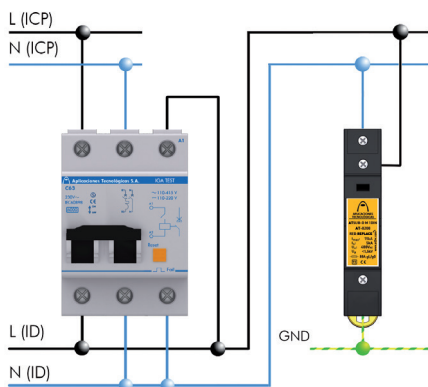
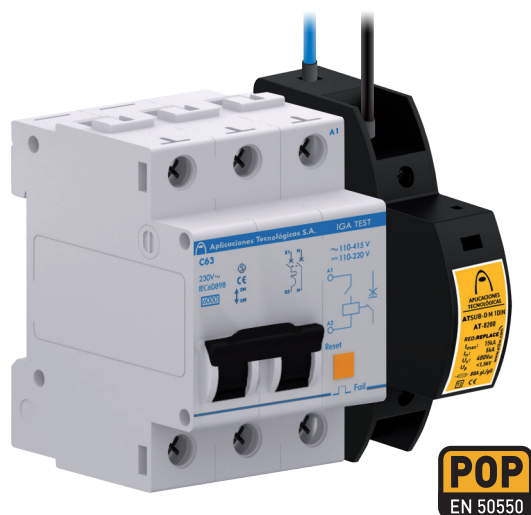




## &gt; IGA TEST SUB series

## &gt; IGA TEST SUB M

Single-phase permanent and transient overvoltage prewired protector with integrated miniature circuit breaker



This overvoltage protector is composed of an **IGA TEST** series permanent overvoltage protector plus a prewired **ATSUB-D M** transient overvoltage protector.

## &gt; PERMANENT OVERVOLTAGES

**IGA TEST** series protectors cut off the power supply when they detect a permanent overvoltage (for example, a fault in the neutral), thus protecting the equipment installed downstream.

To restore the main circuit breaker, it is necessary to reconnect the protective coil in advance using the RESET button.

The integrated MCB is available for the most usual nominal currents: 25, 32, 40, 50 and 63 A.

## &gt; TRANSIENT OVERVOLTAGES

**ATSUB-D M 1DIN** protectors actuate when they detect a transient overvoltage, diverting 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.

It has a thermodynamic control device that disconnects from the electrical network in case of deterioration, and also a mechanical warning system. When the warning is black, the protector is in good condition. If it is red, replace.

## &gt; INSTALLATION

Installation should be carried out without power running through the line.

**IGA TEST** must be installed in series with the power supply line, with the low voltage line, between the Power Control Circuit Breaker (ICP) and the Residual Current Device (ID). The protective coil must be installed between the line and the neutral, which connects to the residual current breaker (ID).

**ATSUB-D M 1DIN** must be installed in parallel with the low voltage supply line, downstream from the **IGA TEST**.

## &gt; TECHNICAL DATASHEET

		IGA TEST SUB M 25 AT-8781	IGA TEST SUB M 32 AT-8782	IGA TEST SUB M 40 AT-8783	IGA TEST SUB M 50 AT-8784	IGA TEST SUB M 63 AT-8785
Reference:						
Nominal current:		25 A	32 A	40 A	50 A	63 A
Nominal voltage:	$U_n$	230 V <sub>AC</sub>				
Maximum overvoltage:	$U_c$	400 V <sub>AC</sub>				
Actuation voltage:	$U_a$	275 V <sub>AC</sub>				
Actuation time:		@275 V <sub>AC</sub> → 3-5 s / @400 V <sub>AC</sub> → 0,1 - 0,2s				
Test type according to UNE- EN 61643-11:		Type 2				
Nominal discharge current (8/20μs wave):	$I_n$	5 kA				
Maximum current (8/20μs wave):	$I_{max}$	15 kA				
Protection level (8/20μs wave):	$U_p(I_n)$	1,5 kV				
IGA TEST dimensions:		51 x 81 x 65 mm (3 mod. DIN43880)				
ATSUB-D M 1DIN dimensions:		18 x 90 x 80 mm (1 mod. DIN43880)				
Cable range:		Minimum / Maximum section : 1,5 / 25 mm <sup>2</sup>				
Cable range:		Minimum / Maximum section : 1,5 / 6 mm <sup>2</sup>				

Tests certified according to standards: UNE-EN 61643-11, UNE-EN 50550

Relevant standards: UNE 21186, IEC 62305