



Design Win

North Shore Safety Chooses VCC for Stringent Environmental Needs



North Shore Safety is a leader in the development of electrical safety products for diverse and custom applications. In a recent project, North Shore Safety units were implemented into the public charging stations for electric cars. This application required that the device perform as an in-line fault detector to prevent electric shock or fire in the case of a short circuit. The units effectively operate as inline isolators between the car and the charging station. If circumstances were to occur that resulted in a charging station malfunction, the North Shores Line Guard will terminate all current flow to the vehicle. Designed to meet extreme conditions reliably, this is an industrial grade ground fault circuit interrupter that is a “Go Anywhere” protection device.

VCC has been a leader in LED panel indication for years, so when North Shore Electric needed an indicator for this device that could function under extreme conditions, they turned to VCC. This device had to meet stringent NEMA 4X ratings, as the design parameters required this device to be outdoors, impact resistant and able to withstand exposure to chemical elements.

North Shore investigated their options thoroughly and chose the VCC lens products as the best solution with proven testing results to meet and exceed project requirements. VCC Lenses are UV resistant, meet NEMA 4X ratings and offer Fresnel rings that increase the discernable brightness of LED devices. This option was an important feature because, if an error occurs, it will be indicated by the LED. This means the LED must capture the user’s attention and must be viewable in a variety of conditions, including direct sunlight. Dave Futkos, President of North Shore Safety, estimates the number of units needed to supply demand will be close to 1 million, as each electric car dealer will need a charging station, in addition to each consumer who purchases an electric vehicle.

VCC was thrilled to provide our panel lenses to meet the challenges of this project and look forward to a long lasting relationship with North Shore Safety. [Contact VCC](#) today for more information about our line of products to meet your most stringent application requirements.

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