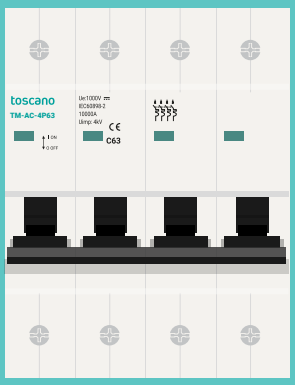
vigivolt

TMAC

Thermal-magnetic circuit breaker with overload and short-circuit protection.



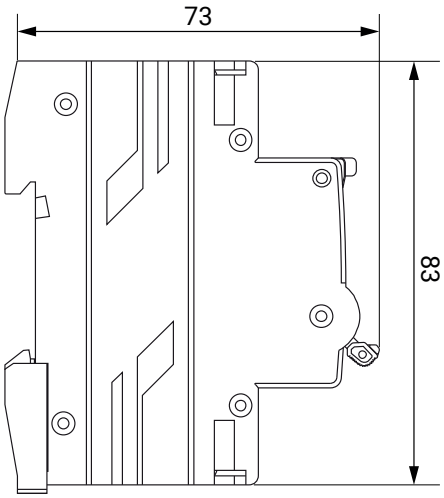
EN

USER MANUAL

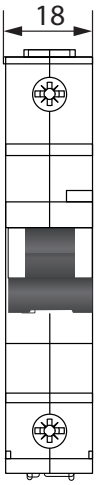
Cod. 50023787. Ed. 3.26

WARNING!	HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH
- 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".	- 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 death.

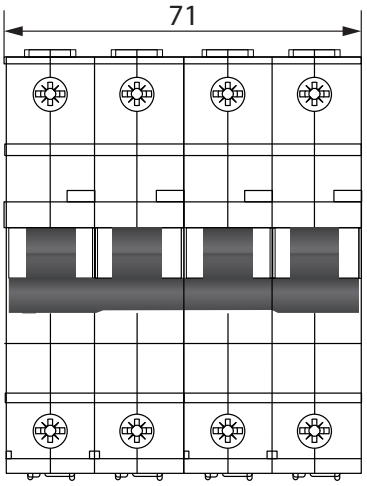
Dimensions



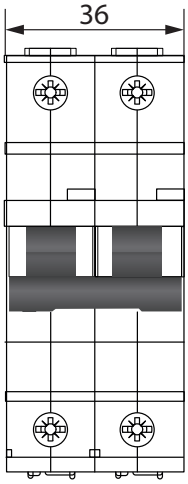
TMAC1P



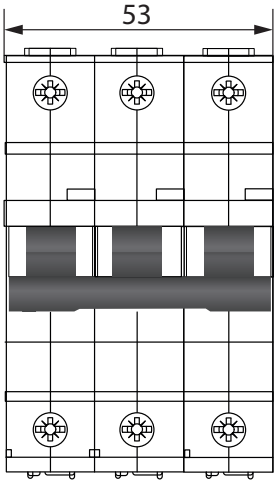
TMAC4P



TMAC2P

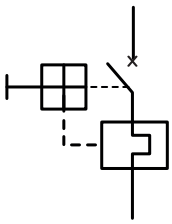


TMAC3P

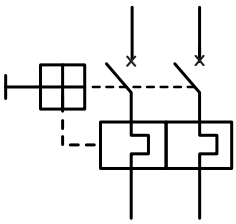


Electrical diagrams

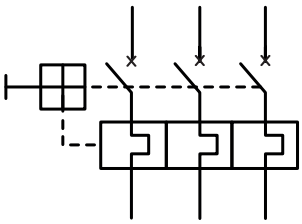
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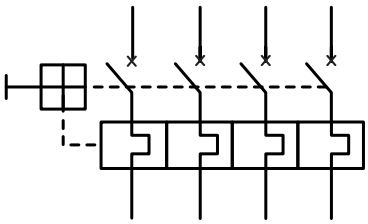
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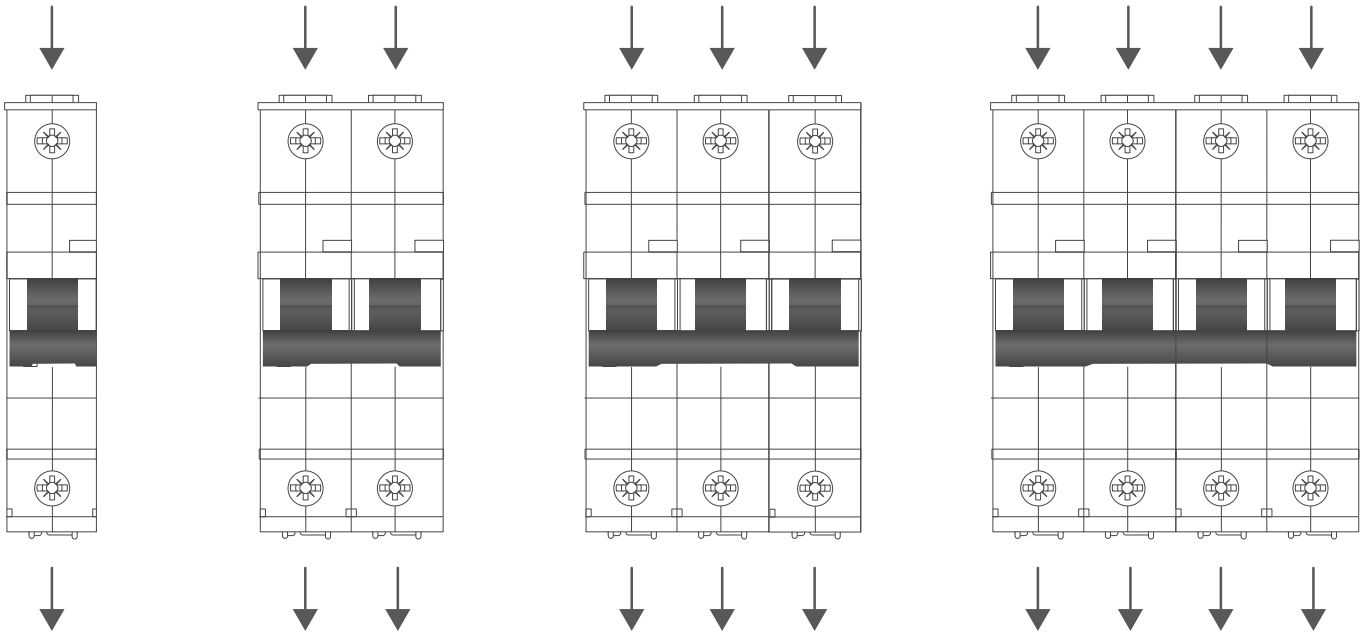
TMAC3P



TMAC4P



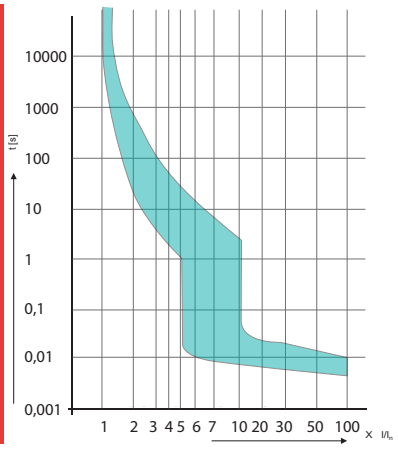
Wiring



Technical specifications

		TMAC1P	TMAC2P	TMAC3P	TMAC4P
GENERAL	Rated voltage Un (L-N / L-L)	230 VAC (L-N) / (L-L)	230 VAC / 400 VAC	230 VAC / 400 VAC	230 VAC / 400 VAC
	Frequency	50-60 Hz			
	Tightening torque	2 Nm			
	Maximum terminal cross-section	25 mm^2			
	Environmental limits	-5º +40º C / 93% R.H.			
	Protection	IP20			
	Mechanical indicator	Yes			
	Electrical and mechanical life	20000 cycles			
	Mounting	Rail DIN 35 by means of fast clip device			
	Nº of DIN modules	1	2	3	4
	Dimensions (width x height x depth)	18 x 88 x 73 mm	36 x 88 x 73 mm	53 x 88 x 73 mm	71 x 88 x 73 mm
	Average weight approx.	105 g	220 g	305 g	450 g
	Approx. packed weight	195 g	250 g	350 g	480 g
ELECTRICAL	Rated current In	10 / 16 / 20 / 25 / 32 / 40 / 50 / 63 A			
	Nº of poles	1	2	3	4
	Energy limiting class	3			
	Insulation voltage Ui	500 V			
	Rated impulse withstand voltage Uimp	4 kV			
	Thermal-magnetic tripping curve	C			
	Rated breaking capacity Icn	6 kA			
	Rated operating short circuit breaking capacity (Ics)	6 kA			
COMPLIANCE	Directives	2014/35/UE (LVD) 2014/30/UE (EMC) 2011/65/UE (RoHS)			
	Standards	IEC 60898-1			

TRIPPING CURVE



Operation

TMAC circuit breakers protect circuits against short-circuit currents and overload currents. They are used in domestic installations, as well as in industrial and commercial electrical distribution systems.

Cod. 50023787. Ed. 3.26

Scan for more information:

toscano

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