



# Certificate of Compliance

**Certificate:** 1662649 **Master Contract:** 162842 (012636\_0\_000)

**Project:** 70095528 **Date Issued:** 2016-08-31

**Issued to:** Mersen USA Newburyport-MA, LLC  
374 Merrimac St  
Newburyport, Massachusetts 01950-1998  
USA  
**Attention:** Marla Miller

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicator ▲*



**Issued by:** *Ramana Tangirala*  
Ramana Tangirala

## **PRODUCTS**

### **CLASS - C142230 - FUSES-Supplemental Fuses - Component Acceptance**

#### **Model "PSC" Square Body Type Semi-Conductor Fuses:**

- Cat No A070URD30 (alternate cat. no. A070UD30), followed by suffixes, 50 to 550A, 700V ac, IR700Vac-200kA
- Cat No A070URD31(alternate cat. no. A070UD31), followed by suffixes, 150 to 800A, 700Vac, IR 700V ac-200kA
- Cat No A070URD32 (alternate cat. no. A070UD32), followed by suffixes, 315 to 1000A, 700Vac, IR 700Vac-200kA; note: >800A to 1000A have reinforced terminals. This range may also have alternate cat. No. A030ARGE followed by suffixes.
- Cat No A065URD32 (alternate cat. no. A065UD32), followed by suffixes, 1001A to 1100A, 650Vac, IR 650Vac-200kA; note these ratings all have reinforced terminals.
- Cat No A0600URD32 (alternate cat. no. A070UD32), followed by suffixes, 1101 to 1250A, 600Vac, IR 600Vac-200kA; note these ratings all have reinforced terminals.
- Cat No A055URD32 (alternate cat. no. A055UD32), followed by suffixes, 1251 to 1600A, 550Vac, IR 550Vac-200kA; note these ratings all have reinforced terminals.
- Cat No A050URD32 (alternate cat. no. A050UD32), followed by suffixes, 1601 to 1800A, 500Vac, IR 500Vac-200kA; note these ratings all have reinforced terminals.



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- Cat No A070URD232 or 2X32 (alternate cat. no. A070UD232 or 2X32), followed by suffixes, 800 to 2000A, 700V ac, IR 700V ac -200kA; This range may also have alternate cat. No. A030ARGE 232 or 2X32 followed by suffixes.
- Cat No A070URD33(alternate cat. no. A070UD33), followed by suffixes, 300 to 1400A, 700Vac, IR 700Vac-200kA; note: >1100A to 1400A have reinforced terminals.
- Cat No A065URD33(alternate cat. no. A065UD33), followed by suffixes, 1401 to 1800A, 650Vac, IR 650Vac-200kA; note these ratings all have reinforced terminals
- Cat No A060URD33(alternate cat. no. A060UD33), followed by suffixes, 1801 to 2000A, 600Vac, IR 600Vac-200kA; note these ratings all have reinforced terminals
- Cat No A055URD33(alternate cat. no. A055UD33), followed by suffixes,2001 to 2250A, 500Vac, IR 500Vac-200kA; note these ratings all have reinforced terminals
- Cat No A050URD33(alternate cat. no. A050UD33), followed by suffixes,2251 to 2500A, 500Vac, IR 500Vac-200kA; note these ratings all have reinforced terminals
- Cat No A070URD233 or 2X33 (alternate cat. no. A070UD233 or 2X33), followed by suffixes, 1000 to 2800A, 700V ac, IR 700V ac -200kA; note: ratings 2201 to 2800A have reinforced terminals.
- Cat No A065URD233 or 2X33 (alternate cat. no. A065UD233 or 2X33), followed by suffixes, 3000 to 3600A, 650V ac, IR 650V ac -200kA; note these ratings all have reinforced terminals

Note: UD or URD identifier may be replaced with ARGE, UB, URB, UC, URC, UE, URD, UF or URF. The B, C, D, E and F designate the speed characteristic and amount to assigning a new ampere rating. For example for a 500A UD and URD is the same construction as a 450A UE or URE and is the same as a 400A UF or URF.

Note: Above are max ratings. For marketing reasons and customer requests, the voltage rating and the field in the catalogue number representing voltage rating may be less than the max shown.

#### **Alternate European ratings:**

- Cat No 6,9URD30 (alternate cat. no. PC30UD69V), followed by suffixes, 50 to 550A, 690V ac, IR690Vac-200kA
- Cat No 6,9URD31(alternate cat. no. PC31UD69V), followed by suffixes, 200 to 800A, 690Vac, IR 690V ac-200kA
- Cat No 6,9URD32 (alternate cat. no. PC32UD69V), followed by suffixes, 400 to 1000A, 690Vac, IR 690Vac-200kA
- Cat No 6URD32 (alternate cat. no. PC32UD60V), followed by suffixes, 1001 to 1100A, 600Vac, IR 600Vac-200kA; note these ratings all have reinforced terminals
- Cat No 5,5URD32 (alternate cat. no. PC32UD55V), followed by suffixes, 1101 to 1250A, 550Vac, IR 550Vac-200kA; note these ratings all have reinforced terminals
- Cat No 6,9URD232 or 2X32 (alternate cat. no. PC232UD69V or PC2X32UD69V), followed by suffixes, 800 to 2000A, 690V ac, IR 690V ac -200kA
- Cat No 6,9URD33(alternate cat. no. PC33UD69V), followed by suffixes, 500 to 1400A, 690Vac, IR 690Vac-200kA
- Cat No 6URD33(alternate cat. no. PC33UD60V), followed by suffixes, 1401 to 1800A, 600Vac, IR 600Vac-200kA; note these ratings all have reinforced terminals



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- Cat No 5,5URD33(alternate cat. no. PC33UD55V), followed by suffixes, 1801 to 2000A, 550Vac, IR 550Vac-200kA; note these ratings all have reinforced terminals
- Cat No 5URD33(alternate cat. no. PC33UD50V), followed by suffixes, 2001 to 2250A, 500Vac, IR 500Vac-200kA; note these ratings all have reinforced terminals
- Cat No 4.5URD33(alternate cat. no. PC33UD45V), followed by suffixes, 2251 to 2500A, 450Vac, IR 450Vac-200kA; note these ratings all have reinforced terminals
- Cat No 6,9URD233 or 2X33 (alternate cat. no. PC233UD69V or PC2X33UD69V), followed by suffixes, 1250 to 1800A, 690V ac, IR 690V ac -200kA; note these ratings all have reinforced terminals
- Cat No 6URD233 or 2X33 (alternate cat. no. PC233UD60V or PC2X33UD60V), followed by suffixes, 2000 to 2800A, 600V ac, IR 600V ac -200kA; note these ratings all have reinforced terminals
- Cat No 5.5URD233 or 2X33 (alternate cat. no. PC233UD55V or PC2X33UD55V), followed by suffixes, 3000 to 3200A, 550V ac, IR 550V ac -200kA; note these ratings all have reinforced terminals
- Cat No 5URD233 or 2X33 (alternate cat. no. PC233UD50V or PC2X33UD50V), followed by suffixes, 3600 to 4000A, 500V ac, IR 500V ac -200kA; note these ratings all have reinforced terminals
- Cat No 4URD233 or 2X33 (alternate cat. no. PC233UD40V or PC2X33UD40V), followed by suffixes, 4500 to 5000A, 400V ac, IR 400V ac -200kA; note these ratings all have reinforced terminals

Note: UD or URD identifier may be replaced with ARGE, UB, URB, UC, URC, UE, URE, UF or URF. The B, C, D, E and F designate the speed characteristic and amount to assigning a new ampere rating. For example for a 500A UD and URD is the same construction as a 450A UE or URE and is the same as a 400A UF or URF.

Note: Above are max ratings. For marketing reasons and customer requests, the voltage rating and the field in the catalogue number representing voltage rating may be less than the max shown.

Note:

1. These fuses have been investigated only short circuit protection and overload protection only at levels not lower than the “Minimum Breaking Capacity” as specified in the report.
2. Temperature rise limits and fuseholder per test results should be considered prior to select the product at end use application.
3. These fuses are not suitable for branch circuit protection.
4. Fuses provided with indicators have been evaluated in combination, however, the use of additional accessories such as micro switches have not been investigated.
5. The method of mounting of these fuses to the OEM equipment has not been investigated. The suitability of the electrical connection along with the temperatures on the conductive portion of the fuse blade and/or ferrule is to be investigated in the end used.
6. The actuator assembly is intended for used with a micro switch and bracket for remote alarm circuit operation. The switch device is intended to be mounted by the OEM. This switch device, bracket, spacings, and separation of circuitry are to be considered in the end-use application with respect to



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suitability of the application. This mounting body consists of a thermoset material with a generic temperature limitation of 130°C for mechanical properties without impact. This temperature is not to be exceeded in the end application.

7. See Ill. 1 for manufacturers publishing data.

### **APPLICABLE REQUIREMENTS**

CSA Std. C22.2 No. 248.13 - Low-Voltage Fuses--Part 13: Semiconductor Fuses



## *Supplement to Certificate of Compliance*

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

### **Product Certification History**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70095528	2016-08-31	covers updating of submittor's identification (Trade name "MERSEN' added) under Markings.
2665538	2013-12-20	covers Catalogue No. A050URD32, 1601 to 1800A and alternate element (Bimetal) construction under Part B.
2452283	2011-08-24	covers updated procedure for "Split Inspection".
2357616	2010-10-18	covers split inspection of Indicator and Element/Body Sub-assemblies (Ref. FIR dated June 23, 2010- Fcatory ID 4764289)
2316537	2010-06-08	covers correction (250A element width corrected from 5 mm to 7.5 mm in page 9)
2270944	2010-02-01	covers correction of Certification Number under C of C..
2181505	2009-11-26	covers alternate construction (Part B) and alternate European ratings.
2070195	2008-10-10	covers correction to certification records with correct Catalogue Numbers, Corrections to product description to align with latest c onstruction
1662649	2006-03-23	Original Certification (Model PSC, Square Body Semiconductor Fuses, Cat. No. A 70 URD Series, 50 to 2500A, 700V ac max.