

## V3T-25/50

**Transient surge protective device (SPD) with risk of direct lightning strike in three-phase installations. Type 1+2. Spark gap.**

|                                                                                                                                                                       |                                                                                                                                                                       |                                                                                                                                                                         |                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  L  |  L  |  L  |  PE  |
| <b>toscano</b><br><b>vigivolt</b><br><b>V3T-25/100</b><br>Uc: 275V-<br>Up: ≤1,3kV<br>Iimp: 25kA<br>In: 25kA<br>Imax:100kA<br>SPD T1 T2                                | Uc: 275V-<br>Up: ≤1,3kV<br>Iimp: 25kA<br>In: 25kA<br>Imax:100kA<br>SPD T1 T2                                                                                          | Uc: 275V-<br>Up: ≤1,3kV<br>Iimp: 25kA<br>In: 25kA<br>Imax:100kA<br>SPD T1 T2                                                                                            | Uc: 275V-<br>Up: ≤1,5kV<br>Iimp: 100kA<br>In: 100kA<br>Imax:100kA<br>SPD T1 T2                                                                                             |
|  N  |  N  |  N  |  N   |



### WARNING!

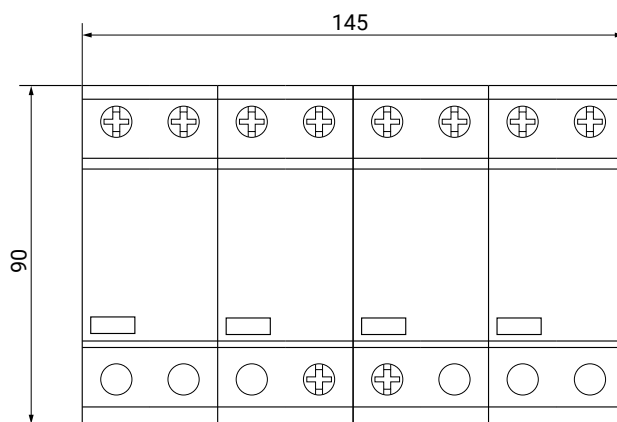
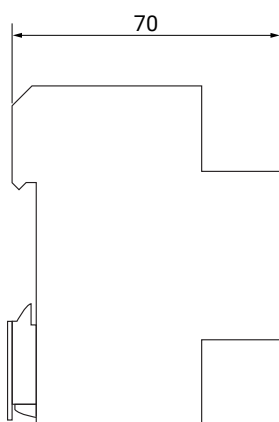
- The installation, maintenance and eventual replacement of this device must only be carried out by a qualified electrician.
- This device must not be repaired.
- All applicable local, regional and national regulations must be complied with during the installation, use, maintenance and replacement of this device.
- This device should not be installed if, when unpacking it, you observe that is damaged.
- Toscano cannot be held responsible in the event of non-compliance with the instructions in this document and in the documents to which refers.
- For the correct operation of the equipment, the phases must be connected to the "L" terminals, the neutral to the "N" terminal and the earth to "PE" terminal.



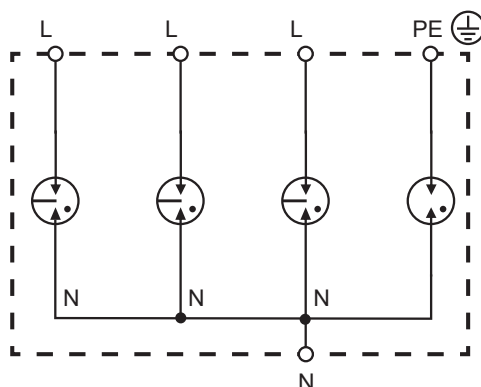
### HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Turn off all power supplying this device before working on it.
- Use a voltage tester on an appropriate range to verify that all live conductors are not energized.
- Failure to follow these instructions will result in death or serious injury.

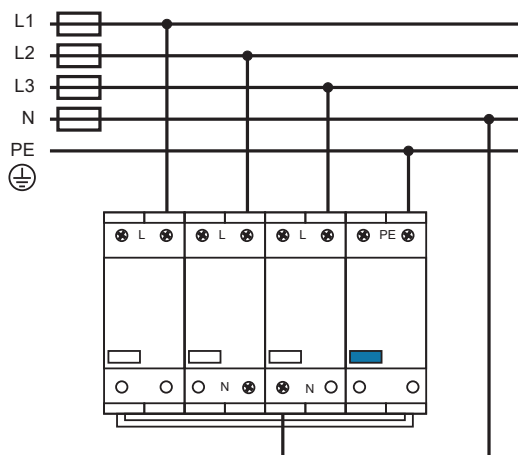
## Dimensions



## Electrical diagrams



## Wiring



## Technical specifications

|             |                                                               |                                                           |
|-------------|---------------------------------------------------------------|-----------------------------------------------------------|
| GENERAL     | Rated voltage $U_n$                                           | 240 VAC                                                   |
|             | Maximum voltage $U_c$                                         | 385 VAC                                                   |
|             | Frequency                                                     | 50-60 Hz                                                  |
|             | Maximum terminal cross-section                                | 35 mm <sup>2</sup>                                        |
|             | Upstream protective fuse                                      | 325 A gL                                                  |
|             | Environmental limits                                          | -40 ° +80 °C                                              |
|             | Protection                                                    | IP20                                                      |
|             | Mounting                                                      | Rail DIN 35                                               |
|             | N° of DIN modules                                             | 8                                                         |
|             | Standards                                                     | 2014/35/UE (LVD)<br>2014/30/UE (EMC)<br>2011/65/UE (RoHS) |
| OVERVOLTAGE | Dimensions (width x height x depth)                           | 145 x 90 x 70 mm                                          |
|             | Average weight approx.                                        | 840 g                                                     |
|             | Level protection $U_p$                                        | ≤2 kV                                                     |
|             | Maximum discharge current (8/20 μs)<br>$I_{max}$ (L-N / N-PE) | 100 kA / 100 kA                                           |
|             | Rated discharge current (8/20 μs)<br>$I_n$ (L-N / N-PE)       | 25 kA / 50 kA                                             |
|             | Impulse current (10/350 μs)<br>$I_{imp}$ (L-N / N-PE)         | 25 kA / 50 kA                                             |
|             | Overvoltage response time (L-N / N-PE)                        | ≤25 ns / ≤100 ns                                          |
|             | Type                                                          | 1+2                                                       |
|             | Product standards                                             | IEC/EN 61643-11                                           |



In the case of three-phase lines without neutral, the protective earth (PE) must be connected to the neutral (N) terminal.

## ○ Description

Dispositif de protection contre les surtensions transitoires (DPS) de type 1 et 2 qui, en cas de surtension, l'absorbe en la dérivant vers la terre (PE), évitant ainsi tout dommage aux dispositifs connectés au réseau.

If, due to an overvoltage, the protection becomes inoperative, the indicator window (normally green) will switch off. In such case, the protection module will have become unusable and must be replaced.

Check the standards that our products comply with and download their declaration of conformity at:  
**[toscano.es/standards](https://www.toscano.es/standards)**

