



# What should be done when MCB ARC trips?

This diagnosis must be performed by a qualified person.
All connections, disconnections and inspections must be performed with the entire circuit powered off.

# Step 1

## Analyze the context



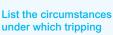
Tripping on short-circuit or overload Apply the usual electrical fault detection procedure.



Tripping on leakage current
Apply the usual leakage current detection procedure.



Only the arc detector trips (visible red square).



occurred.
- What happened prior

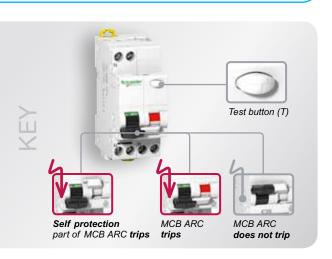
- to tripping?
   What loads were
- connected and operating?
- When and how many times did the arc detector trip?

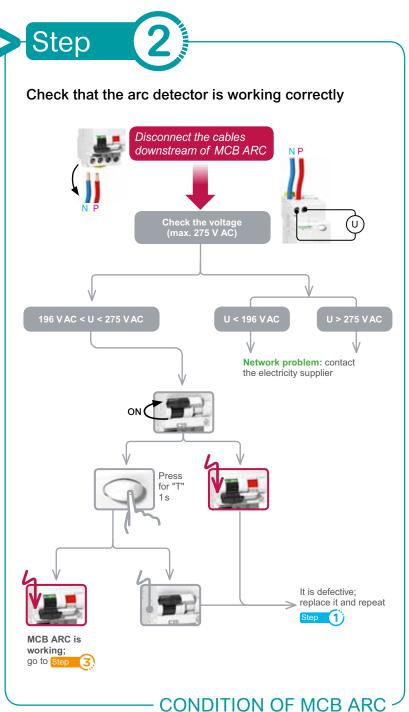


Look for signs of deterioration, overheating or sparking (on power cords, sockets, cables, etc.).



If no deterioration is evident, go to











Check current leakage risk

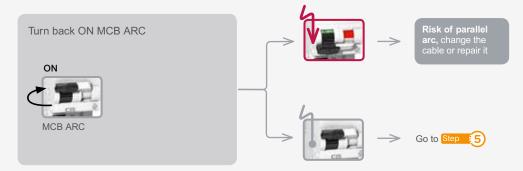
## Disconnect all loads that could be damaged during this test.





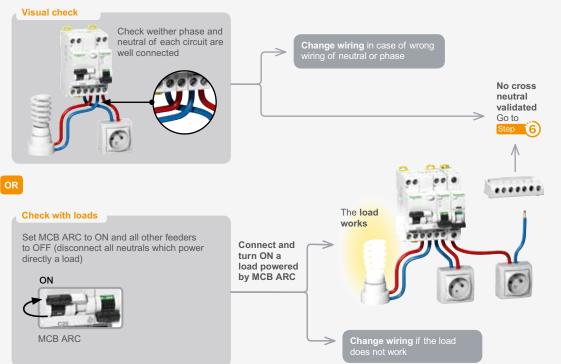
Test parallel arc risk

Turn off MCB ARC. Reconnect the cables downstream of MCB ARC. Disconnect all loads powered by this circuit.

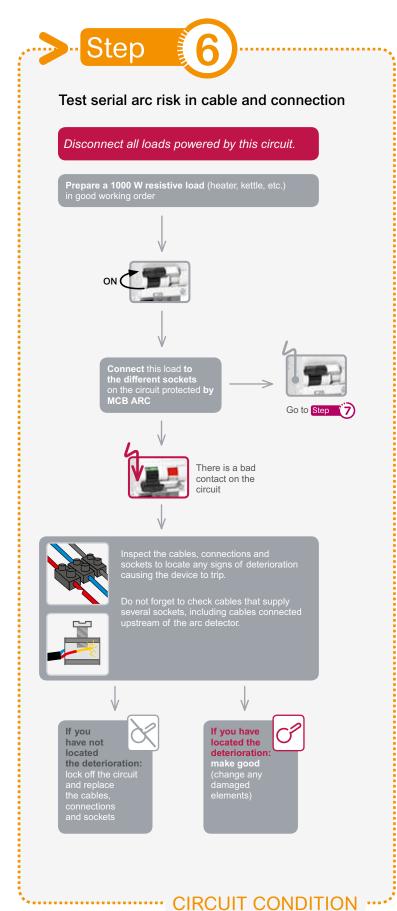




Check whether there is a crossed neutral with another feeder







# Step

## Examine the loads involved











Check that the loads identified at Step (1) are in good condition.



Connect and activate these different loads one by one, then all together, repeating the tripping circumstances described at step (1).



Check whether MCB ARC trips





Inspect the load(s) involved (connections, power cords, etc.) to locate any deterioration

If deterioration is detected: make good or change the damaged loads

MCB ARC initially tripped due to a transient cause as overvoltage: install a voltage level recorder

If an overvoltage is discovered (> 275 V): contact your electricity supplier

### If no overvoltage or deterioration has been discovered:

- Note the MCB ARC serial number (above the test button) or note the serial number that appears using the QRcode product.



- Contact Schneider Electric, giving all the information related to the previous steps and the serial number



- You will have to replace MCB ARC or allow specialists to carry out further tests on site.

- LOAD CONDITION

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Printed on ecological paper

Publication: Schneider Electric Industrie SAS

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