



WARNING!

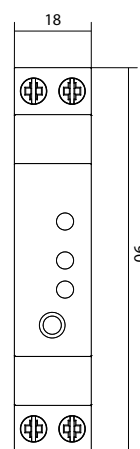
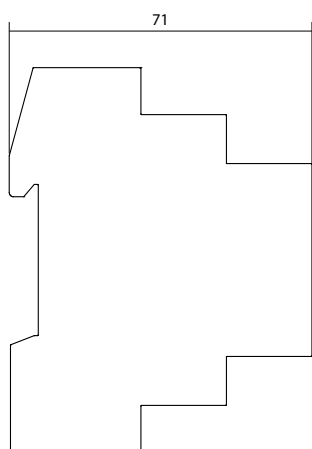
- The installation, maintenance and eventual replacement of this device must only be carried out by a qualified electrician.
- This device must not be repaired.
- All applicable local, regional and national regulations must be complied with during the installation, use, maintenance and replacement of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



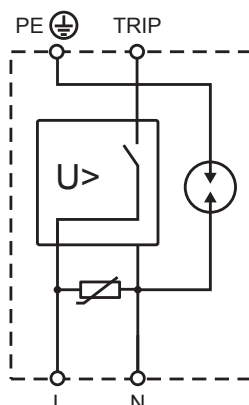
HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- 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 comply with these instructions may result in serious injury or even death.

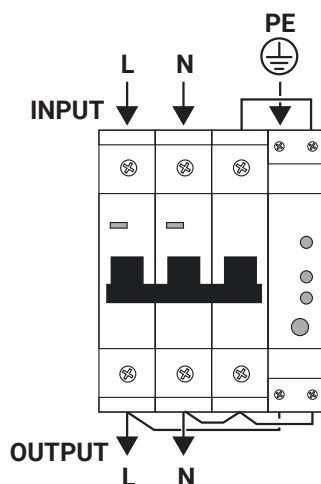
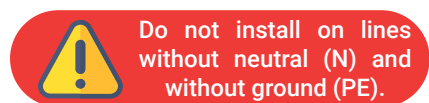
Dimensions



Electrical diagrams



Wiring



Technical specifications

GENERALS	Rated voltage U_n (L-N)	240 VAC
	Frequency	50-60 Hz
	Consumption	0,3 W
	Maximum terminal cross-section	6 mm ²
	Environmental limits	-20° +70° C / 80% H.R.
	Protection	IP20
	Mounting	Rail DIN 35
	N° of DIN modules	1
	Standards	2014/35/UE (LVD) 2014/30/UE (EMC) 2011/65/UE (RoHS)
	Dimensions (width x height x depth)	18 x 90 x 71 mm
	Average weight approx.	66 g
PERM.	Disconnection voltage	265 VAC $\pm 2\%$
	Overvoltage response time	according to UNE-EN50550/63052
TRANS.	Level protection U_p	$\leq 1,5$ kV
	Maximum discharge current (8/20 μ s) I_{max}	12,5 kA
	Type	2

○ Description

Protection device against permanent overvoltages caused by increases in the mains voltage, in single-phase installations.

It also protects against transient overvoltages caused by lightning strikes or switching operations in the network.

○ Operation

The device continuously measures the voltage in the installation and detects any increase above 10% of the nominal voltage. If such an anomaly is detected, it acts on the shunt trip coil of the MCB (Main Circuit Breaker). The response time will depend on the level of overvoltage detected (according to the specifications of UNE-EN50550 standard). The device will become operational again once the MCB is manually reset, provided that the voltage is within its nominal values.

In the event of a transient overvoltage, the device diverts it to ground, mitigating possible damage to devices connected to the network.

Three indicators show the device status:

 **(Red) Steady:** Indicates wear of the transient protection. Replace with a new device.

 **(Green) Flashing:** System operating correctly and device in monitoring mode.

 **(Red) Flashing:** Indicates that the installation voltage has exceeded the trip level and the time delay before tripping is in progress. If during this time the voltage returns to normal, it will switch to "device in monitoring mode". **Steady:** An overvoltage has occurred, and if it remains lit, it indicates that the device is incorrectly connected or there is a fault in the assembly formed by the MCB and the shunt trip coil.

A test push button located on the front of the device allows verification of correct operation by simulating an overvoltage. To activate it, it must be pressed for at least three seconds.

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

