

Press Release

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 **SCHURTER**
ELECTRONIC COMPONENTS

SCHURTER announces VDE and UL Approvals for its SMD Fuse with 1500 A Breaking Capacity



Compact, High Performance Fuse is Optimal for Intrinsically Safe Applications

SCHURTER's Universal Modular fuse, UMT-H, offers a 1500 A breaking capacity at rated voltages of 277 VAC / 250 VDC. The compact, high performance fuse now has VDE approval in addition to UL approval. This time-lag fuse provides overcurrent and short circuit protection in various industrial control applications, including intrinsically safe applications.

The "intrinsic safety" method is one of the most common techniques used for achieving safety protection with lower voltage or power equipment. This method restricts the available electrical and thermal energy in a system so that ignition of a hazardous atmosphere (such as explosive gas, dust, or electrical arcing) cannot occur. The UMT-H's high breaking capacity of 1500 A, plus the >10 mm spacing between end caps, combined with the ability to be impermeable to conformal coating makes the fuse suitable for use in such intrinsically safe applications.

The UMT-H fuse is available in a total of 19 rated currents between 160 mA and 10 A at voltages up to 277 VAC and 250 VDC. The UMT-H measures at 5.3 x 16 mm, which is a smaller alternative to the classic cylindrically-shaped cartridge fuses (e.g. 5 x 20 mm). The smaller footprint saves valuable board space, allowing for further downsizing of equipment. With its square design, the UMT-H is also suited for more cost-effective, automated assembly. The high breaking capacity fuse meets the IEC 60127-7/1, UL 248-14 and CSA C22.2 standards along with its VDE and UL approvals. Additional applications include power supplies, electromobility, medical and telecommunication applications as well as 277 VAC utility-connected equipment.

Features and benefits:

- Certification according to IEC 60127-7/1, UL 248-14, CSA C22.2 no. 248.14
- High breaking capacity (H) of 1500 A at rated voltage
- High rated voltages up to 277 VAC / 250 VDC
- 19 rated currents from 160 mA to 10 A
- Time-lag (T) characteristics
- Optimal suited for automated assembling because of square design
- Suitable for intrinsically safe applications

Internet:

[Microsite UMT-H](#) [1]

[Datasheet](#) [2]

Company:

SCHURTER is a progressive innovator and manufacturer of Circuit Protection, Connectors, Switches, and EMC Products to the electronic and electrical industries worldwide. SCHURTER's three divisions: Components, Input Systems and Electronic Manufacturing Services are formed to provide customer specific products and services, which focus on clean and safe supply of power and making equipment easier to use. These core competencies bring a high degree of innovation to SCHURTER's main markets IT / Telecom, Medical, Space and Renewable Energy. SCHURTER meets its customers' highest demands through certified quality, environmental and safety management systems including ISO 9001, ISO 14001, OHSAS 18001 and highly developed processes (Six Sigma method). Excellent services are upheld through the consistent application of an all encompassing quality management system.

Contact:

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[1]: <http://umt-h.schurter.com>

[2]: <http://www.schurter.ch/en/Components/Circuit-Protection/Fuses-Fuseholders/Non-Resettable-Fuses/UMT-H>