



Certificate of Compliance

Certificate: 2595099 (LR 7189-177)

Master Contract: 164196

Project: 2697346

Date Issued: January 28, 2014

Issued to: Tyco Electronics Corporation

2901 Fulling Mill Rd
Mail Stop 140-08
Middletown, PA 17057-3163
USA
Attention: Mr. Kurt Farr

The products listed below are eligible to bear the CSA Mark shown



Mike W. Gryschuk

Issued by: Mike W. Gryschuk, C.E.T.

PRODUCTS

CLASS 6233 01 - RECEPTACLES - Attachment Plug Type and Plugs

Special use connectors Series "SL.156", rated 5A, 250V.

APPLICABLE REQUIREMENTS

CSA Std. C22.2 No. 182.3-M1987, 1st Ed - Special Use Attachment Plugs, Receptacles, and Connectors



Supplement to Certificate of Compliance

Certificate: 2595099

Master Contract: 164196

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
2697346	Jan 28, 2014	Add four alternate body materials.
2595099	Feb 22, 2013	Add three alternate body materials and Series 770849.
History		
-451	Sep 7, 1993	Convert Series "SL.156" connectors to a part numberless format.
-294	Jun 7, 1991	Add Series 770598, 770707.
-191	Jul 25, 1990	Consolidate Series "SL.156" connectors from Report LR 7189-77.
-177	Jun 7, 1990	Original Certification Series "SL.156".



Descriptive Report and Test Results

MASTER CONTRACT: 164196

REPORT: 2595099

PROJECT: 2697346

Edition 1: June 7, 1990; Application No LR 7189-177- Toronto
Issued by Mike W. Gryschuk, C.E.T.; Reviewed by V. O'Connor, C.E.T.

Edition 4: September 7, 1993; Application No LR 7189-451 - Toronto
Issued by Paul Johnson, C.E.T., Reviewed by D. Hay, P. Eng.

Report Reissued

Edition 5: February 22, 2013; Project 2595099 - Toronto
Issued by Mike W. Gryschuk, C.E.T.

Report Reissued
Figures Added: Fig 38

Edition 6: January 29, 2014; Project 2697346 - Toronto
Issued by Mike W. Gryschuk, C.E.T.

Report Reissued

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Supplement to Certificate of Compliance - Pages 1 to 1
Description and Tests - Pages 1 to 4
Figures - Figs 1 to 38 (in Documentum)

PRODUCTS

CLASS 6233 01 - RECEPTACLES - Attachment Plug Type and Plugs

Special use connectors Series "SL.156", rated 5A, 250V.

APPLICABLE REQUIREMENTS

CSA Std. C22.2 No. 182.3-M1987, 1st Ed - Special Use Attachment Plugs, Receptacles, and Connectors

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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 Submitter's name ("TYCO")/tradename ("AMP")/trademark/file ("164196" or "LR 7189") and the CSA Mark are permanently moulded, ink-stamped, etc. on each device. The Submitter's identification, the CSA Mark, the Series "SL.156", the Cat No (optional), the electrical rating and the following (or equivalent) wording: "CAUTION: NOT FOR INTERRUPTING CURRENT" and "ATTENTION: NE PAS UTILISER POUR COUPER LE COURANT" are marked on the smallest carton or device.

ALTERATIONS

See "Markings" above.

FACTORY TESTS

None.

SPECIAL INSTRUCTIONS FOR FIELD SERVICES

None.

COMPONENT SPECIAL PICKUP

None.

DESCRIPTION

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 to the part numbers to denote non-electrical variations.

Project 2697346: Four alternate body materials (item 1h-k).

Project 2595099: Three alternate body materials (item 1e-g) and Series 770849, see Fig 38.

APP LR 7189-451: Convert Series "SL.156" connectors to a part numberless format.

APP LR 7189-294: Add Series 770598, 770707, see Figs 36 to 37.

APP LR 7189-191: Consolidate Series "SL.156" special-use connectors from Report LR 7189-77 (Sub-Reports LR 16455-108 and LR 16455-43) into this Report 2595099 (LR 7189-177).

APP LR 7189-177: Original Certification Series "SL.156".

Part A - Series "SL.156"

General: These special use connectors have the below properties.

1. Shipped with and without contact. Additionally, connectors may be shipped partially loaded.
2. Available in various sizes, shapes, configurations, densities, colours and markings.
3. May be straight, right angle, polarized or friction lock types.
4. Posts may be round or square, vary in length and be straight or right angle.
5. Contacts may be selectively or duplex plated.
6. May have locks or polarizing shroud.
7. May have post entry holes moulded or machine closed for keying purposes.

1. Body: Moulded of the below materials.

Type	UL Flame Class	UL RTI Strength	UL CTI
a) PA66	V-2, 0.71mm	105°C, 0.71mm	600V+
b) PA66	V-2, 0.71mm	130°C, 0.71mm	600V+
c) PA66	V-0, 0.71mm	130°C, 0.71mm	400-599V
d) PBTP	V-0, 0.71mm	120°C, 0.71mm	175-249V
e) PA66	V-0, 0.75mm	85°C, 0.75mm	600V+
f) PA66	V-0, 0.66mm	105°C, 0.66mm	600V+
g) PA6/6	V-0, 0.75mm	95°C, 0.75mm	600V+
h) PA6/66	V-0, 0.38mm	115°C, 0.75mm	600V+
i) PA6/66	V-0, 0.38mm	115°C, 0.75mm	600V+
	-	-	-
j) PA6/66 colour	V-0, 0.38mm	115°C, 0.75mm	600V+
	-	-	-
k) PA6/66	V-0, 0.38mm	115°C, 0.75mm	600V+
	-	-	-

2. Contacts: Copper alloy, optional tin and/or gold plated.

TESTS

APP LR 7189-177: No tests were considered necessary.

APP LR 7189-191: No tests were considered necessary.

APP LR 7189-294: No tests were considered necessary.

APP LR 7189-451: Due to similarity with the special-use connectors previously Certified in Report LR 7189-77 (Sub-Report LR 16455-43), no further tests were considered necessary.

Project 2595099: Due to the characteristics of the alternate body materials (items 1e-g) and since Series 770849 is an extension of the main series Series 770XXX, no tests were needed.

Project 2697346: Due to the characteristics of alternate body material (item 1h) and since adding a maximum of 3% colourant to existing body material (item 1h) resulting in body materials (1i-k), which do not greatly affect the plastic characteristics, no tests were needed.