

WiAutoLink wireless electronic sectionalizer

Increase reliability and performance of overheadlines

ABB continues introducing world class innovations that enable our partners and customers to achieve power quality and reliability. WiAutoLink, complements ABB's outdoor products portfolio by including customer driven features such as multi-phase tripping capabilities and innovations such as event log & LED. With WiAutoLink you will save time, effort and costs by reducing temporary outages and improving reliability indexes.

Application

The ABB WiAutoLink electronic sectionalizer is designed for installation in overhead distribution lines to improve reliability and service continuity: it is a medium voltage electric device that automatically isolates the faulted section of the network when a permanent fault occurs.

When placed in a network in conjunction with an upstream recloser (or a reclosing breaker), the AutoLink counts the fault events and, once it reaches the preset count (1 to 4 opening operations of the recloser), it opens the circuit while it is already opened by the recloser.

The WiAutoLink drops open similar to a fuse cutout, making it easy for crew staff to readily identify fault affected overhead lines. The circuit can be restored by manually resetting the mechanical device, without the need of special tools. If a temporary fault occurs, the WiAutoLink allows the upstream recloser or breaker to clear the fault without unnecessary interruption of the circuit.

The sectionalizer is installed in interchangeable fuseholder bases identical to the one used for simple fused cutouts, available to order with the unit from ABB.



What's new

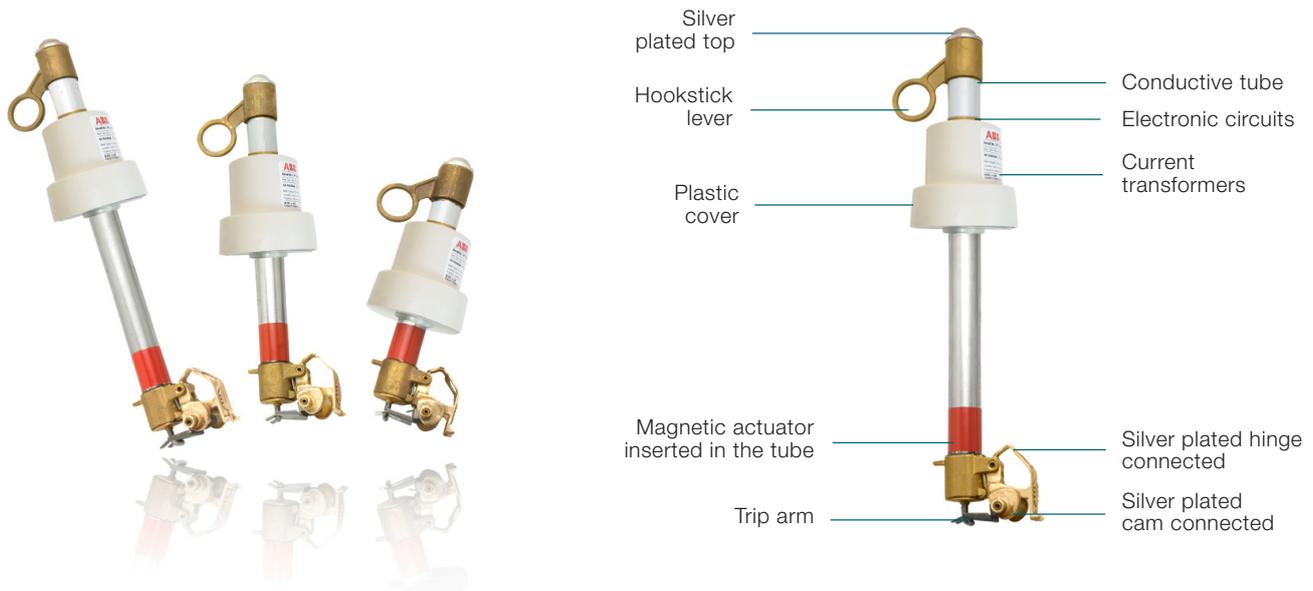
Introducing new technology: the WiAutoLink sectionalizer enables customer to configure the actuating current and number of counts, through an embedded USB port providing flexibility to the user.

In addition, wireless communication allows customers to use the WiAutoLink to perform one, two or three-phase simultaneous operations on a very economic and reliable way.

Benefits

- Field configurable and resettable as many times as needed in flexible steps.
- Single-, bi- or three phase configuration.
- Event log.
- Startup LED blinking to ensure readiness.
- Detects and discriminates inrush current, in different percentages of second harmonic ratios.
- 'One kV rating fits all' design minimizes inventory.
- Prevents temporary faults from causing outages.
- Trip arm reset with no tools required.
- Does not require an auxiliary power source.
- Upgradeable firmware capability by user.

Single-phase WiAutoLink wireless electronic sectionalizer



Technical specifications

Model	Dim	Dim		
		WiAutoLink-15	WiAutoLink-27	WiAutoLink-38
Nominal current	A		200	
Rated maximum voltage	kV	15.5	27.0	38.0
Rated frequency	Hz	50 / 60	50 / 60	50 / 60
Actuating current range	A	Resettable between 5 and 200 A in steps of 1A.		
Number of opening counts	-	Resettable between 1 and 4 counts		
Inrush current detection method	-	Harmonic analysis		
Types of inrush currents detected	-	Symmetric and asymmetric		
Inrush threshold level	-	10% to 40%		
Inrush detection time	-	<1 cycles		
Dead line detection	mA	Configurable between 200 to 700		
Dead line verification time	msec	Max. 80		
Opening time single phase	sec	<0,1		
Total operation time for bi-phase or three-phase operation	sec	<0,5		
Memory resetting time	sec	Programmable between 10 and 300 seconds.		
Insulation level	kV	110	125/150 (*)	150/170 (*)
Short-time current (1 sec)	kA sym	4		
Current (peak value)	kA	10		
Maximum distance between each unit of a three-phase set of AutoLink	m	10		
Operating temperature range (guaranteed up to 200A)	°C	-40 to +55		
Potection Class (IP)		IP68		
Certified Radio Module		FCC, IC and ETSI		
Enviromental Information		RoHS Compliant, WEEE Compliant		

* Depends on insulator used

For more information please contact:

Add your contact information

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