

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20150606-E113407  
**Report Reference** E113407-19880115  
**Issue Date** 2015-JUNE-06

**Issued to:** TYCO ELECTRONICS CORP  
2901 FULLING MILL RD  
MIDDLETOWN PA 17057

**This is to certify that  
representative samples of**

**COMPONENT - PANELBOARD AND SWITCHBOARD  
ACCESSORIES**

Bus plug connectors - Series 125F, 125F2, 125F3, 062F,  
and 062F2. Bus plug connectors – Cat. Nos. 2204080 and  
2204273.

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 67, Panelboards.

**Additional Information:** See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's  
Certification and Follow-Up Service.

Recognized components are incomplete in certain constructional features or restricted in performance  
capabilities and are intended for use as components of complete equipment submitted for investigation rather  
than for direct separate installation in the field. The final acceptance of the component is dependent upon its  
installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.

*B. Mahrenholz*

Bruce Mahrenholz, Director North American Certification Program

UL LLC

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## DESCRIPTION

## PRODUCT COVERED:

Component Panelboard Accessories - Bus plug connectors - Series 125F, 125F2, 125F3, 062F, and 062F2.

Component Panelboard Accessories - Bus plug connectors - Cat. Nos. 2204080 and 2204273.

General - Series 125 connectors are intended to be mounted on either a printed wiring board or copper bus bars, 0.125 inches thick. They are intended to "plug" onto copper bus bars 0.125 inches thick.

Series 062 connectors are intended to be mounted and plugged into 0.062 in thick bus bars.

Cat. Nos. 2204080 and 2204273 are intended to be mounted and plugged into 3 mm thick bus bars.

Ratings - These connectors are designed to carry the rated currents below at a voltage of 15 V dc max. The maximum working temperature is intended to be 125°C.

125F, 125F2 and 125F3 - 200 A max  
062F and 062F2 - 100 A max  
2204080 - 200 A max (54 VDC)  
2204273 - 500 A max (54 VDC)

## CONDITIONS OF ACCEPTABILITY (NOT FOR FIELD REPRESENTATIVE USE):

Use - For use only in products where the acceptability of the combination is determined by Underwriters Laboratories Inc.

1. These devices are for factory installation only and should be mounted and enclosed in accordance with the end product requirements.
2. The 125F and F2 devices were temperature tested with 0.125 inch by 1.0 inch by 12 inch long silver plated copper bus bars, 062F bus bars were 0.062 by 1/2 by 12 in. The 125F connectors were connected via No. 2 AWG wire with crimp connectors. At 100 A, the maximum temperature was 34°C on the wire and 32°C on plugs and bus, ambient 24°C, at 200 A, the maximum temperature was 49°C on the wire and 51°C on the bus, 55°C on stab at 24°C ambient. At 400 A, the maximum temperature was 140°C on the wire, 132°C on 125F finger and 105°C average on all other parts including the 125F2. The ambient temperature was 22°F at 100 A, the 062F temperatures were 51°C at stabs and bus with a 23°C ambient. The suitability of these temperatures must be considered in the end product. No other tests were conducted.
3. The suitability of these devices with printed wiring boards must be determined in the end product as appropriate.
4. The need for additional tests must be determined in the end product.
5. Cat. No. 2204080 was temperature tested with 3 mm by 25 mm cross sectional area silver plated copper bus bars.
6. Cat. No. 2204273 was temperature tested with 3 mm by 45 mm cross sectional area silver plated copper bus bars.