

STANDARD INFORMATION

Standard Number: UL 347A
Standard Name: Medium Voltage Power Conversion Equipment
Standard Edition and Issue Date: 1st Edition Dated September 8, 2015
Date of Revision: February 19, 2019
Date of Previous Revision of Standard: June 27, 2017

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **February 19, 2021**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revise requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.

Overview of Changes:

- Power Conversion Equipment with Low Voltage Input and Medium Voltage Output
- Driven Rain Test Requirement for All Outdoor Enclosures

Specific details of new/revise requirements are found in table below.

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Client Action:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revise paragraphs noted in the attached or explain why these new/revise requirements do not apply to your product (s).

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



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CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i>
7	Info	General
7.3	Info	Environmental rating related enclosure requirements
7.3.1		<p>The requirements of Section 5.102.210 of the Standard for Medium Voltage AC Contactors, Controllers, and Control Centers, UL 347, apply to all enclosures intended for outdoor use. <u>The Driven Rain Test of Section 6.203.1 of the Standard for Medium Voltage AC Contactors, Controllers, and Control Centers, UL 347 is not required for type 4 and type 6 enclosures which meet the requirements of UL 50E, as the requirements are to obtain a watertight enclosure as verified by the Hosedown Test and the Submersion Test of UL 50E respectively.</u> When provided For all other enclosures, the driven rain test is required. When conducting the <u>driven rain test on an enclosure with forced ventilation</u>, the driven rain test shall be conducted with the ventilation system operating, and repeated with the ventilations system off. When an enclosure is marked with an enclosure type number, it shall comply with 7.3.2.</p>
13	Info	Isolating Means
		<i>New clause added;</i>
13.1.1		<p>For equipment with an input voltage rating exceeding 1000 V, the isolating means shall be one of the following:</p> <ul style="list-style-type: none">a) Three-pole isolating switch;b) Three-pole isolating switch in mechanical combination with medium-voltage motor circuit fuses;c) Three-pole load break switch;d) Draw out three-pole contactor (with or without fuse assembly); ore) Draw out three pole circuit breaker.
		<i>New clause added;</i>
13.1.2		<p>For equipment with an input voltage rating of 1000 V or less, the isolating means shall be one of the following, with current, voltage, and short-circuit ratings no less than required by the application:</p> <ul style="list-style-type: none">a) Three-pole fused switch;b) Three-pole switch, in combination with seperately mounted fuses; orc) Three-pole circuit breaker, either fixed mounted or draw out type.



CLAUSE	VERDICT	COMMENT
13.3		For equipment having an input voltage rating above 1000 V, the isolating means shall provide visible evidence of an isolating gap in the circuit adequate for the operating voltage. <i>New clause added;</i>
13.4.1		For equipment with an input voltage rating of 1000 V or less, the isolating means shall be provided with position indication, but need not provide visible evidence of an isolation gap in the circuit.
18	Info	Terminals and Connections <i>New clause added;</i>
18.3		Where field connections are to be made to circuits rated over 1500 V, wire bending space shall be provided in accordance with Section 5.210 of the Standard for Medium Voltage AC Contactors, Controllers, and Control Centers, UL 347. <i>New clause added;</i>
18.4		Where field connections are to be made to circuits rated 1500 V and below, wire bending space shall be provided in accordance with Section 7.14 of the Standard for Industrial Control Equipment, UL 508.
CUSTOMERS PLEASE NOTE: This Table and column "Verdict" can be used in determining how your current or future production is or will be in compliance with new/revised requirements.		