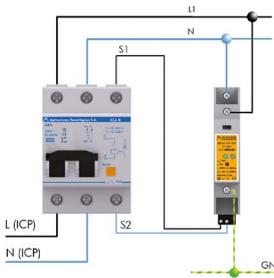




> KIT ATCONTROL/B series

> KIT ATCONTROL/B PT-M 1DIN

Complete kit including self-configurable single-phase permanent and transient overvoltage protector, shunt release and circuit breaker



> PERMANENT OVERVOLTAGES

ATCONTROL/B 1DIN series protectors trip the connected shunt release (S1, S2) when they detect a permanent overvoltage. The shunt release causes the circuit breaker to trip, protecting the equipment installed downstream.

The warning system for permanent overvoltages consists of two luminous indicators: green (correct power supply) and red (overvoltage). It has a test button to check that installation has been executed correctly.

> TRANSIENT OVERVOLTAGES

The **ATCONTROL/B 1DIN** protectors also actuate when they detect 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 standard UNE-EN 61643-11 and GUÍA-BT-23 from the REBT. Suitable for **categories I, II, III and IV** equipment according to the ITC-BT-23 from the REBT.

It has a thermodynamic control device that disconnects from the electrical network in case of deterioration, and also a warning system for transient overvoltages. When the warning light is red, replace protector.

> INSTALLATION

They must be installed **in parallel** with the low voltage supply line, downstream from the circuit breaker included in the kit, and connected to line, neutral and ground. Installation should be carried out **without power running through the line**.

The circuit breaker must be installed **in series** with the low voltage line, between the power control breaker (ICP) and the residual current breaker (ID). Connect the S1 and S2 terminals, always without voltage, to the shunt release included in the kit.

This protector is self-configurable. It automatically detects the voltage and programmes the permanent overvoltage limits.

> TECHNICAL DATASHEET

Reference:	KIT ATCONTROL/B PT-M 1DIN (6 / 10 / 16 / 20 / 25 / 32 / 40 / 50 / 63)									
	AT-8887	AT-8888	AT-8889	AT-8890	AT-8891	AT-8883	AT-8884	AT-8885	AT-8886	
Nominal current:	6 A	10 A	16 A	20 A	25 A	32 A	40 A	50 A	63 A	
Nominal voltage:	U_n	120 or 230 V _{AC}								
Maximum overvoltage:	U_c	400 V _{AC}								
Actuation voltage:	U_a	150 or 275 V _{AC}								
Actuation time:		@150 V _{AC} → 3 - 5 s / @230 V _{AC} → 0.1 - 0.2 s @275 V _{AC} → 3 - 5 s / @400 V _{AC} → 0.1 - 0.2 s								
Nominal voltage for the shunt release:		110 - 415 V _{AC} / 110 - 250 V _{AC}								
Maximum short-circuit current:		6 kA								
Test type according to UNE-EN61643-11:		Type 2								
Protection categories according to the REBT:		I, II, III, IV								
Nominal discharge current (8/20 μs wave):	I_n	5 kA								
Maximum discharge current (8/20 μs wave):	I_{max}	15 kA								
Protection level (wave 1.2/50 μs):	U_p	1.1 kV								
Dimensions:		18 x 90 x 80 mm (1 module DIN 43880)								
Dimensions MCB+ shunt release:		51 x 81 x 65 mm (3 modules DIN 43880)								
MCB cable range:		Minimum / Maximum section: 1.5 / 25 mm ²								
Coil cable range:		Minimum / Maximum section: 1.5 / 2.5 mm ² (single-stranded) or 4 mm ² (multi-stranded)								
Protector cable range:		Maximum section: 6 mm ²								

Tests certified according to standards: UNE-EN 50550, UNE-EN 61643-11, UNE-EN 60898

Relevant standards: UNE 21186, NF C 17-102, IEC 62305