

Common Fuse Information

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Fuses are a common circuit element and are key to protecting from overvoltage and overcurrent situations that can damage important circuits.

Fuse markings are typically stamped symbols located on the metal cap of the fuse.



Here is a helpful guide to common fuse markings used with instrumentation, taking a common fuse type as an example:

T 6.3A L 250V

The first letter, “T” in this case, is the fuse acting speed. Fast-acting fuses disconnect the circuit power more quickly than slow-acting.

The current rating is next. In this case, “6.3A”.

“L” is the fuse breaking capacity (or short circuit rating) which is defined as the amount of current that will cause the fuse to open if a fault or short circuit occurs. Low indicates very little over-current will cause an open. High capacity rated fuses will not open unless the current from a short circuit or fast event is significantly larger than the rated value of the fuse.

The maximum voltage rating is listed next, “250 V” in this case.

Table 1. Fuse Element Speed Markings

Marking	Fuse Element Speed
FF	Very Fast Acting (Flink Flink)
F	Fast Acting (Flink)
M	Medium Acting (Mitteltrage)
T	Slow Acting (Trage)
TT	Very Slow Acting (Trage Trage)

Table 2. Fuse Breaking Capacity Markings

Marking	Fuse Breaking Capacity
H	High Breaking Capacity

L Low Breaking Capacity



North American Headquarters

SIGLENT Technologies America, Inc
6557 Cochran Rd Solon, Ohio 44139

Tel: 440-398-5800

Toll Free: 877-515-5551

Fax: 440-399-1211

info@siglent.com

www.siglentamerica.com/

European Sales Offices

SIGLENT TECHNOLOGIES EUROPE GmbH

Staetzlinger Str. 70

86165 Augsburg, Germany

Tel: +49(0)-821-666 0 111 0

Fax: +49(0)-821-666 0 111 22

info-eu@siglent.com

www.siglenteu.com

Asian Headquarters

SIGLENT TECHNOLOGIES CO., LTD.

Blog No.4 & No.5, Antongda Industrial Zone,

3rd Liuxian Road, Bao'an District,

Shenzhen, 518101, China.

Tel: + 86 755 3661 5186

Fax: + 86 755 3359 1582

sales@siglent.com

www.siglent.com/ens