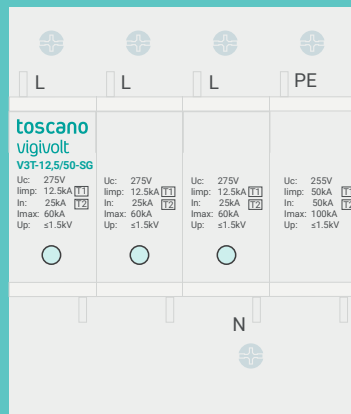
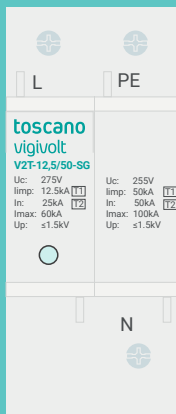




WARNING!

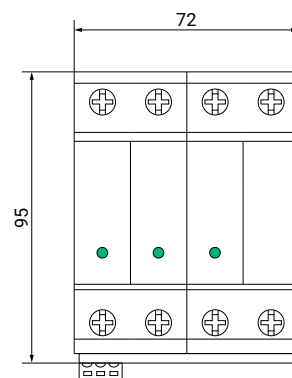
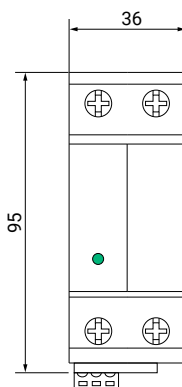
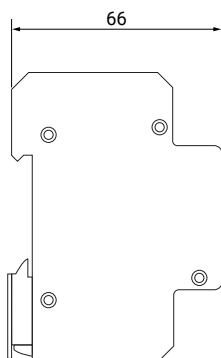
- The installation, maintenance and eventual replacement of this device must only be carried out by a qualified electrician.
- This device must not be repaired.
- All applicable local, regional and national regulations must be complied with during the installation, use, maintenance and replacement of this device.
- This device should not be installed if, when unpacking it, you observe that it 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 it 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 terminal "PE".



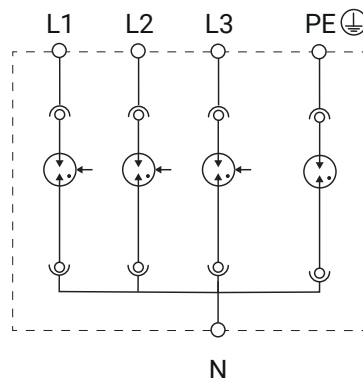
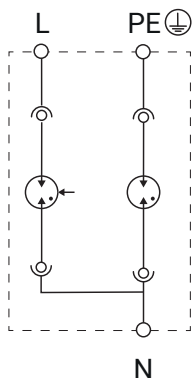
HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- 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.

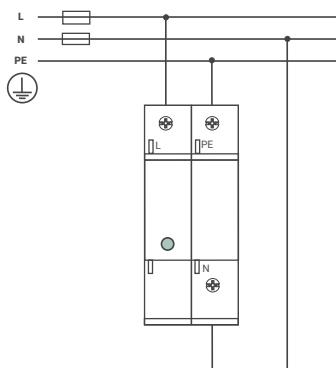
Dimensions



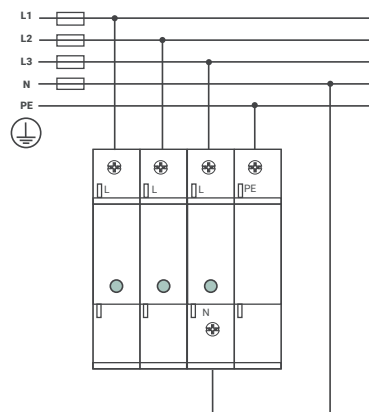
Electrical diagrams



Wiring



Do not install on lines without NEUTRAL (N) or protective earth (PE).



Do not install on lines without protective earth (PE). In the case of three-phase lines WITHOUT NEUTRAL, the earth connection (PE) must be installed at the neutral (N) terminal.

Technical specifications

GENERAL		V2T-12,5/50SG	V3T-12,5/50SG
	Rated voltage U_n	230 VAC (L/N)	230 VAC (L/N) 400 VAC (L/L)
	Maximum voltage U_c	275 VAC (L/N) 255 VAC (N/PE)	
	Frequency	50-60 Hz	
	Maximum terminal cross-section	35 mm ²	
	Upstream protective fuse	160 A gL	
	Environmental limits	-40 ° +80 °C / 80%	
	Protection	IP20	
	Mounting	Rail DIN 35	
	N° of DIN modules	2	4
OVERVOLTAGE	Standards	2014/35/UE (LVD) 2014/30/UE (EMC) 2011/65/UE (RoHS)	
	Dimensions (width x height x depth)	36 x 95 x 66 mm	72 x 95 x 66 mm
	Average weight approx.	275 g	565 g

OVERVOLTAGE	Level protection U_p	≤1.5 kV
	Impulse current (10/350 μs) I_{imp} (L-N / N-PE)	12.5 kA / 50 kA
	Maximum discharge current (8/20 μs) I_{max} (L-N / N-PE)	60 kA / 100kA
	Rated discharge current (8/20μs) I_n (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

○ Description

Protection module against transient overvoltages caused by atmospheric discharges, switching operations in electrical circuits, and electrostatic discharges.

○ Operation

In the event of a transient overvoltage, the device absorbs it by diverting it to earth (PE), thus preventing any damage to the equipment connected to the mains. If, due to an overvoltage, the protection becomes inoperative, the green indicator LED will switch off. In such case, the protection module will have become unusable and must be replaced with another one, plug-in and easy to replace.

Check the standards that our products comply with and download their declaration of conformity at:
toscano.es/standards

