



# ST700 MCB WIRING ERROR

11th Nov

2008

**Product:** ST700**Modifications Req:** No**Retrospective Action Req :** Yes**Priority of Change:** Action at Next PI

- ✓ Introduction
- ✓ Scope
- ✓ Procedure
- ✓ Related documents

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Email: [harry.smyth@siemens.com](mailto:harry.smyth@siemens.com)[www.siemens.co.uk/traffic](http://www.siemens.co.uk/traffic)*Committed to quality traffic solutions and service excellence***Introduction**

In June 2005 a communication was sent to selected customers and Field Services, warning of a number of ST700 controllers which had a wiring error that meant that even when the 20A MCB was switched off the controller was still live.

**Scope**

This bulletin has been raised as a reminder notification of the serial numbers of the 45 affected controllers, to ensure the actions specified in the original email (and re affirmed in the procedure section of this bulletin) have been carried out, and to confirm, at the next PI, that the relevant controllers are no longer at risk.

**Procedure**

The attached list of controllers, which were shipped during June 2005, were identified as being at risk to the following MCB wiring problem.

The wiring of the Master Switch Assembly – 667/1/27850/000 was incorrect. The Live Wire (coloured pink) from the ST700 Rack Assembly SKT1.1 to the MCB.a was incorrectly wired to the Master Switch.L1. This is the procedure to check the at risk controllers.

- 1.Ensure that the mains supply to the controller is isolated
- 2.Remove the Master Switch Cover
- 3.If the pink wire from SKT1.1 of the ST700 Rack Assembly is wired to the Master Switch pin L1, remove this wire and connect it to the MB.a output (Upper connector if the MCB – see attached drawing of the Master Switch Panel Assembly, 667/GA/27850/000)
- 4.Check by using a meter, that the correct connection is now made
- 5.Refit the master switch cover
- 6.Test that the MCB now isolates the ST700 Rack Assembly when the power is applied to the controller

Once you have checked the controller, please send an email to Technical Services to inform them of the serial number and when it was checked.

**Related documents**

[ST700 Controller List](#)  
[667/GA/27850/000](#)

**Approved by:** Keith Manston

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