



## &gt; PROTECTION OF POWER SUPPLY LINES

## &gt; SERIE ATCONTROL COMPACT

## &gt; ATCONTROL COMPACT PT-M

Self-reclosing protector against transient and permanent overvoltage and undervoltage for single-phase power supply lines



## PERMANENT OVERVOLTAGES

**ATCONTROL COMPACT PT-M** protector actuates when detecting a temporary overvoltage, triggering an internal relay.

The warning system for permanent overvoltages consists in 2 luminous indicators: green (correct power supply) and red (overvoltage). It has a test button to check that the installations have been executed correctly.

## TRANSIENT OVERVOLTAGES

**ATCONTROL COMPACT PT-M** protector also actuates when detecting a transient overvoltage driving the current to earth and reducing the voltage to a level that does not damage the connected equipment.

Tested and certified as **Type 2** protector in **official and independent laboratories**, according to regulations IEC 61643-11 and GUÍA-BT-23 from REBT. Suitable for Categories I, II, III and IV equipments according to the ITC-BT-23 from REBT.

It is provided with a thermodynamic control device that disconnects from the electrical network in case of degrading and a warning system. When the warning is yellow the enclosure is in good shape. If not, replace.

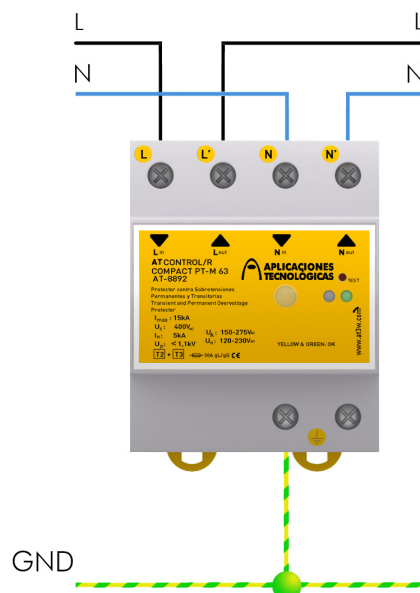


**Connection to earth is a must.** Earthing in the whole installation must be bonded either directly or by a spark gap and resistance should be lower than 10  $\Omega$ . If the indications on this datasheet are not fulfilled during use or installation of the protectors, the protection provided by this device could be compromised.

## &gt; INSTALLATION

Installation should be made without power in the line.

They must be installed in **series** with the low voltage supply line, connected to line, neutral and ground.





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## &gt; TECHNICAL DATASHEET

		ATCONTROL/R COMPACT PT-M 25 AT-8894	ATCONTROL/R COMPACT PT-M 40 AT-8893	ATCONTROL/R COMPACT PT-M 63 AT-8892
Reference:				
Nominal current:		25 A	40 A	63 A
Nominal voltage:	U <sub>n</sub>	230 V <sub>AC</sub>		
Maximum overvoltage:	U <sub>c</sub>	400 V <sub>AC</sub>		
Actuation voltage:	U <sub>a</sub>	275 V <sub>AC</sub>		
Actuation time:		@275V <sub>AC</sub> -> 3-5s / @400V <sub>AC</sub> -> 0,1-0,2s @200V <sub>AC</sub> -> 3-5s / @80V <sub>AC</sub> -> 0,1-0,2s		
Type of tests according to UNE- EN 61643-11:		Type 2		
Nominal discharge current (8/20µs wave):	I <sub>n</sub>	5 kA		
Maximum discharge current (8/20µs wave):	I <sub>max</sub>	15 kA		
Protection level for 1,2/50µs wave:	U <sub>p</sub>	1,1 kV		
Mechanic life:		10 <sup>5</sup> (180 times/min)		
Electric life:		60A 250V <sub>AC</sub> 10 <sup>3</sup> (resistive load, frequency: 15s ON, 45s OFF)		
Dimensions:		72 x 90 x 80 mm (4 mod. DIN43880)		
Cable range:		Sección mínima / máxima: 2,5 / 35mm <sup>2</sup>		
Certified test according to regulations: UNE-EN 61643-11, UNE-EN 50550 Relevant standards: UNE 21186, UNE-EN 62305				