

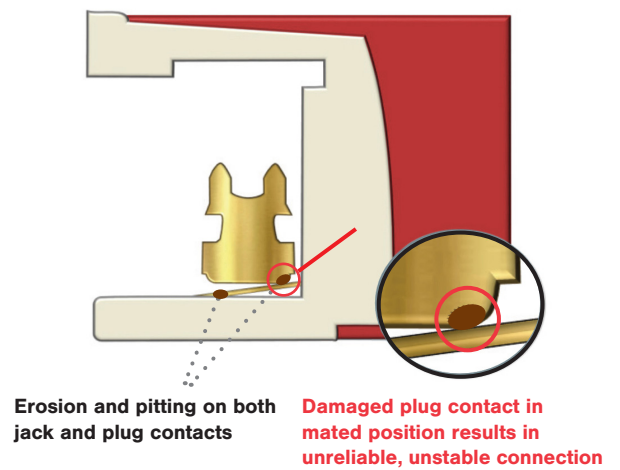
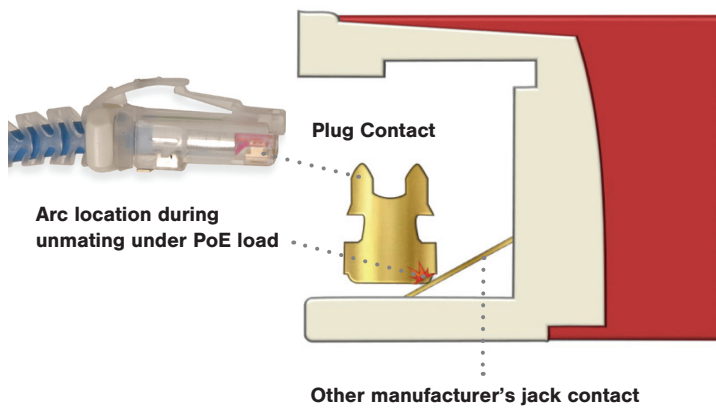
# Siemon Jacks with PowerGUARD™ Technology



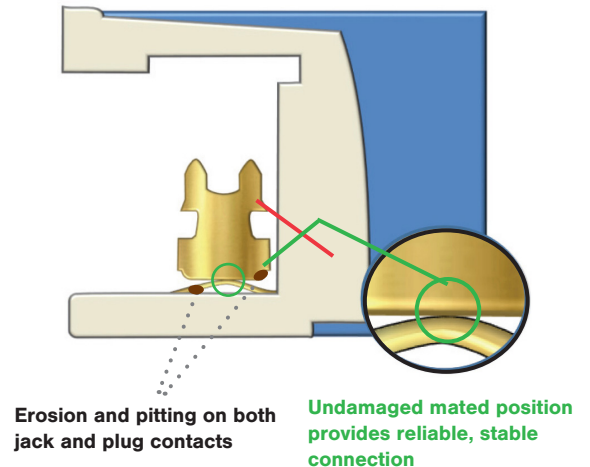
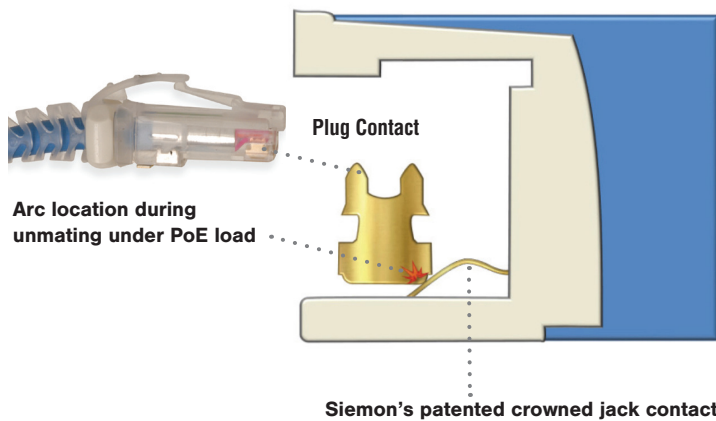
In an effort to improve the electrical and mechanical performance of the traditional RJ-45 jack, Siemon invented and patented a crowned (curved) contact shape for its MAX® and Z-MAX® RJ-45 jacks. In addition to achieving the industry's highest transmission performance and eliminating the risk of permanent contact deformation due to mechanical stress, Siemon's crowned jack contacts provide superior support for remote powering applications.

Unmating a jack-plug connection under a PoE load produces an arc that erodes the gold plated jack-plug contact surfaces at the arcing location. When this erosion occurs in the area of the fully mated position, the result is an unreliable connection. Only Siemon's crowned jack contact geometry places arcing damage to both the plug and jack contacts away from the final mated position—allowing you to connect and disconnect to the latest PoE applications with zero risk.

## Other Jacks... Damaged Fully Mated Position



## ▶▶ Siemon Jacks... With PowerGUARD Technology



Every day, the Internet of Things (IoT) places more PoE-enabled devices on the network—everything from IP phones and surveillance cameras, to wireless access points, building automation devices and LED lighting. Now with even higher power delivery for all four pairs of a network cable, it's time to pull the plug on inferior connections and choose Siemon's patented crowned contact geometry—it's what makes our PowerGUARD Jacks second to none.

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**North America**

P: (1) 860 945 4200

**Asia Pacific**

P: (61) 2 8977 7500

**Latin America**

P: (571) 657 1950/51/52

**Europe**

P: (44) 0 1932 571771

**China**

P: (86) 215385 0303

**India Middle East**

P: (971) 4 3689743

**Siemon Interconnect Solutions**

P: (1) 860 945 4213

[www.siemon.com/SIS](http://www.siemon.com/SIS)

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