

KIT ATCONTROL/R P(T)-T

SELF-RECLOSING PROTECTOR AGAINST TEMPORARY AND TRANSIENT OVERVOLTAGES FOR THREE-PHASE POWER SUPPLY LINES

TEMPORARY OVERVOLTAGES

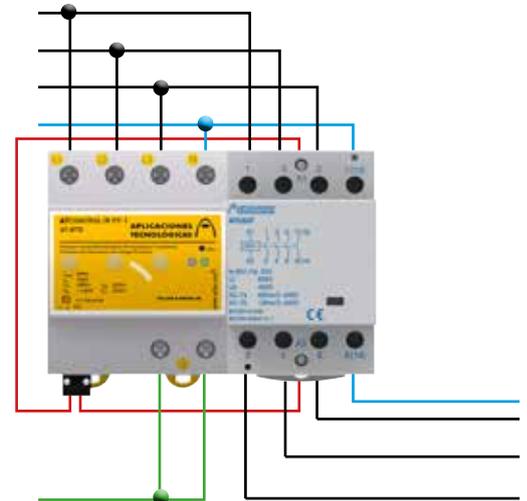
ATCONTROL/R P protectors actuate when detecting a temporary overvoltage, triggering the connected contactor (S1, S2). This contactor disconnects the line thus protecting down-stream installed equipment. When the permanent overvoltage ceases, the protector reconnects the contactor. The temporary overvoltage warning system is formed by 2 light indicators: green (correct power supply) and red (overvoltage). It is provided with a test button for checking if the installation has been properly made.

TRANSIENT OVERVOLTAGES

ATCONTROL/R PT protectors actuate also when detecting a transient overvoltage, diverting the current to the earthing 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 the standard UNE-EN 61643-11 and the Spanish Electrical Code REBT (ITC-BT-23). Appropriate for Category I, II, III and IV equipment according to REBT (ITC-BT-23). It is provided with a thermodynamic device for disconnection from the network in case of degradation and a transient overvoltage warning system. If the warning window is not yellow then the protector should be replaced.

Installation

The protector should be installed in parallel with the low-voltage, down-stream from the associated MC B, with connections between phases and neutral to the earth. The contactor should be installed down-stream from the protector. Installation should be made without power in the line. Connect S1 and S2 (always with the power off) to contactor



Technical Datasheet

		KIT ATCONTROL/R P-T 25	KIT ATCONTROL/R P-T 63	KIT ATCONTROL/R PT-T 25	KIT ATCONTROL/R PT-T 63
Reference:		AT-8752	AT-8753	AT-8754	AT-8755
Nominal current:		Up to 25A	Up to 63A	Up to 25A	Up to 63A
Nominal Voltage:	U_n	230 V _{AC}			
Maximum overvoltage:	U_c	400 V _{AC}			
Actuating time for temporary overvoltages:		@ 275 V _{AC} → 3-5s / @ 400 V _{AC} → 0,1-0,2s			
Actuating time for undervoltages:		Less than 180 V → 3-5s			
Test type according to UNE-EN 61643-11:		-			Type 2
Maximum current (8/20 μs wave):	I_n	-			15 kA
Maximum current (8/20 μs wave):	I_{max}	-			40 kA
Protection level (1,2/50 μs wave):	U_p	-			1,4 kA
Contactor dimensions:		36 x 81 x 65mm (2 mod. DIN43880)	54 x 81 x 65mm (3 mod. DIN43880)	36 x 81 x 65mm (2 mod. DIN43880)	54 x 81 x 65mm (3 mod. DIN43880)
Protector dimensions:		72 x 90 x 80mm (4 mod. DIN43880)			
Cable range:		Minimum / Maximum section: 2,5 / 35mm ²			

Certified tests according to the standards: UNE-EN 50550, UNE-EN 61643-11

Relevant standards: UNE 21186, UNE-EN 62305