

ATCONTROL/B P(T)-T PLUS

COMPLETE KIT WHICH INCLUDES THREE-PHASE PROTECTOR COMBINED OVERVOLTAGES AND UNDERVOLTAGES, SHUNT RELEASE AND MAIN CIRCUIT BREAKER

PERMANENT OVERVOLTAGES AND UNDERVOLTAGES

ATCONTROL/B series protector actuate triggering the contact shunt release (S1, S2) whenever it detects a permanent overvoltage. The shunt release causes the disconnection of the Main Circuit Breaker (MCB) associated, protecting the equipments installed downstream.

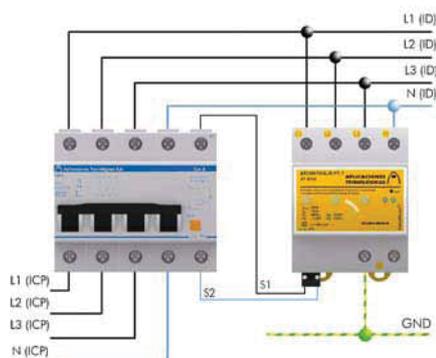
The warning system for permanent overvoltages consists in 2 luminous indicators: green (correct power supply) and red (overvoltage). It has a test button to check that the installations have been executed correctly.

TRANSIENT OVERVOLTAGES

ATCONTROL/B protector works as well whenever it detects 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.



Installation

They must be installed in parallel with the Low Voltage supply line, downstream from the MCB included in the kit, with connections to the neutral, phase and earth. It is provided with a double terminal in order to facilitate its installation. Installation should be made without power in the line.

MCB 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 the power turned off to the shunt release that actuates on the MCB.

Technical Datasheet

Reference	KIT ATCONTROL/B PT-T PLUS (25 / 32 / 40 / 50 / 63)				
	AT-8776	AT-8777	AT-8778	AT-8779	AT-8780
Nominal current:	25A	32A	40A	50A	63A
Nominal voltage:	U_n	230V _{AC}			
Maximum overvoltage:	U_c	400V _{AC}			
Nominal frequency:	50Hz				
Actuating voltage:	U_A	265-280V _A / 195-2810V _{AC}			
Actuating time:	@275V _{AC} → 3-5s / @400V _{AC} → 0,1-0,2s ; @200V _{AC} → 3-5s / @80V _{AC} → 0,1-0,2s				
Nominal voltage for the shunt release:	110-415V _{AC} / 110-250V _{DC}				
Maximum short-circuit current:	10kA				
Type of tests according to IEC 61643-11:	Type 2				
Protection categories according to REBT:	I, II, III, IV				
Nominal discharge current (8/20μs wave):	I_n	15kA			
Maximum discharge current (8/20μs wave):	I_{max}	40kA			
Protection level for I_n 8/20μs wave:	$U_p (I_n)$	1,8kV			
Protection level for 1,2/50μs wave:	U_p	1,4kV			
Response time:	t_r	< 25ns (L-N) / < 100ns (N-T)			
Protector dimensions:	72 x 90 x 80mm (4 mod. DIN43880)				
Dimensions MCB + Shunt release:	88 x 81 x 65mm (5 mod. DIN43880)				
MCB cable range:	Min / Max section 1,5 / 35mm ²				
Coil cable range:	Min / Max Section 1,5 / 2,5mm ² (single-stranded) or 4mm ² (multi-stranded)				
Minimum wiring section:	4mm ²				
Certified test according to regulations: IEC 61643-11, EN 60898, EN 50550					
Relevant standards: UNE 21186, NFC 17102, IEC 62305					