

1. SCOPE

This document details the application of SOP 401 (Applicable to 2 and 4-way LV link boxes manufactured by TE Connectivity) issued by the Energy Networks Association.

This document is for information only as there are no affected items on the SPEN network.

2. ISSUE RECORD

This is a Reference document. The current version is held on the EN Document Library.

It is your responsibility to ensure you work to the current version.

Issue Date	Issue No.	Author	Amendment Details
May 2017	1	Alan MacGregor	Initial issue

3. ISSUE AUTHORITY

Author	Owner	Issue Authority
Alan MacGregor Lead Engineer, Substations Group	Alastair Ferguson Substations Manager	Martin Hill Head of Engineering Design and Standards Date:

4. REVIEW

This is a Reference document which has a 5 year retention period after which a reminder will be issued to review and extend retention or archive.

5. DISTRIBUTION

This document is not part of a Manual maintained by Document Control and does not have a maintained distribution list.

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7. SOP DETAILS

EQUIPMENT TYPE	TE Connectivity 2 and 4-way LV link boxes
ORIGINATING COMPANY	Western Power Distribution
DATE	27 May 2016
NUMBER INSTALLED IN ENERGY NETWORKS NORTH	None affected
NUMBER INSTALLED IN ENERGY NETWORKS SOUTH	None affected
REASON	Resin bond failures at the interfaces between the phase barriers / link posts and the resin were identified on newly installed Link Disconnection Boxes. Inspection of unused stock showed similar defects. Tests confirmed that this defect was not limited to the resin surface but affects all internal components. In the presence of moisture, tracking could occur leading to failure.
STATUS IN INITIATING COMPANY	No live operation of link boxes in the affected population. Prior to operation link boxes shall be isolated from all points of supply and Caution Notices posted. All conductors within the link disconnecting box shall be proved dead before insertion or removal of links. The use of fault re-energising devices within these link boxes is also not permitted.
SPEN APPLICATION	Per the Originating DNO SOP application. NOTE: No units provided to SPEN are affected by this SOP.
ADDITIONAL INFORMATION	TE Connectivity has confirmed that no link boxes with the defect described were supplied to SPEN.
UPDATE	
REMEDIAL ACTION	The restriction can be removed once a manufacturer approved modification has been completed or the link box replaced.

8. SOP HEADER

Field Name	Field Value	Field Size
Name (SOP)	SOP401 TE Connectivity LV link boxes	61
The reason for the Operational Restriction *	Possible flashover in link box	30
Nature of the Operational Restriction *	No live operation	50
Comments *	No units in SPEN	200
Restricted Access to Substation Flag *	Y	1
Search Criteria *	No units in SPEN	N/A