

Standards Alert

Part of the Energy Queensland Group

Subject: StdsA444b Issues with Sicame LV ABC Parallel Electrical Connector EGX SC 17000, 21310,21311,21312 Ergon SC 409732.	Control Ref No: StdsA444b
	Date Issued: 31/10/19
	Supersedes: StdsA444a
For Policy/Procedure/Manual: N/A	Expiry Date: 31/10/20
Originating Dept: Asset Standards : Line Standards	
Target Audience: EQL / Northern /Southern / SouthEast	

1. Amendment Record

Version	Date	Author	Amendments
Initial	19/02/2019	Jegan Ramasubramanian	Initial Issue
a	21/03/2019	Jegan Ramasubramanian	Section 3.1, 3.2, 4.4 & 4.5 Added
b	31/10/2019	Jegan Ramasubramanian	General update to advise on removal of stickers/dots and supplies returning to normal for future deliveries.

2. Objective

To ensure all depot officers and field crews are aware of the previous issues associated with the LV ABC connectors in this alert, and the return to normal supply arrangements of the connectors. All identified defective connectors have now been repaired and the green and blue tags/dots will be removed from future orders.

3. Background

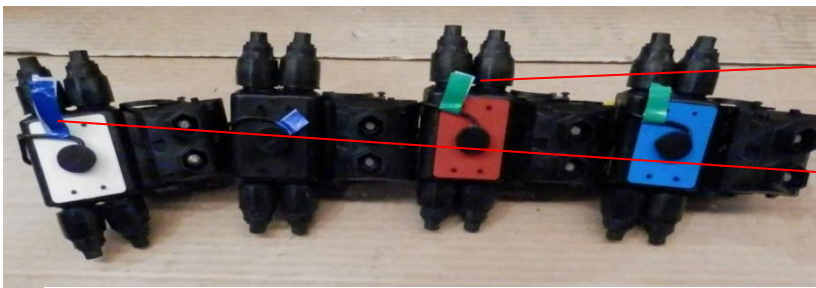
The LV ABC parallel electrical connectors, Energex SC 17000, 21310, 21311, and 21312 and Ergon SC 409732 that have been supplied by Sicame from September 2018 to early 2019 were found to be faulty with the teeth inside the connector misaligning after the cables are installed. This led to piercing by the bolt only, leaving the cable unsecured and resulting in a poor connection.

3.1. SEQ Region Update

Sicame have completed repairing and returning the faulty connectors to the Eagle Farm Distribution Centre. The connectors shown in Figure 1 with blue tags indicates this has been reworked by Sicame and is now suitable to use on the network. The connectors with green tags indicate these did not require any repair and are also now suitable to use on the network.

3.2. North/South Region Update

Sicame have completed repairing the faulty connectors in the regional areas and these are identified as per Figure 1.



Green Tag - Item was okay and required no repair.

Blue Tag - Item repaired from factory

Figure 1 – Connectors now suitable to use on the network

4. Update from Sicame

The manufacturer has advised, investigation and reworking has been completed on all connectors returned from the field. Hence the blue tags, green tags and blue dots will be phased out in the coming weeks from October 2019. All supply arrangements have returned to normal.

5. Action for Depot officers, CMO's and Field Crews

5.1. Unopened boxes manufacture dates PRE September 2018

All unopened boxes across EQL with date of manufacture prior to September 2018 can continue to be used.

NOTE	Unopened boxes with manufacture dates PRE September 2018 can continue to be used. Staff are reminded to perform a 'tug' test during installation to confirm a good connection.
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5.2. Actions for Returned Stock from Sicame

Connectors with Blue or Green tags installed by the manufacturer as shown in Figure 1 for all stock codes in this alert manufactured from September 2018 to October 2019 are suitable for use. The tags will be phased out from October 2019.

NOTE	Stock with Blue or Green tags are suitable for use on the network with the tags being phased out from October 2019. Staff are reminded to perform a 'tug' test during installation to confirm good connection.
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Boxes of repaired connectors from Sicame that are marked with a Blue/Green 'dot' sticker on the box indicating they have been reworked and are now suitable for use on the network. Refer Figure 2. The 'dot' stickers will be phased out from October 2019.

NOTE	Boxes with Blue or Green stickers are suitable for use on the network with the stickers being phased out from October 2019.
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Blue Dot sticker - Item repaired from factory

Green Dot sticker Items in the box was ok and required no repair.

Figure 2 – Boxes of Repaired Connectors

5.3. Defects on Connectors Manufactured Prior to September 2018

Line Standards have received reports of similar issues on some connectors manufactured prior to Sept 18. Whilst the issue on these connectors do not seem widespread, crews are reminded to perform a 'tug' test on all completed connections. If the connection does not seem solid, the connector is to be replaced with a new one, and the defective connector is to be sent back to the nearest Depot. Depot CMO's to advise Quality Team of the defective connector and it's manufacture date by emailing QualityTeam@energex.com.au.

6. Further Information

For further information, please contact Jegan Ramasubramanian, 07 3664 7391, email subramanianramasubramanian@ergon.com.au.