

KIT ATCONTROL/B PT-M

COMPLETE KIT WHICH INCLUDES SINGLE-PHASE PROTECTOR COMBINED AGAINST PERMANENT AND TRANSIENT OVERVOLTAGES, SHUNT RELEASE AND MAIN CIRCUIT BREAKER



PERMANENT OVERVOLTAGES

ATCONTROL/B series protectors 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), 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 also actuates 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.

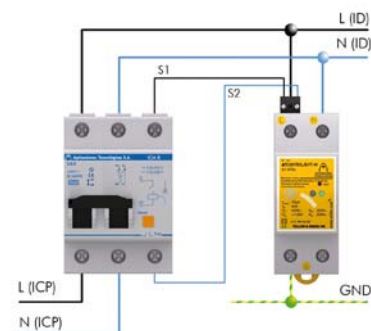
It is provided with a thermodynamic control device that disconnects from the electrical network in case of degrading and a warning system. When the warning is yellow the enclosure is in good shape. If not, replace.

Installation

They must be installed **in parallel** with the Low Voltage supply line, downstream from the MCB included on the kit, connected to line, neutral and ground. It has a double connector to facilitate the 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-M (25 / 32 / 40 / 50 / 63)				
	AT-8711	AT-8712	AT-8713	AT-8714	AT-8715
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 _{AC}			
Actuating time:	@275V _{AC} → 3-5s / @400V _{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	4kA			
Maximum discharge current (8/20μs wave):	I_{max}	15kA			
Protection level for I_n 8/20μs wave:	$U_p (I_n)$	1,5kV			
Protection level for 1,2/50μs wave:	U_p	1,1kV			
Response time:	t_r	< 25ns (L-N) / < 100ns (N-T)			
Protector dimensions:	36 x 90 x 80mm (2 mod. DIN43880)				
Dimensions MCB + Shunt release:	51 x 81 x 65mm (3 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					

KIT ATCONTROL/B PT-M

Technical Datasheet

Reference		KIT ATCONTROL/B PT-M (6 / 10 / 16 / 20)			
		AT-8723	AT-8724	AT-8725	AT-8726
Nominal Current:		6A	10A	16A	20A
Nominal voltage:	U_n	230V _{AC}			
Maximum overvoltage:	U_c	400V _{AC}			
Nominal frequency:		50Hz			
Actuating voltage:	U_A	265-280V _{AC}			
Actuating time:		265-280V _{AC} ≤ 3,5s / 280-400V _{AC} ≤ 0,5s			
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	4kA			
Maximum discharge current (8/20μs wave):	I_{max}	15kA			
Protection level for I_n 8/20μs wave:	$U_p (I_n)$	1,5kV			
Protection level for 1,2/50μs wave:	U_p	1,1kV			
Response time:	t_r	< 25ns (L-N) / < 100ns (N-T)			
Protector dimensions:		36 x 90 x 80mm (2 mod. DIN43880)			
Dimensions MCB + Shunt release:		51 x 81 x 65mm (3 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					
Relevant standards: UNE 21186, NFC 17102, IEC 62305					