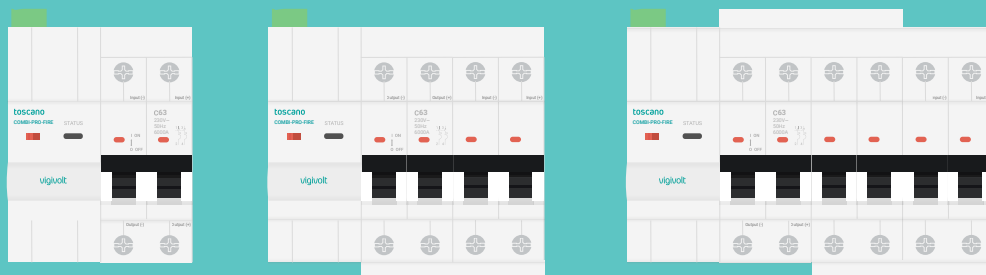


COMBI-PRO-FIRE

**String disconnect
switch for
firefighters**



Cod. 50023508. Ed.1.26



WARNING!

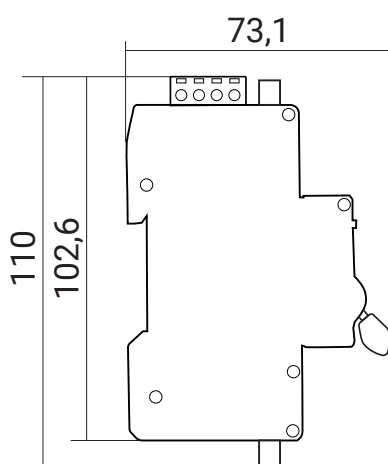
- The installation, maintenance and eventual replacement of this device must only be carried out by a qualified electrician.
- This device must not be repaired.
- All applicable local, regional and national regulations must be complied with during the installation, use, maintenance and replacement of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



HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

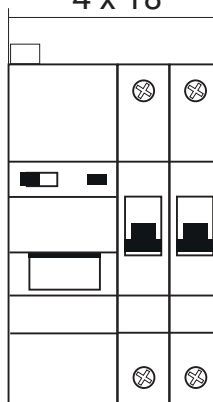
- Turn off all power supplying this device before working on it.
- Use a voltage tester with a suitable rated voltage in order to check that all active conductors aren't energized.
- Failure to follow these instructions will result in death or serious injury.

Dimensions



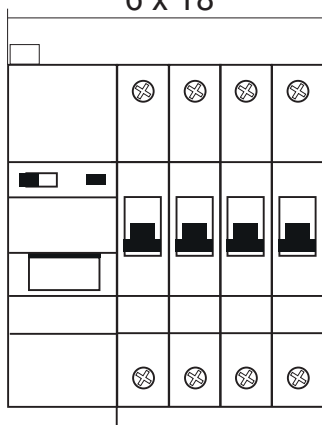
COMBI-PRO-FIRE-500

4 x 18



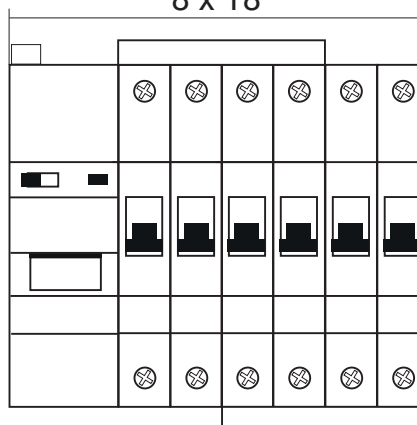
COMBI-PRO-FIRE-1000

6 x 18



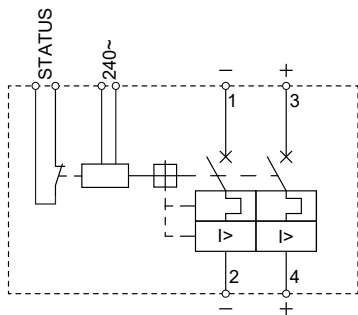
COMBI-PRO-FIRE-1500

8 x 18

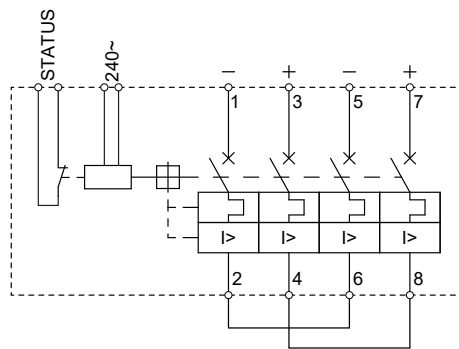


Electrical diagrams

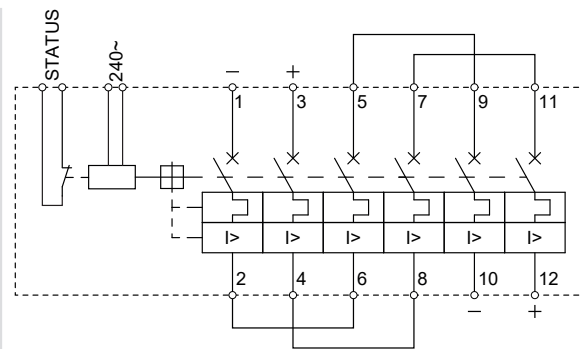
COMBI-PRO-FIRE-500



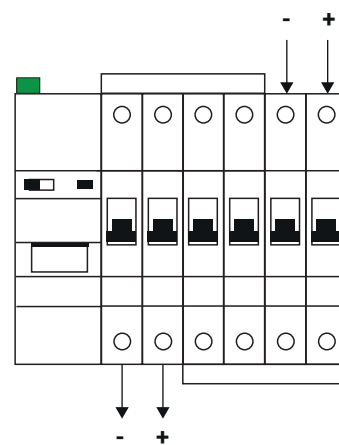
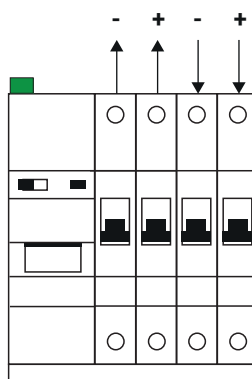
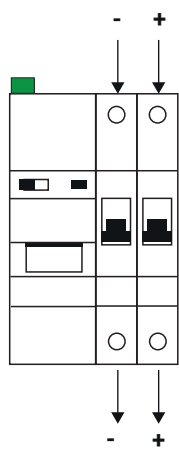
COMBI-PRO-FIRE-1000



COMBI-PRO-FIRE-1500



Wiring



Technical specifications

		COMBI-PRO-FIRE-500	COMBI-PRO-FIRE-1000	COMBI-PRO-FIRE-1500
GENERALS	Rated voltage Un	240 VAC		
	Frequency	50-60 Hz		
	Rated power consumption	1,5 W		
	Maximum terminal cross-section	25 mm² (power) / 2,5 mm² (control)		
	Environmental limits	-25º +55º C / 80% H.R.		
	Nº of DIN modules	4	6	8
	Disconnection time DC	2 s		
	Reconnection time DC	2 s		
Contact	12VAC/VDC 0,1A			
MCB-DC	Rated current In	63 A		
	Tripping curve code	C		
	Breaking Capacity (I _{cn})	10 kA		
MECHANICAL	Protection degree	IP20		
	Polution degree	2		
	Power terminal torque	2,5 Nm		
	Mounting	Rail DIN 35		
	Weight	360 g	450 g	700 g
	Dimensions (width x heigh x depth)	72 x 102,6 x 73,1 mm	108 x 110 x 73,1 mm	144 x 110 x 73,1 mm
STANDARDS	MCB-DC	UNE-EN EIC 60947-2		
	ARD	UNE-EN EIC 63024		

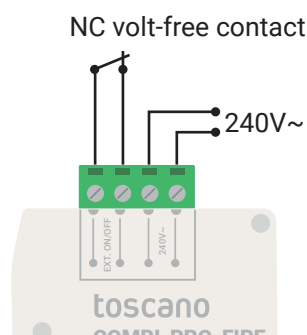
Description

COMBI-PRO-FIRE is a safety device for photovoltaic installations that **automatically disconnects** the current flow from the photovoltaic modules to the inverter in the event of a **grid failure**, if the **detected temperature exceeds 80°C**, or by **manual activation of an emergency stop button**.

Designed for the safe intervention of firefighters and maintenance personnel. Reconnection is automatic once the grid is restored or can be performed manually by deactivating the emergency stop button, ensuring efficient and uninterrupted operation.

Control terminal

For the proper operation of COMBI-PRO-FIRE, the terminals indicated as 240V~ must be supplied with 240 VAC. The external open/close control must be wired to the terminals indicated as EXT. ON/OFF. An emergency stop button, a fire control panel, or any device intended to disconnect the strings can be connected here.



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

