



> KIT ATCONTROL/B D series

> KIT ATCONTROL/B PT-T D

Complete kit including self-configurable three-phase permanent and transient overvoltage protector, shunt release and D curve circuit breaker.



> PERMANENT OVERVOLTAGES

ATCONTROL/B PT-T 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.

case of deterioration, and also a warning system for transient overvoltages. When the warning is yellow, the protector is in good condition. If not, replace.

> 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 lines, neutral and ground. Installation should be carried out without power in the line.

> TRANSIENT OVERVOLTAGES

ATCONTROL/B PT-T 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. Suitable for categories I, II, III and IV equipment according to ITC-BT-23 from the REBT.

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.

It has a thermodynamic control device that disconnects from the electrical network in

> TECHNICAL DATASHEET

		KIT ATCONTROL/B PT-T (63 / 80 / 100 / 125) D			
Reference:		AT-8796	AT-8797	AT-8798	AT-8799
Nominal current:		63 A	80 A	100 A	125 A
Nominal voltage:	U_n	120 or 400 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			
Maximum short-circuit current:		10 kA			
Test type according to UNE-EN61643-11:		Type 2			
Nominal discharge current (8/20 μs wave):	I_n	15 kA			
Maximum discharge current (8/20 μs wave):	I_{max}	40 kA			
Protection level (wave 1.2/50 μs):	U_p	1.4 kV			
Dimensions:		72 x 90 x 80 mm (4 modules DIN 43880)			
Dimensions MCB+ shunt release:		124 x 81 x 65 mm (7 modules DIN 43880)			
MCB cable range:		Minimum / Maximum section: 1.5 / 35 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:		Minimum / Maximum section: 2.5 / 35 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