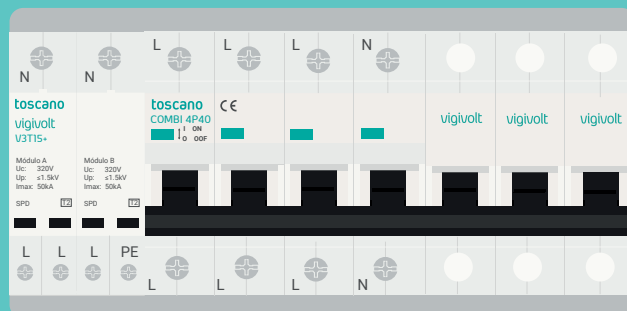
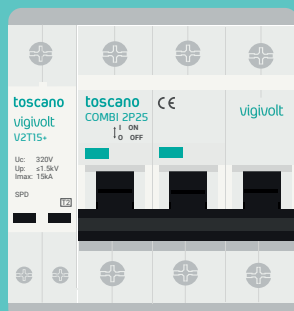




Cod. 50023691. Ed.2.26



WARNING!

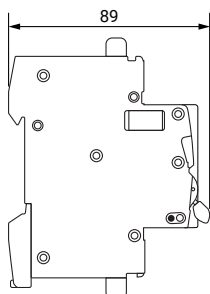
- The installation, maintenance and eventual replacement of this device must only be carried out by a qualified electrician.
- This device must not be repaired.
- All applicable local, regional and national regulations must be complied with during the installation, use, maintenance and replacement of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



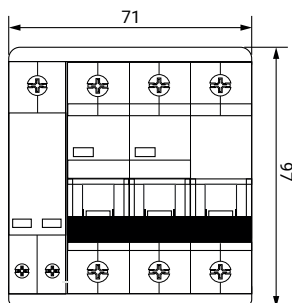
HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

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

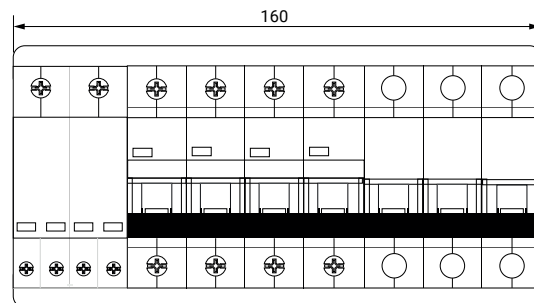
Dimensions



COMBI-2PT

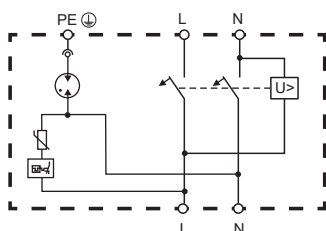


COMBI-4PT

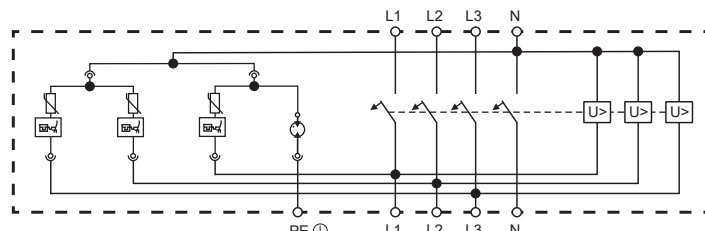


Electrical diagrams

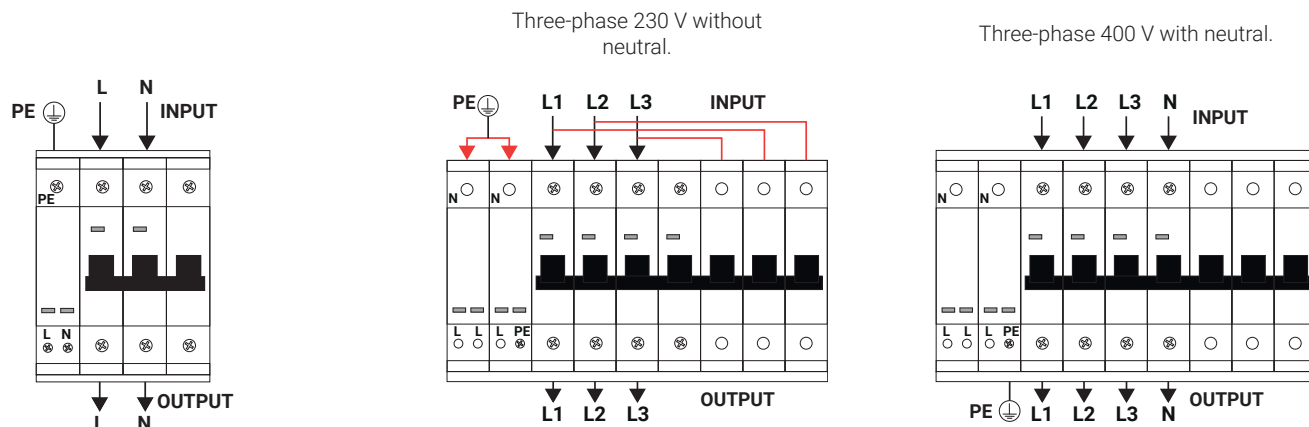
COMBI-2PT



COMBI-4PT



Wiring



Do not install on lines without neutral (N) and without ground (PE).



In the case of three-phase lines without neutral, the ground (PE) must be connected to the neutral (N) terminal, the top jumper must be removed, and wiring should be done according to the instructions. Do not install on lines without ground (PE).

Technical specifications

	COMBI-2PT15	COMBI-4PT15	COMBI-2PT30	COMBI-4PT30
GENERAL	Rated voltage U_n (L-N / L-L)			
	230 VAC			
	Maximum voltage U_c (L-N / N-PE)			
	320 VAC			
	Frequency			
	50-60 Hz			
	Consumption			
	0.3W			
	Maximum terminal cross-section			
	25 mm ²			
	Tightening torque			
	2.5 Nm			
	Environmental limits			
	-20 °C +70 °C / 80% R.H.			
	Degree of protection			
	IP20			
	Mounting			
	Rail DIN 35			
	N° of DIN modules			
	4			
	9			
	Dimensions (width x height x depth)			
	71 x 97 x 89 mm			
	160 x 97 x 89 mm			
	Average weight approx.			
	435 g			
	990 g			
	Packed weight			
	480 g			
	1.050 g			
PERM.	Disconnection voltage			
	according to IEC 63052:2019			
IGA	Overvoltage response time			
IGA	Rated current (At 25 °C, ambient temperature)			
	16-20-25-32-40-50-63 A			
	Curve			
	C			
	Breaking Capacity I_{cn}			
	10 kA			
TRANSIENT	Level protection U_p (L-N / N-PE)			
	<1,5 kV			
	Maximum discharge current (8/20μs)			
	15 kA / 15 kA			
	30 kA / 60 kA			
	Rated discharge current (8/20μs)			
	In (L-N / N-PE)			
	8 kA / 10 kA			
	15 kA / 20 kA			
	Type			
	2			
	Overvoltage response time			
	≤25 ns			
COMPLIANCE	Directives			
	2014/35/UE (LVD) 2014/30/UE (EMC) 2011/65/UE (RoHS)			
	Standards			
	IEC / EN 61643-11:2012+A11:2018 IEC / EN 63052:2019			

● Operation

COMBI-PT models protect against permanent and transient overvoltages caused by lightning strikes, switching operations in electrical circuits and electrostatic overvoltages (ESD).

If as a result of an overvoltage the protection becomes inoperative, the device will display a red visual indicator. In such a case, the device must be replaced with a new one (plug-in design for easy replacement).

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

