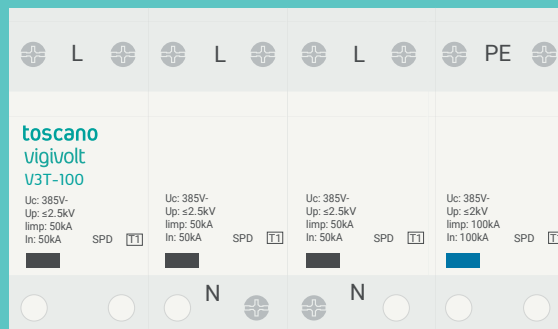


VxT-100

Transient surge protective device (SPD)
with risk of direct lightning strike.
Type 1.
Spark gap.



WARNING!

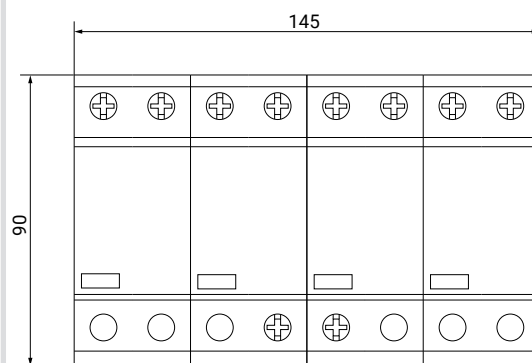
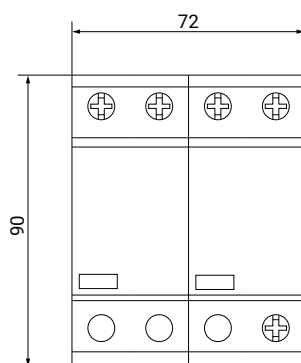
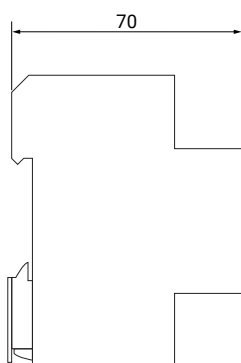
- The installation, maintenance and eventual replacement of this device must only be carried out by a qualified electrician.
- This device must not be repaired.
- All applicable local, regional and national regulations must be complied with during the installation, use, maintenance and replacement of 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

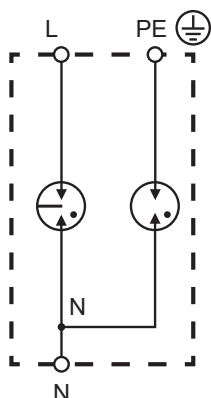
- Turn off all power supplying this device before working on it.
- Use a voltage tester on an appropriate range to verify that all live conductors are not energized.
- Failure to follow these instructions will result in death or serious injury.

Dimensions

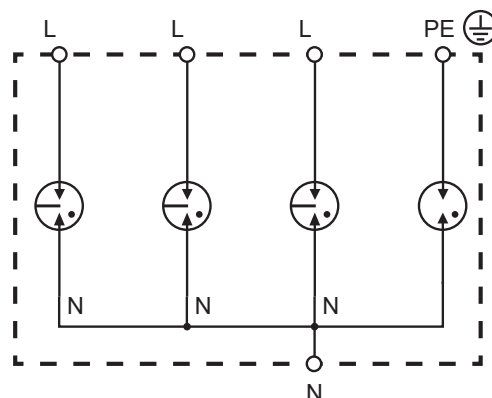


Electrical diagrams

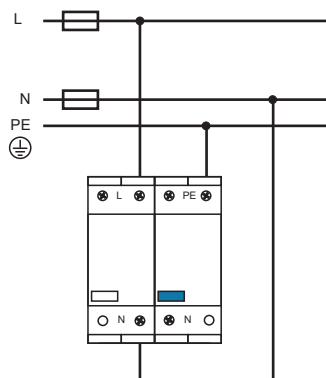
V2T-100



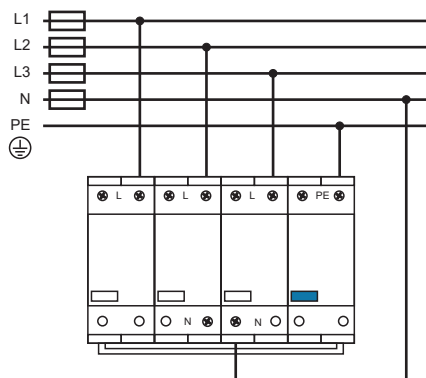
V3T-100



Wiring



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



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

Technical specifications

	V2T-100	V3T-100
GENERAL	Rated voltage U_n (L-N)	230 VAC
	Maximum voltage U_c (L-N)	385 VAC
	Frequency	50-60 Hz
	Maximum terminal cross-section	35 mm ²
	Tightening torque	2.5 Nm
	Upstream protective fuse	500 A gG
	Environmental limits	-40 °C +80 °C / 95% R.H.
	Protection	IP20
	Mounting	Rail DIN 35
	N° of DIN modules	4
OVERVOLTAGE	Dimensions (width x height x depth)	72 x 90 x 70 mm
	Approx. average weight	485 g
	Approx. packed weight	525 g
	Level protection U_p (L-N / N-PE)	≤ 2.5 kV / ≤ 2 kV
	Maximum discharge current (8/20 μ s) I_{max} (L-N / N-PE)	100 kA / 100 kA
	Rated discharge current (8/20 μ s) I_n (L-N / N-PE)	50 kA / 100 kA
	Impulse current (10/350 μ s) I_{imp} (L-N / N-PE)	50 kA / 100 kA
COMPLIANCE	Overvoltage response time	≤ 100 ns
	Type	1
	Directives	2014/35/UE (LVD) 2014/30/UE (EMC) 2011/65/UE (RoHS)
	Standard	IEC/EN 61643-11

Description

In the event of a transient overvoltage, the device limits 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 device will turn off the indicator window, normally green. In such case, the protection module will have become unusable and must be replaced with another one. It is necessary to install a Type 2 protector downstream of this device.

Scan for more
information:

