



Certificate of Compliance

Certificate: 1038213 (LR 7189-151)

Master Contract: 164196

Project: 70053106

Date Issued: 2015-11-20

Issued to: Tyco Electronics Corporation
2901 Fulling Mill Rd
Mail Stop 140-08
Middletown, Pennsylvania 17057-3163
USA
Attention: Leon D. Cuthie

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: *Michael Chung*
Michael Chung

PRODUCTS

CLASS 6233 01 - RECEPTACLES-Attachment Plug Type and Plugs

CLASS 6233 81 - RECEPTACLES-Attachment Plug Type and Plugs - Certified to US Standards

Special-use "Positive Lock" Types Mark I and II connectors, Series 89XXX, 100XXX, 15XXXX, 17XXXX, 196XXXX, 3XXXXX, 520XXX, 521XXX and 926XXX, Types 110, 187 and 250, rated 24A max, 250V.

APPLICABLE REQUIREMENTS

CSA Std. No. 182.3-M1987, 1st Ed - Special Use Attachment Plugs, Receptacles, and Connectors

UL Std. No. 1977, 2nd Ed - Component Connectors for Use in Data, Signal, Control and Power Applications



Descriptive Report and Test Results

MASTER CONTRACT: 164196

REPORT: 1038213

PROJECT: 70053106

Edition 1: May 28, 1990; Application No LR 7189-151 - Toronto
Issued by V. O'Connor, C.E.T.

Edition 10: November 30, 1999; Project 1038213 - Toronto
Issued by Mike W. Gryschuk, C.E.T.

Report Reissued

Edition 25: January 31, 2011; Project 2393262 - Toronto
Issued by Mike W. Gryschuk, C.E.T.

Report Reissued

Edition 26: November 20, 2015; Project 70053106 - Toronto
Issued by Michael Chung

Report Reissued

Figures Added: Fig 97

Contents: Certificate of Compliance - Pages 1 to 1
Supplement to Certificate of Compliance - Pages 1 to 2
Description and Tests - Pages 1 to 11
Figures - 1 to 97; (Figs 80, 82 to 97 in Documentum)

PRODUCTS

CLASS 6233 01 - RECEPTACLES - Attachment Plug Type and Plugs

CLASS 6233 81 - RECEPTACLES - Attachment Plug Type and Plugs - CERTIFIED TO U.S. STANDARDS

Special-use "Positive Lock" Types Mark I and II connectors, Series 89XXX, 100XXX, 15XXXX, 17XXXX, 196XXXX, 3XXXXX, 520XXX, 521XXX and 926XXX, Types 110, 187 and 250, rated 24A max, 250V.

APPLICABLE REQUIREMENTS

CSA Std. No. 182.3-M1987, 1st Ed - Special Use Attachment Plugs, Receptacles, and Connectors

UL Std. No. 1977, 2nd Ed - Component Connectors for Use in Data, Signal, Control and Power Applications

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MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The Submitter's name ("Tyco")/tradenname ("AMP")/trademark/file ("164196" or "LR 7189") and the CSA Mark are permanently moulded, ink-stamped, labeled, etc on each device. The Submitter's identification, the Cat No, the electrical rating and the following (or equivalent) statements: "CAUTION: NOT FOR INTERRUPTING CURRENT" and "ATTENTION: NE PAS UTILISER POUR COUPER LE COURANT" are permanently marked on each device or on or in the smallest unit carton. The letters "C US" may appear below the CSA Mark.

ALTERATIONS

See "Markings" above.

FACTORY TESTS

None.

SPECIAL INSTRUCTIONS FOR FIELD SERVICES

1. Component descriptions marked with either the "(INT)" or "(INT*)" identifiers may be substituted with other components providing the requirements specified under the notes in the "Description" are complied with (reference only).

COMPONENT SPECIAL PICKUP

1. Component descriptions marked with the identifier "(CT)" are subject to annual pickup and Conformity Testing (reference only).

DESCRIPTION

Notes:

1. Component Substitution (reference only)
 - a) Critical components (those identified by mfr name, cat no), which are NOT identified with either "INT" or "INT*" are not eligible for substitution without evaluation and report updating
 - b) The term "INT" means a "Certified" and/or "Listed" (or a "Recognized" and/or "Accepted") component may be replaced by one "Certified" and/or "Listed" by another certification organization accredited by the appropriate accreditation body or scheme requirements to the correct standard, for the same application; providing the applicable country identifiers are included and requirements in item "d" below are complied with.
 - c) The Term "INT*" means a "Recognized" and/or "Accepted" component may be replaced by one "Recognized" and/or "Accepted" by another certification organization accredited by the appropriate accreditation body or scheme requirements to the correct standard, for the same application, providing the applicable country identifiers are included, the component is **also** CSA Certified, the requirements in item "d" below are complied with and any "conditions of suitability" for the component (as recorded in this descriptive report) are complied with.
 - d) Components which have been substituted, must be of an equivalent rating, configuration (size, orientation, mounting) and the applicable minimum creepage and clearance distances are to be maintained from live parts to bonded metal parts and secondary parts.
 - e) Substitution of a "Certified" and/or "Listed" component with a component that is "Recognized" or "Accepted" is not permitted without evaluation and report updating.

Conditions of Acceptability:

1. Supplied only to manufacturers, as components, for the assembly of Certified electrical equipment, where the acceptability of the suitability of the combination in the end use is determined by CSA International.
2. Not for interrupting current.
3. Prefixes and suffixes maybe added.

Project 70053106: Add Cat No 1969735-1, see Fig 97.

Project 2393262: One alternate body material [REDACTED] (item 1x).

Project 2249295: One alternate body material [REDACTED] (item 1g).

Project 2059404: One alternate body material [REDACTED] (item 1w).

Project 1875423: Cat No 521588-1 three alternate contacts Part Nos 63097, 63119, 1742357, see Figs 94 to 96.

Project 1837809: Two alternate body materials T [REDACTED] (items 1u, 1v) and add Cat No 521781-1, with contacts Part Nos 63648, 63854, 63933, 1217092, 1217113, 1217114, see Figs 87 to 93.