

Subject 248-1 (248 Series)
(In reply, refer to Subject 248)

333 Pfingsten Road
Northbrook, IL 60062
October 25, 2002

**TO: Subscribers to UL's Listing Service for
 Special Purpose Fuses, JFHR**

**SUBJECT: Request for Comments on Proposed Enhancements to UL's Listing Service for
 Special Purpose Fuses, JFHR**

UL requests comments on the proposed enhancements to its Listing Service for Special Purpose Fuses, JFHR.

Fuses may be Listed as Special Purpose Fuses when they either incorporate dimensional or other rejection features which make them non-interchangeable with Listed classes of renewable and nonrenewable cartridge fuses or they comply with all of the performance requirements applicable to Listed classes of renewable and nonrenewable cartridge fuses for which they may be substituted.

Certain fuses may be of a unique design such that they are not interchangeable with other classes of fuses, but meet all of the performance requirements for a given fuse Class. It is for this specific situation that UL is proposing these enhancements.

Most industrial control and power distribution equipment Standards require the use of fuses that comply with the UL 248 Series of Standards. This requires that a fuse be a Class J, T, R, CC, etc. Equipment manufacturers rely on these fuses to provide the required circuit protection, and they use the fuse let-through characteristics during short-circuit withstand evaluations.

Special Purpose Fuses that meet all of the performance characteristics of a given fuse Class may be appropriate as an alternative to the traditional fuse Classes to provide the required circuit protection. However, industrial control and power distribution equipment Standards do not generically allow the use of Special Purpose Fuses, since some Special Purpose Fuses may not have all of the necessary circuit protection features.

To assist equipment manufacturers in selecting appropriate uses for use in their equipment, UL is considering the following enhancements to the Special Purpose Fuse category:

1. For fuses that are of a unique design such that they are not interchangeable with other Classes of fuses, but meet all of the performance requirements for a given fuse Class, UL proposes to allow an additional marking on the fuse that states "This fuse meets the performance specifications for a Class ____ Fuse."
2. UL plans to revise the JFRH category information that appears in UL's directory to include additional information about the marking as noted in item 1.
3. UL plans to revise the format for the JFHR category such that the catalog numbers for Listed Special Purpose Fuse appear in UL's directory. Additionally, for fuses that are of a unique design such that they are not interchangeable with other Classes of fuses, but meet all of the

performance requirements for a given fuse Class, additional information may be shown adjacent to the fuse catalog number, such as "Cat. No. xxx, rated 600Vac, meets performance requirements of Class ____ fuse" or equivalent.

UL requests comments on the above proposal. All comments should be forwarded to John Zaplatosch at UL's Northbrook Office no later than November 22, 2002.

UNDERWRITERS LABORATORIES INC.

CATHY GAVLEK
Standards Department
RESEARCH TRIANGLE PARK DIVISION

REVIEWED BY:

JOHN ZAPLATOSCH (Ext. 43621)
Engineering Group Leader
Conformity Assessment Services 3018D
NORTHBROOK DIVISION
Phone: 847-664-3621
Fax: 847-313-3621
Email: john.a.zaplatosch@us.ul.com

SR: SB

bul-248-1.2_20020910