T.


This modification must be applied when powering a three-phase eVolve T from a single-phase supply when the test button of the RCD is internally connected to the third terminal instead of the first one, to maintain the functionality of this test button.

2. Models Affected

Any **eVolve T** with an RCD in which the test button is linked to the third terminals.

3. Safety & Security information

- Read all the instructions before using and install this product.
- Do not use cables there are not in perfect conditions.
- Do not use this unit for anything other than electric vehicle charging modes are IEC 61851-1 MODE 3 and MODE 1.
- Do the modifications as described, for other modifications CIRCONTROL will reject all responsibility and the warranty will be void.
- Comply strictly with current safety regulations according to your country rules.
- Do not make repairs or manipulations with the unit energized.
- Only trained and qualified personnel should have access to low-voltage electrical parts inside the device.
- Check the installation annually by qualified technician.
- Remove from service any item that has a fault that could be dangerous for users (broken plugs, caps that do not close...).
- Use only CIRCONTROL supplied spare parts.

	<p>This symbol indicates a potentially hazardous situation which, if not avoided may result in a risk of fire, serious injury or death.</p>
	<p>Such work should only be performed by highly qualified personnel in the electric field, with a deep knowledge of the product, preferably instructed by CIRCONTROL.</p>
	<p>Failure to follow this instruction, will lead CIRCONTROL to reject all responsibility and will void the warranty.</p>

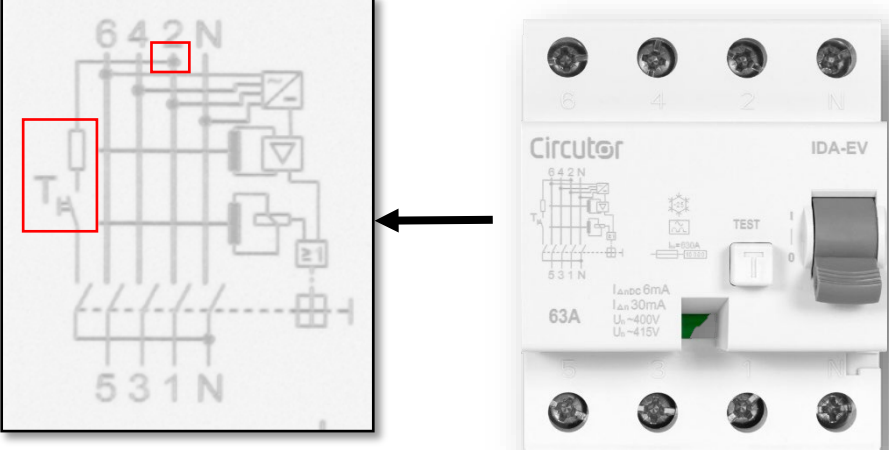
eMobility Services

Technical Procedure Manual

4. Hardware required

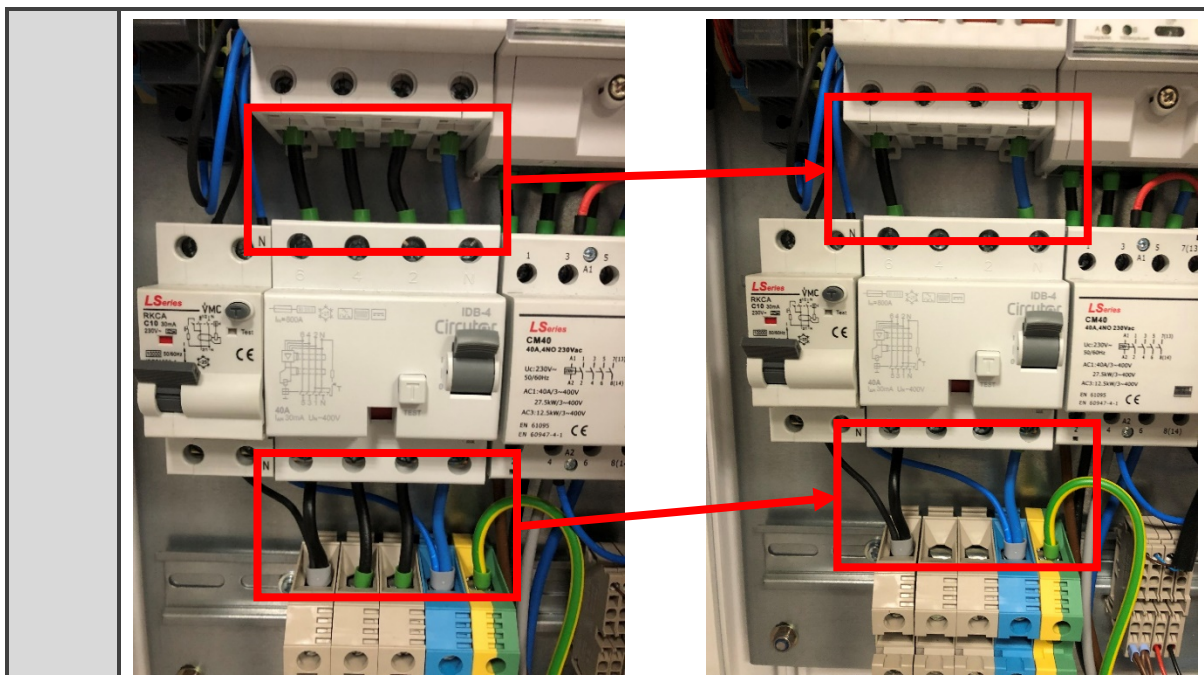
REF.	QTY.	PICK.	DESC.
-	1		Screwdriver

5. Procedure

STEP	ACTION
1	<p>Check the connection diagram of the RCD. If the test button is connected to the third terminals of the RCD, as shown in the following example, proceed with this manual.</p>  <p>If the test button is connected to the first terminals of the RCD, there's no need to apply any modification.</p>
2	<p>Untighten and remove the cables connected to the second and thirds terminal, from the upper and lower side of the RCD.</p>

eMobility Services

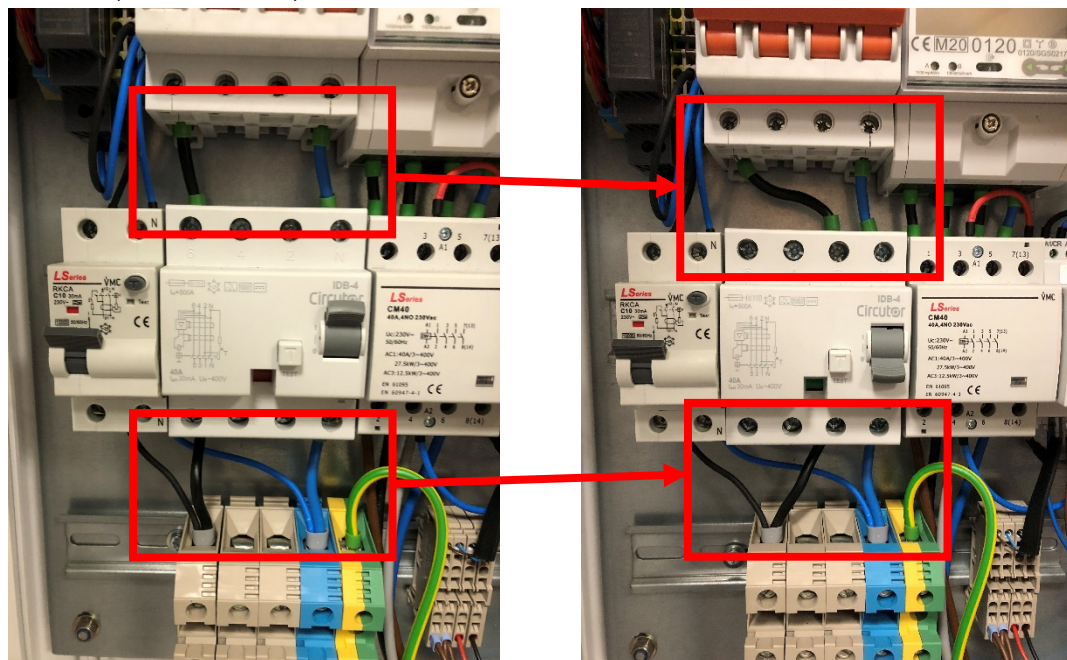
Technical Procedure Manual



Untighten the cables connected to the first terminals, from the upper and lower side of the RCD, and reconnect them on the third terminals of the RCD.

In case of having problems with the length of any of the cables, replace it by a larger one with the same characteristics as the original; same cross-section, same isolation, same colour, and same ferrule.

3



4

Energize the unit and press the test button of the RCD to check if it's working properly.