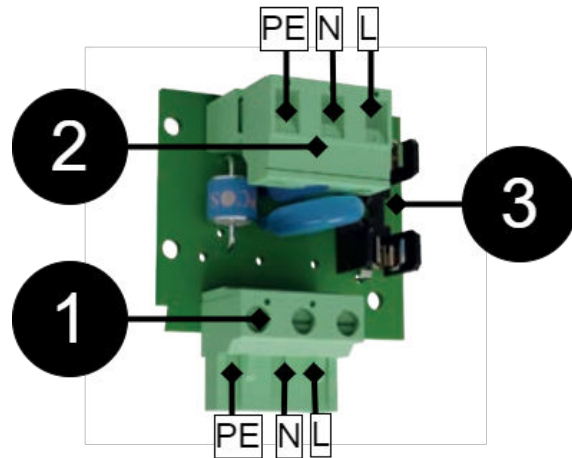


## ABOUT

Lightning protection, T-SPD L, is a circuit board with the lightning / surge protection function. The card is mounted in series with the incoming mains supply. In the event of an unnaturally high voltage on the supply, the voltage is led down into the protective ground and the glass fuse trips. T-SPD L protects components in the battery backup and thus ensures high operational reliability.

### Installation and connection

Connect Phase, Neutral and Ground as the picture shows.



No	Explanation
1	Terminal that meets motherboard in battery backup
2	Terminal for incoming mains.
3	Fuse



#### Warning

Do not cross cables - risk of equipment damage.

### Technical data

Item number	T-SPD-L
Product description	Lightning protection and surge protection, connect to the motherboard's 230 V input.
Measure	28 x 58 x 36 mm
Card consumption	N/A
Tension, in	27.3V DC
Continuous AC voltage phase - PE	275 V
Limiting voltage phase - PE	700V
Limiting voltage neutral - PE	700V
Energy 2 ms	71 J
Current pulse 8 / 20us	4500 A
Voltage at 1mA phase - PE	430V DC
Fuse:	T2.5H250

#### Technical data

Recommended environment	Environmental class 1, Indoor, 20% ~ 90% relative humidity
The products meet the requirements according to	EMC Directive 2014/30EU, Low Voltage directive: 2014/35/EU CE directive according to 765/2008, Emission: EN61000-6-2:2001, EN55022:1998:-A1:2000, A2:2003 Class B, EN61000-3 -2:2001. Immunity: EN61000-6-2:2005, EN61000-4-2, -3, 4, -5, -6, -11.
Guarantee	2 years
Manufacturer	Milleteknik AB
Country of origin	Sweden

Manual article number: 350-020

This document is subject to change without notice.

All information is published subject to typographical errors.

#### About translation of this document

User manual and other documents are in the original language in Swedish. Other languages are machine translated and not reviewed, errors may occur.

## Address and contact details

Milleteknik AB  
Ögärdesvägen 8 B  
S-433 30 Partille  
+46 31 340 02 30  
[www.milleteknik.com](http://www.milleteknik.com)