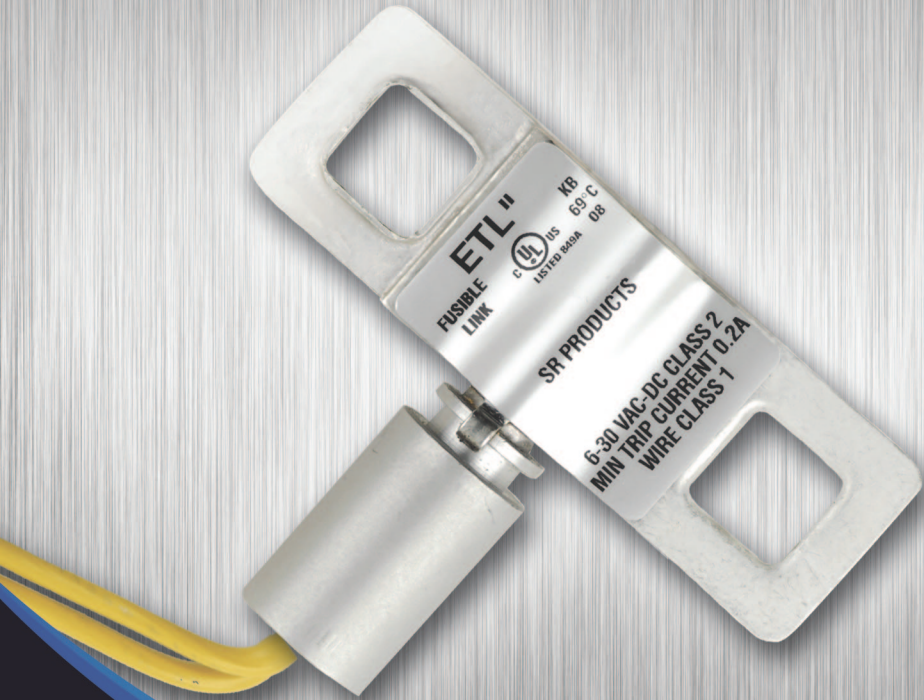


Electro Thermal Link - ETL[®]



*Designed to substantially
improve life safety and
minimize property damage.*



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or visit our website www.srproducts.com

ETL[®]

The **Electro Thermal Link - ETL[®]** is a multi-purpose dual responsive fusible link / release device. The fusible link portion functions identically to that of an ordinary fusible link (ambient temperature approaching the rated temperature allows the solder alloy to melt, and the link halves to separate). Additionally, electrical actuation (0.2 ampere minimum trip current applied for 50 millisecond minimum duration) starts a chemical reaction which heats the core and effects separation of the fusible link in 6 to 10 seconds at ambient temperature.



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ETL[®] Technical Description:

The ETL[®] is a Underwriters Laboratories listed fusible link/release device available in two versions:

- 165° F [74° C] nominal temperature rating
- 69° C [156° F] nominal temperature rating

Visit our website www.SRProducts.com to download the following pdf files:

- U.S. Department of Labor (MSDS)
- 165° F [74° C] nominal temperature rating Underwriter's Laboratories Product Characteristic Installation PDF
- 69° C [156° F] nominal temperature rating Underwriter's Laboratories Product Characteristic Installation PDF

The Electro Thermal Link - ETL®

The ETL® was designed to substantially improve life safety and minimize property damage by providing an instantaneous fusible link response and separation in the event of fire (or at the advent of products of combustion such as smoke) and has the additional capability to respond to any type of detector or circuit capable of supplying a short duration current impulse. The design allows for substitution or retrofit of ordinary fusible links or other actuators and release devices installed in: dampers, doors, roof hatches, towers, extinguishing systems, and inert chemical or gas release systems.

The inherent major advantage of the ETL® over other products is dually redundant dormancy. The ETL® is an Underwriters Laboratories® listed space age device manufactured to exacting aerospace quality standards.

Description	Part Number	Minimum Load Rating (In Pounds)	Maximum Load Rating (In Pounds)	Underwriters Laboratories Listed
165° F ETL (74° C ETL)	121165	2	40	X
69° C ETL (156° F ETL)	12169C	5	40	X

 Underwriters Laboratories file number R6205.

Important Information About The Electro Thermal Link - ETL®

ETL® Storage:

The ETL® should be stored in areas where the ambient temperature does not exceed 100° F (38° C). The ETL® should remain in its Foil Box while in storage to prevent it from accidental actuation in extreme induction fields.

ETL® Inspection, Maintenance and Replacement:

The ETL® should be installed, inspected and replaced in accordance with the applicable codes and authorities having jurisdiction. Since this multipurpose life safety device can be installed in many fire and life safety applications, the most stringent code requirement that governs the intended application must be in compliance.

SR Products, LLC recommends that the ETL® Links be inspected and examined at least once every year (or more often in extreme environments) for corrosion, soldered joint cracks, paint residue, chemical residue, or other foreign material that would impair the performance of the ETL® Link. In such cases, the ETL® should be replaced.

ETL® Technical Specifications:

165° F [74° C] ETL® has a 40 pound [18.14 kg] maximum continuous, 2 pound [0.90 kg] minimum continuous tensile weight rating at standard temperature. Whereas the 69° C [156° F] ETL has a 40 pound [18.14 kg] maximum continuous, 5 pound [2.268 kg] minimum continuous tensile weight rating at standard temperature.

Additionally, it contains a bridgewire initiated pyrotechnic heating element with a minimum all fire current requirement of 200 milliamperes [0.2 amp] for 50 milliseconds minimum duration within a voltage range of 6-30 VAC-DC [NEC Class 2, low voltage], and safe no-fire input test current of 10 milliamperes maximum.

The fusible link portion is a nominal 1" [25.4 mm] X 3 1/8" [79.4 mm] X 1/2" [12.7mm] envelope with 1/2" [2.7 mm] square reinforced openings at the ends to allow attachment of "S" hooks, straps, or other attachments.

An 11/16" [17.3 mm] diameter 1-1/4" [3.17 mm] protruding cylinder houses the pyrotechnic heating element and attachment wires [UL® 1018 Wire Class 1] and provides a means to attach a standard EMT [conduit] connector adapter to any combination 1/2" [12.7 mm] EMT or 3/8" [9.5 mm] or 1/2" [12.7mm] flexible conduit, thereby meeting any requirements such as National Electric Code specifications for "Wiring in Ducts, Plenums and Other Air Handling Spaces."



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