



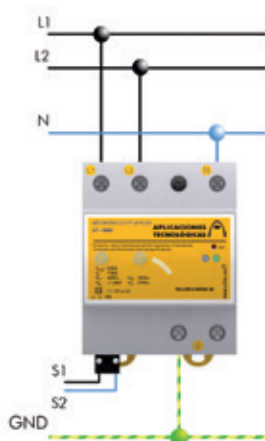
ATCONTROL/LP P(T)-B PLUS



> **ATCONTROL/LP P(T)-B PLUS:** Two-phase protector combined against any permanent (and transient) overvoltage and undervoltage.

PERMANENT OVERVOLTAGES

ATCONTROL/LP T-B PLUS protector has a voltage-free contact activated whenever it detects a permanent overvoltage or undervoltage. 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/LP PT-B PLUS 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

Installation should be made without power **in the line**. They must be installed **in parallel** with the Low Voltage supply line connected to line, neutral and ground. Connect the S1 and S2 terminals to the element to be activated.

> TECHNICAL DATASHEET

Reference:		ATCONTROL/LP P-B PLUS AT-8879	ATCONTROL/LP PT-B PLUS AT-8880
Nominal voltage:	U _n	230V _{AC}	
Maximum overvoltage:	U _c	400V _{AC}	
Nominal frequency:		50Hz	
Actuating time:		@275V _{AC} -> 3-5s / @400V _{AC} -> 0,1-0,2s @200V _{AC} -> 3-5s / @80V _{AC} -> 0,1-0,2s	
Type of tests according to IEC 61643-11:		-	Type 2
Nominal discharge current (8/20µs wave):	I _n	-	15kA
Maximum discharge current (8/20µs wave):	I _{max}	-	40kA
Protection level for (1,2/50µs wave):	U _p	-	1,4kV
Response time (ns):	t _r	-	< 25 (L-N) / < 100 (N-GND)
Backup fuses ¹⁾ :		-	80A gL/gG
Dimensions:		72 x 90 x 80mm (4 mod. DIN43880)	
Wiring section S1, S2:		1,5mm²	
Wiring section:		Minimum / Maximum 2,5 / 35mm²	
Voltage free-contact			
Maximum current:		3A	

Certified test according to regulations: EN 50550, IEC 61643-11

Relevant standards: UNE 21186, NFC 17102, IEC 62305

(1) Needed in cases where there is no equal or less nominal current installed "upstream" from the protector.