



> KIT ATCONTROL/R series

> KIT ATCONTROL/R P(T)-M 1 DIN

Complete kit including self-reclosing single-phase permanent and transient overvoltage protector and contactor



> PERMANENT OVERVOLTAGES

ATCONTROL/R P-M 1DIN series protectors actuate when they detect a permanent overvoltage, tripping the connected contactor (normally open) (S1, S2). This contactor disconnects the line, thus protecting any equipment installed downstream. When the permanent overvoltage comes to a halt, the protector reconnects the contactor.

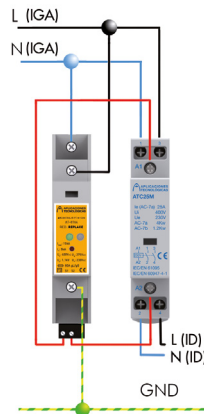
The warning system for permanent overvoltages consists of two luminous indicators: green (correct power supply) and red (overvoltage). It has a test button to check that installation has been executed correctly.

> TRANSIENT OVERVOLTAGES

The **ATCONTROL/R PT-M 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 a **type 2** protector in **official and independent laboratories** according to standards UNE-EN 61643-11 and GUÍA-BT-23 from the REBT. Appropriate for category I, II, III and IV equipment according to REBT (ITC-BT-23).

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 the protector.



> INSTALLATION

It is to be installed **in parallel** with the low voltage supply line, downstream from the main circuit breaker (IGA), connected to lines, neutral and ground. The contactor should be installed **in series** with the low voltage supply line, downstream from the protector. Installation should be carried out without power in the line.

Connect the S1 and S2 terminals to the contactor, always without voltage.

> TECHNICAL DATASHEET

		KIT ATCONTROL/R P-M 1DIN 20 AT-8767	KIT ATCONTROL/R P-M 1DIN 63 AT-8768	KIT ATCONTROL/R PT-M 1DIN 20 AT-8769	KIT ATCONTROL/R PT-M 1DIN 63 AT-8771
Reference:					
Nominal current:		Up to 20 A	Up to 63 A	Up to 20 A	Up to 63 A
Nominal voltage:	U_n	230 V _{AC}			
Maximum overvoltage:	U_c	400 V _{AC}			
Actuation voltage:	U_a	275 V _{AC}			
Actuation time:		@275 V _{AC} → 3 - 5 s / @400 V _{AC} → 0.1 - 0.2 s			
Test type according to UNE-EN61643-11:			-		Type 2
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
Contactor dimensions:		18 x 81 x 65 mm (1 module DIN 43880)	36 x 81 x 65 mm (2 modules DIN 43880)	18 x 81 x 65 mm (1 module DIN 43880)	36 x 81 x 65 mm (2 modules DIN 43880)
Dimensions:		18 x 90 x 80 mm (1 module DIN 43880)			
Contactor cable range:		Minimum / Maximum section: 1 / 6 mm ²	Minimum / Maximum section: 1 / 16 mm ²	Minimum / Maximum section: 1 / 6 mm ²	Minimum / Maximum section: 1 / 16 mm ²
S1, S2 cable range:		Minimum / Maximum section: 1 / 2.5 mm ²			
Protector cable range:		Minimum / Maximum section: 1 / 6 mm ²			

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

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