




## ReSTART WITH AUTOTEST

### TECHNICAL DATA

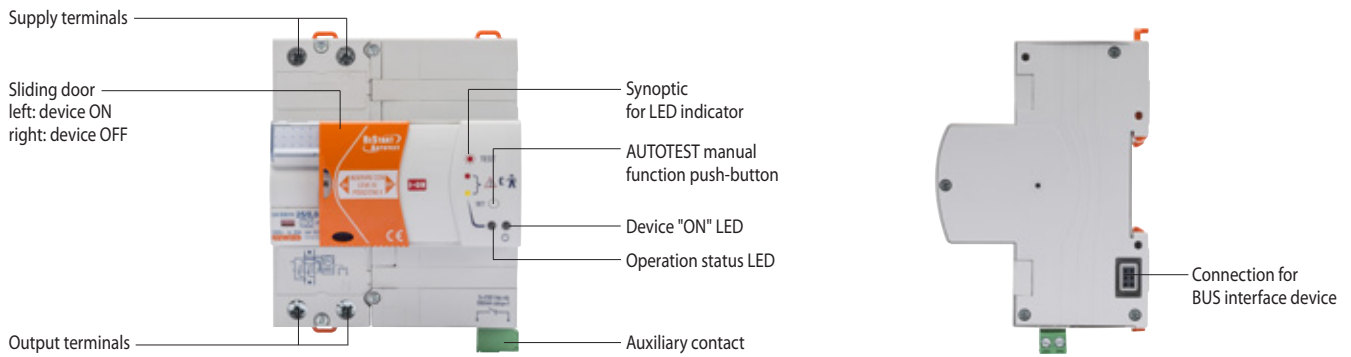
TYPE		ReSTART WITH AUTOTEST 2P	ReSTART WITH AUTOTEST PRO 2P	ReSTART WITH AUTOTEST PRO 4P
				
Electrical characteristics				
Standards:		EN 50557, EN 61008-1		
Distribution system:		TT - TN		
Rated operational voltage (Ue):		(V)	230 AC <sup>(1)</sup>	400 AC
Minimum operating voltage (min Ue):		(V)	85% Ue	
Maximum operating voltage (max Ue):		(V)	110% Ue	
Rated insulation voltage (Ui):		(V)	500	
Dielectric strength test voltage between pole and earth:		(V)	2500 AC for 1 minute	
Rated impulse withstand voltage (Uimp):		(kV)	4	
Rated frequency:		(Hz)	50	
Residual making and breaking capacity (IΔm):		(A)	630	
Rated conditional residual short-circuit current with fuse (IΔc):		(A)	10000 (gL 80A)	
Number of poles:			2	4
Type of associated residual current circuit breaker:			A[IR]	
Rated current (In):		(A)	25 - 40	25 - 40 - 63
Rated residual operating current (IΔn):		(mA)	30	30 - 300
Rated non-operating resistance between live parts and earth (Rdo):		(kΩ)	20	8 (30mA) - 2.5 (300mA)
Rated operating resistance between live parts and earth (Rd):		(kΩ)	70	16 (30mA) - 5 (300mA)
Power loss at In:		(W)	2.2 (25A) - 5.4 (40A) - 6.2 (63A)	
Off-load absorbed power:		(VA)	4 (cosφ=0.2)	
Power absorbed during automatic reclosing:		(VA)	41 (cosφ=0.5)	
Reclosing control:			automatic	
Power supply:			from above	
Mechanical characteristics				
Width in DIN modules:			5	7
Reclosing time:		(s)	10	
Autotest cycle time:		(s)	7	
Maximum operational frequency:		(oper./h)	30	
Max mechanical endurance (total no. operations):			4000	
Maximum no. of consecutive automatic reclosure operations <sup>(2)</sup> :			3	
Counter reset time no. of consecutive automatic reclosure operations:		(s)	60	
Section of circuit breaker terminals:		(mm <sup>2</sup> )	≤ 35 flexible cable - ≤ 35 rigid cable	
Rated tightening torque:		(Nm)	2	
Degree of protection:			IP20 (terminals) - IP40 (front)	
Operating temperature:		(°C)	-25 +60 <sup>(3)</sup>	
Tropicalization:			55°C - RH 95%	
Auxiliary contact characteristics				
Type of contact:			Photomos	
Operating voltage:		(V)	5-230 AC/DC	
Maximum operating current:		(mA)	100 (cosφ=1)	
Minimum operating current:		(mA)	0.6	
Operating frequency:		(Hz)	50	
Category of use:			AC12	
Operating mode:			NO / NC / NC + impulse <sup>(4)</sup>	
Terminal section:		(mm <sup>2</sup> )	≤ 2.5	
Rated tightening torque:		(Nm)	0.4	
AUTOTEST function				
Regular and automatic RCCB test:			•	•
Light signalling for autotest cycle in progress:			•	•
Light signalling for any device anomaly:			•	•
ReSTART function				
Automatic reclosure for untimely tripping:			•	•
Earth leakage check:			•	•
Continuous system check:			•	•
Interruption of reclosure operation in the event of a fault:			•	•
Signalling of reclosure operation in progress:			•	•
Light signalling of failure:			•	•
Activation / exclusion of ReSTART function:			•	•
Auxiliary contact for remote operating status access:			•	•
Internal electrical protection:			PTC	PTC

<sup>(1)</sup> Power supply 230V phase-neutral <sup>(2)</sup> In the absence of a system fault <sup>(3)</sup> Average daily temperature ≤ +35°C

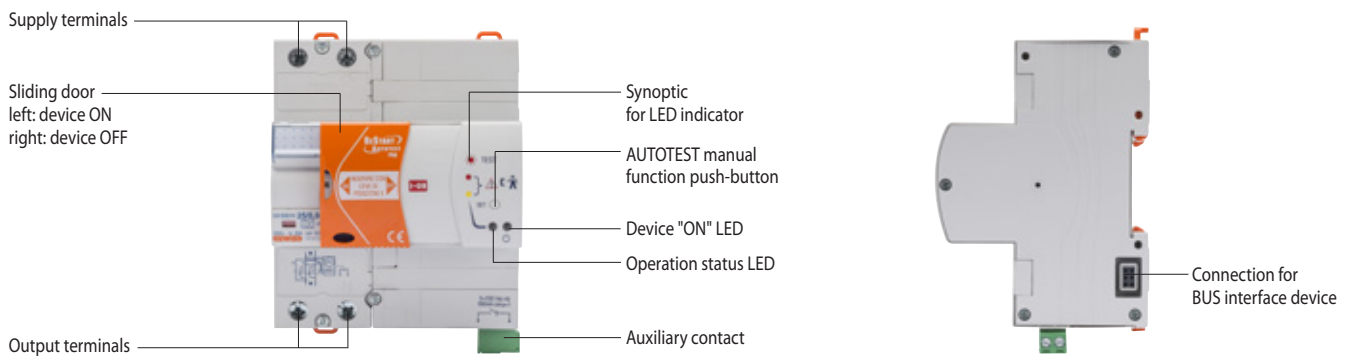
<sup>(4)</sup> Choosing NC + impulse option, auxiliary contact switches for 100ms at the end of each cycle of Autotest carried out successfully.

## DEVICE DESCRIPTION

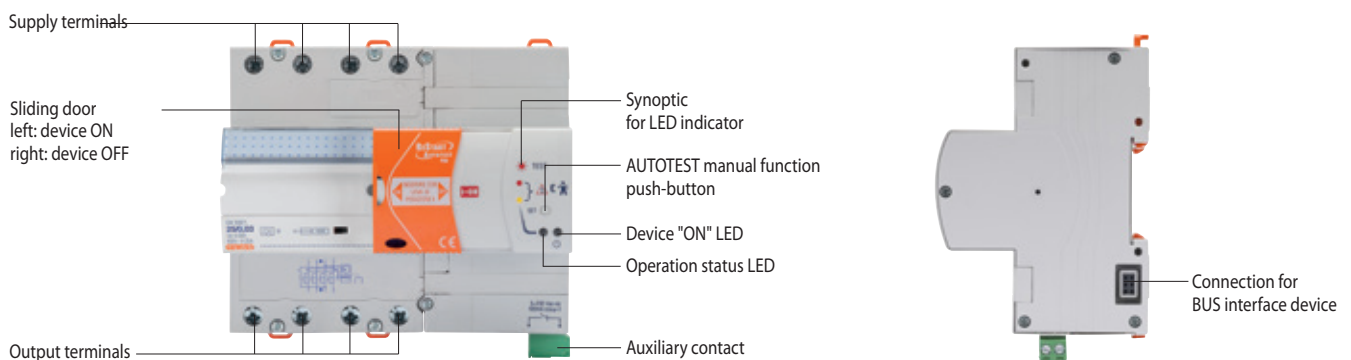
### ReSTART WITH AUTOTEST 2P



### ReSTART WITH AUTOTEST PRO 2P



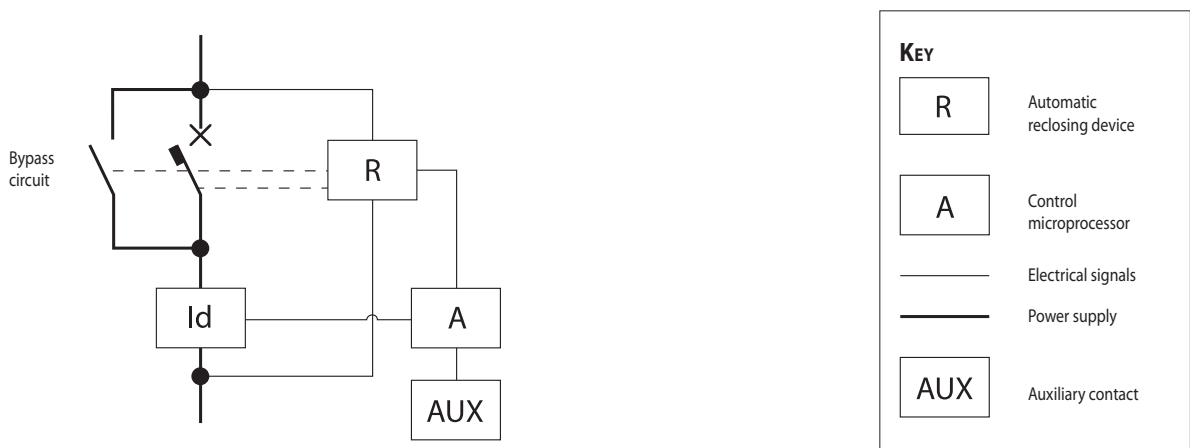
### ReSTART WITH AUTOTEST PRO 4P



AUTOTEST FUNCTION

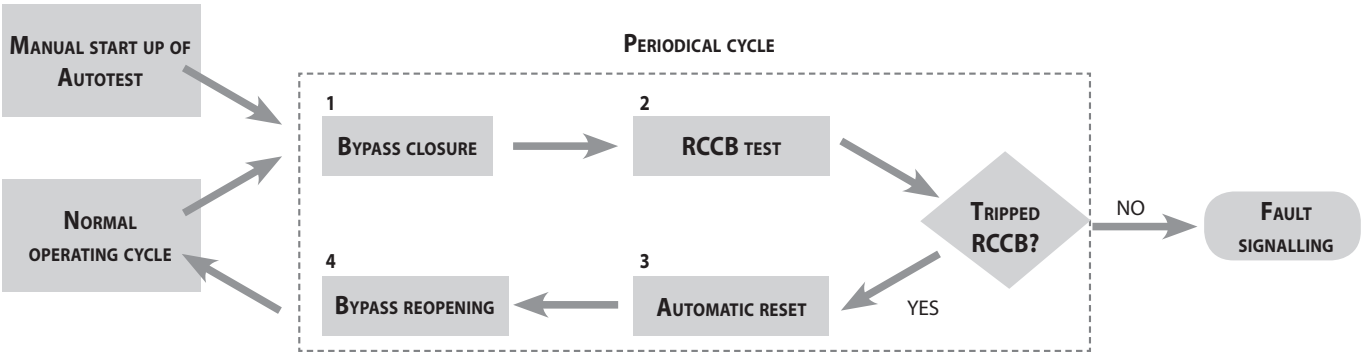
The AUTOTEST function periodically tests the working of the residual current circuit breaker protection. During the test, a bypass circuit ensures electrical continuity meanwhile an additional RCCB protection device guarantees system safety. The automatic reclosing device ensures the automatic resetting of the lever of circuit breaker in ON position. Moreover, pressing the button on the front of the device at any time, Autotest immediately carries out an automatic test on the RCCB without interrupting the power supply. This means test can be carried out during normal day-to-day operations without any inconvenience.

ELECTRICAL DIAGRAM



PERIODICAL TEST FUNCTION

After installation, it is possible to start up the AUTOTEST function manually (pressing the appropriate button) in order to check if the wiring is correct and to synchronise the periodical test function.



## ReSTART WITH AUTOTEST LIGHT SIGNALLING

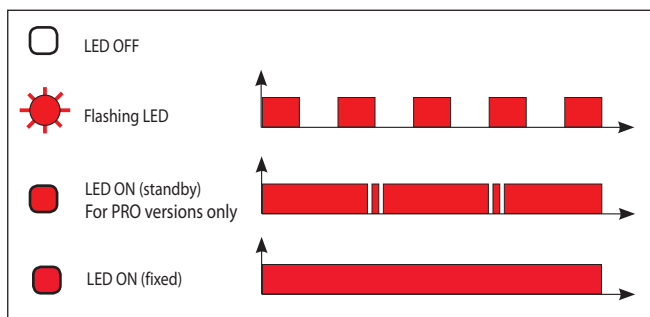
ReSTART with AUTOTEST is equipped with two LEDs on the front which show the operation conditions of device. Precisely, the right LED is switched on when the device is activated whereas the left LED shows the operation conditions.

ReSTART conditions	ReSTART front	Lever position	LED indicators			Description
			Left LED	Right LED	Aux contact	
MANUAL OPERATION						
Deactivated		I			OFF	Reset and autotest device <b>OFF</b>
Deactivated for over 15 minutes		I			ON	Reset and autotest device <b>OFF</b>
Deactivated		0			OFF	Reset and autotest device <b>OFF</b>
AUTOMATIC OPERATING CYCLE <sup>(*)</sup>						
Normal operation		I			OFF	Reset and autotest device ON Automatic functions ON
Electric circuit check		0			OFF	Reset and autotest device in <b>electric system insulation check condition</b>
System failure		0			ON	Reset and autotest device in <b>block condition</b> due to system fault For PRO versions only, reset and autotest device in <b>standby condition</b> due to system fault
Periodic AUTOTEST		I/O			OFF	<b>Electric circuit check in progress</b> <b>Electric system supplied</b>
Device failure		I			ON	Reset and autotest device <b>not working</b> Call a technician for replacement
Device failure		0			ON	Reset and autotest device <b>not working</b> Call a technician for replacement

<sup>(\*)</sup> before sliding the plastic cover to the left to activate the device, it is necessary to set the circuit breaker in the "I" position.

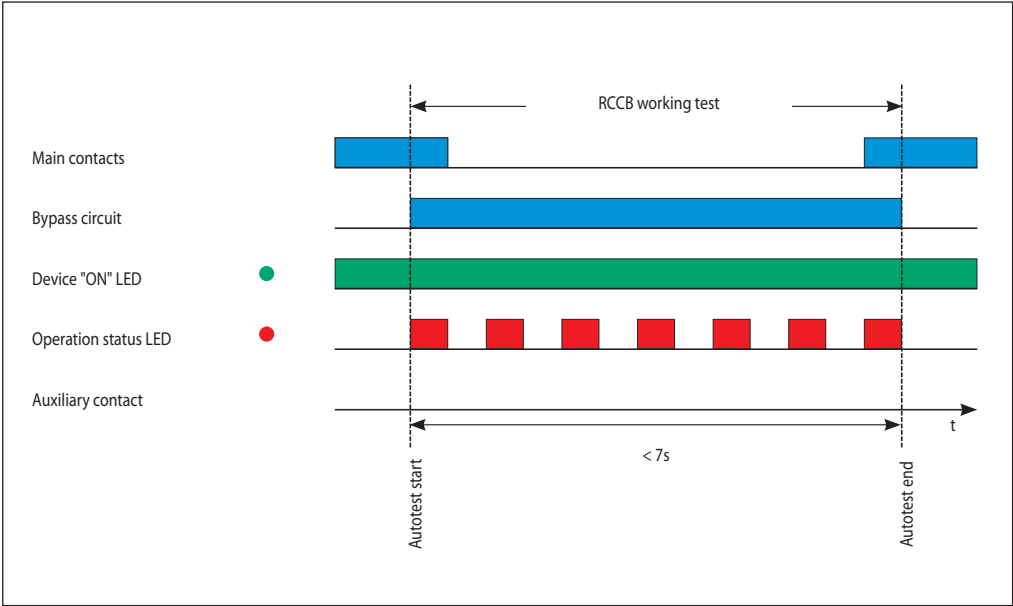
NOTE: ReStart device can be in block condition (red led fixed) after 4 following trips too (t≤60s after previous trip).

### KEY

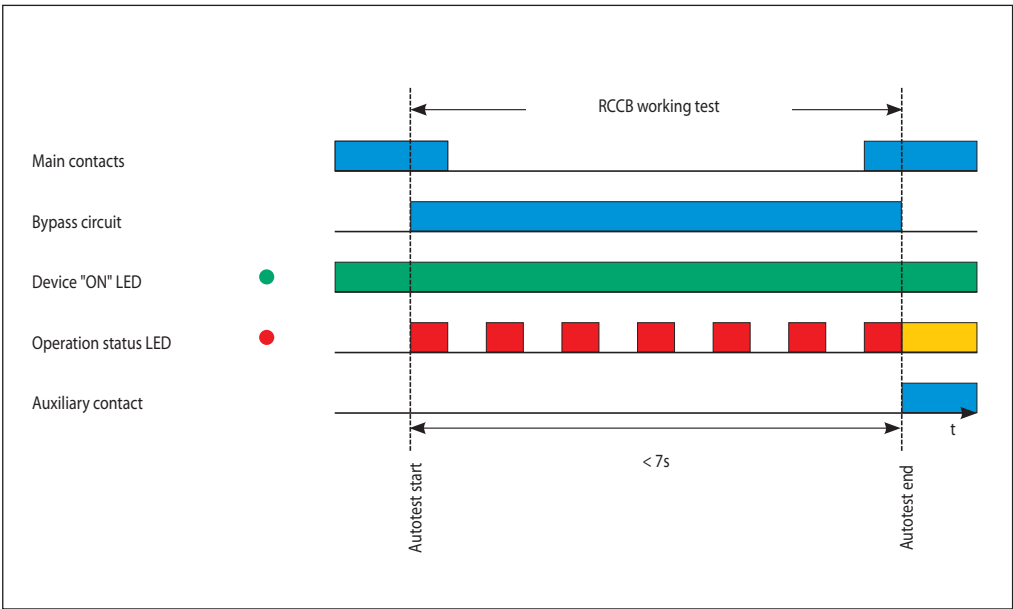


ReSTART WITH AUTOTEST OPERATION CONDITIONS

AUTOTEST FUNCTION WITH POSITIVE RESULT



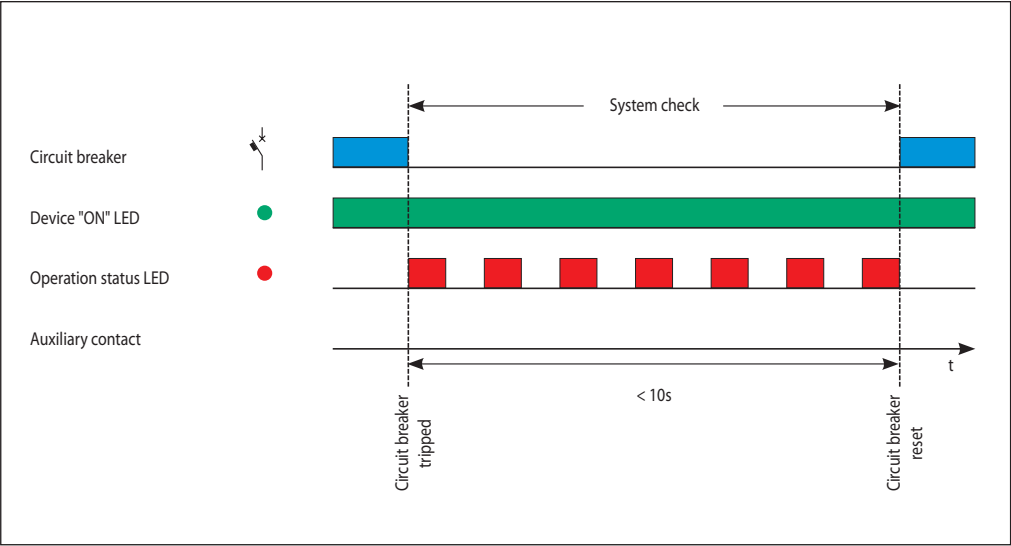
AUTOTEST FUNCTION WITH NEGATIVE RESULT



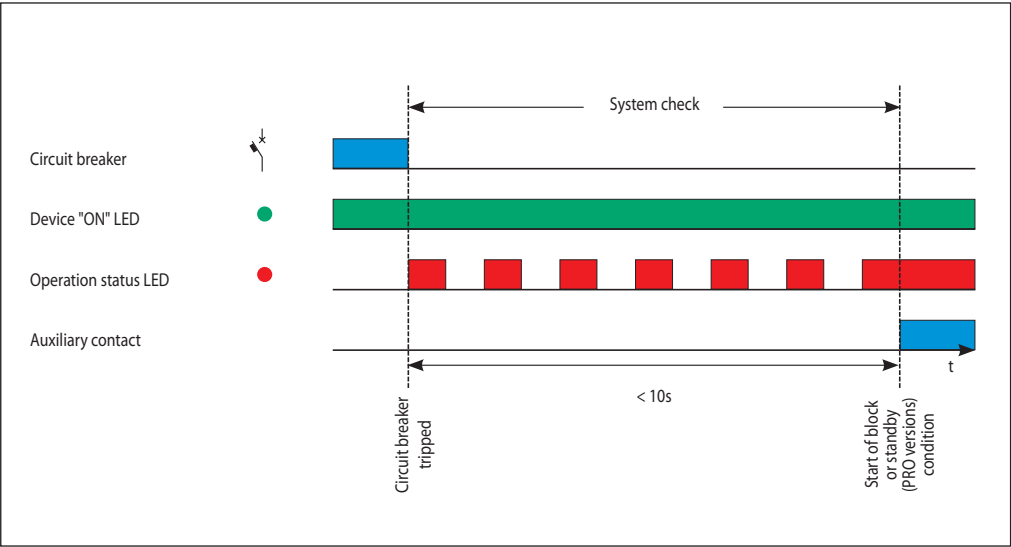
KEY

- Closed circuit
- Device ON
- Test in progress
- Anomaly of device

ReSTART FUNCTION WITH POSITIVE RESULT



ReSTART FUNCTION WITH NEGATIVE RESULT






KEY

- Closed circuit
- Device ON
- System check in progress
- Device block

## ReSTART Rd

### TECHNICAL DATA

TYPE	ReSTART Rd 2P	ReSTART Rd PRO 2P	ReSTART Rd PRO 4P
			
Electrical characteristics			
Standards:	EN 50557, EN 61008-1		EN 50557
Distribution system:	TT - TN		
Rated operational voltage (Ue):	(V)	230 AC <sup>(1)</sup>	
Minimum operating voltage (min Ue)	(V)	85% Ue	
Maximum operating voltage (max Ue):	(V)	110% Ue	
Rated insulation voltage (Ui):	(V)	500	
Dielectric strength test voltage between pole and earth:	(V)	2500 AC for 1 minute	
Rated impulse withstand voltage (Uimp):	(kV)	4	
Rated frequency:	(Hz)	50	
Residual making and breaking capacity (IΔm):	(A)	IΔm of the associated circuit breaker	
Rated conditional residual short-circuit current with fuse (IΔc):	(A)	IΔc of the associated circuit breaker	
Number of poles:		2	4
Type of SD RCCB:		A - A[IR]	A - A[IR] - A[S]
Rated current (In):	(A)	25 - 40 - 63	25 - 40 - 63 - 80 - 100
Rated residual operating current (IΔn):	(mA)	30	30 - 300 - 500
Rated non-operating resistance between live parts and earth (Rdo):	(kΩ)	20	8 (30mA) - 2.5 (100/300/500mA)
Rated operating resistance between live parts and earth (Rd):	(kΩ)	70	16 (30mA) - 5 (100/300/500mA)
Power loss at In:	(W)	Power loss of the associated circuit breaker	
Off-load absorbed power:	(VA)	0	17 (cosφ=0.2)
automatic reclosing:	(VA)	18 (cosφ=0.5)	45 (cosφ=0.5)
Reclosing control:		automatic	
Mechanical characteristics			
Width in DIN modules:		2 (ARD) + 2 (RCCB)	3 (ARD)
Reclosing time:	(s)	90	10
Maximum operational frequency:	(oper./h)	15	30
Max mechanical endurance (total no. operations):		1000	4000
Maximum no. of consecutive automatic reclosure operations <sup>(2)</sup> :		3	
Counter reset time no. of consecutive automatic reclosure operations:	(s)	180	60
Section of circuit breaker terminals:	(mm <sup>2</sup> )	≤ 35 flexible cable <sup>(3)</sup> - ≤ 35 rigid cable	
Rated tightening torque:	(Nm)	2	
Degree of protection:		IP20 (terminals) - IP40 (front)	
Operating temperature:	(°C)	-5 +40	-25 +60 <sup>(4)</sup>
Tropicalization:		55°C - RH 95%	
Auxiliary contact characteristics			
Type of contact:		-	Photomos
Operating voltage:	(V)	-	5-230 AC/DC
Maximum operating current:	(mA)	-	100 (cosφ=1)
Minimum operating current:	(mA)	-	0.6
Operating frequency:	(Hz)	-	50
Category of use:		-	AC12
Operating mode:		-	NO/NC/INTERMITTENT
Terminal section:	(mm <sup>2</sup> )	-	≤ 2.5
Rated tightening torque:	(Nm)	-	0,4
ReSTART function			
Automatic reclosure for untimely tripping:		•	•
Earth failure test:		•	•
Earth leakage check:		•	•
Interruption of reclosure operation in the event of a fault:		•	•
Signalling of reclosure operation in progress:		•	•
Light signalling of failure:		•	•
Activation / exclusion of ReSTART function:		•	•
Auxiliary contact for remote operating status access:		•	•
Internal electrical protection:		PTC	PTC

<sup>(1)</sup> Power supply 230V phase-neutral






<sup>(2)</sup> In the absence of a system fault

<sup>(3)</sup> ≤ 25mm<sup>2</sup> for 4-pole versions in 3 modules

<sup>(4)</sup> Average daily temperature ≤ +35°C

## ReSTART Rm

### TECHNICAL DATA

TYPE	ReSTART Rm 2P	ReSTART Rm PRO 2P	ReSTART Rm PRO 4P	Rm TOP	CM
					
Electrical characteristics					
Standards:	EN 50557, EN 61009-1		EN 50557	-	-
Distribution system:	TT - TN			TT - TN - IT <sup>(1)</sup>	TT-TN-IT
Rated operational voltage (U <sub>e</sub> ):	(V)	230 AC <sup>(2)</sup>			
Minimum operating voltage (min U <sub>e</sub> ):	(V)	85% U <sub>e</sub>			
Maximum operating voltage (max U <sub>e</sub> ):	(V)	110% U <sub>e</sub>			
Rated insulation voltage (U <sub>i</sub> ):	(V)	500			
Dielectric strength test voltage between pole and earth:	(V)	2500 AC for 1 minute			
Rated impulse withstand voltage (U <sub>imp</sub> ):	(kV)	4			
Rated frequency:	(Hz)	50			
Residual making and breaking capacity (I <sub>Δm</sub> ):	(A)	I <sub>Δm</sub> of the associated circuit breaker			
Number of poles:	2		4		
Type of MDC RCBO:	A - A[IR]	A - A[S]	AC - A - A[IR] - A[S]	AC - A - A[IR] - A[S]	
Type of MT+BD RCBO:	-	-	-	AC - A - A[IR] - A[S]	
Rated current (I <sub>n</sub> ):	(A)	from 6 to 32		from 1 to 63	
Rated residual operating current (I <sub>Δn</sub> ):	(mA)	30	30 - 300	30 - 300 - 500 - 1000	
Rated non-operating resistance between live parts and earth (R <sub>do</sub> ):	(kΩ)	20	8 (30mA) - 2.5 (300mA)	8 (30mA) - 2.5 (300/500/1000mA)	-
Rated operating resistance between live parts and earth (R <sub>d</sub> ):	(kΩ)	70	16 (30mA) - 5 (300mA)	16 (30mA) - 5 (300/500/1000mA)	-
Rated non-operating resistance between live parts (R <sub>cco</sub> ):	(Ω)	0.8		0.3	-
Rated operating resistance between live parts (R <sub>cc</sub> ):	(Ω)	1.3		1.8	-
Power loss at I <sub>n</sub> :	(W)	Power loss of the associated circuit breaker			
Off-load absorbed power:	(VA)	0	17 (cosφ=0.2)	16 (cosφ=0.2)	15 (cosφ=0.1)
automatic reclosing:	(VA)	18 (cosφ=0.5)		30 (cosφ=0.6)	30 (cosφ=0.6)
Reclosing control:	automatic			automatic / remote <sup>(3)</sup>	remote <sup>(3)</sup>
Mechanical characteristics					
Width in DIN modules:	2 (ARD) + 2 (RCBO)		3 (ARD)	4 (ARD)	2 (ARD)
Reclosing time:	(s)	90	10	3 (without system test) 10 (with system test)	3
Remote control opening time:	(s)	-	-	2	
Maximum operational frequency:	(oper./h)	15		30	
Max mechanical endurance (total no. operations):		1000	4000	10000	
Maximum no. of consecutive automatic reclosure operations <sup>(4)</sup> :		3			-
Counter reset time	(s)	180	60		-
no. of consecutive automatic reclosure operations:		180	60		-
Section of circuit breaker terminals:	(mm <sup>2</sup> )	≤ 35 flexible cable - ≤ 35 rigid cable			
Rated tightening torque:	(Nm)	2			
Degree of protection:		IP20 (terminals) - IP40 (front)			
Operating temperature:	(°C)	-5 +40		-25 +60 <sup>(5)</sup>	
Tropicalization:		55°C - RH 95%			
Auxiliary contact characteristics					
Type of contact:	-	Photomos		Changeover	Changeover
Operating voltage:	(V)	-	5-230 AC/DC	230 AC/ 30 DC	5-230 AC/DC
Maximum operating current:	(mA)	-	100 (cosφ=1)	1.5 AC / 0.8 DC	100 (cosφ=1)
Minimum operating current:	(mA)	-	0.6	-	0.6
Operating frequency:	(Hz)	-	50		
Category of use:	-	AC12			
Operating mode:	-	NO/NC/INTERMITTENT		CO	NO/NC/INTERMITTENT
Terminal section:	(mm <sup>2</sup> )	-	≤ 2.5		
Rated tightening torque:	(Nm)	-	0,4		
ReSTART function					
Automatic reclosure for untimely tripping:		•	•	•	•
Earth leakage check:		•	•	•	•
Short-circuit check:		•	•	•	•
Adjustable insulation threshold:				•	
Continuous system check:		•	•	•	•
Adjustable reset standby time <sup>(6)</sup> :				•	
Adjustable reclosing mode:				•	
Interruption of reclosure operation in the event of a fault:		•	•	•	•
Signalling of reclosure operation in progress:		•	•	•	•
Light signalling of failure:		•	•	•	•
Activation / exclusion of ReSTART function:		•	•	•	•
Auxiliary contact for remote operating status access:			•	•	•
Internal electrical protection:		PTC	PTC	PTC	PTC

<sup>(1)</sup> For IT system reclosing without fault check    <sup>(2)</sup> Power supply 230V phase-neutral    <sup>(3)</sup> Impulse duration ≥ 200ms    <sup>(4)</sup> In the absence of a system fault  
<sup>(5)</sup> Average daily temperature ≤ +35°C    <sup>(6)</sup> Automatic reclosure delay time: 0-1h



DEVICE DESCRIPTION

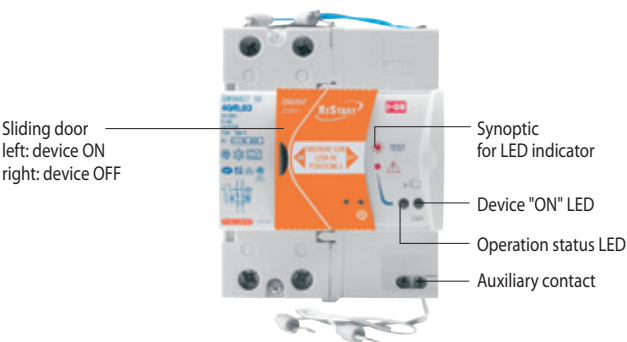
ReSTART Rd 2P



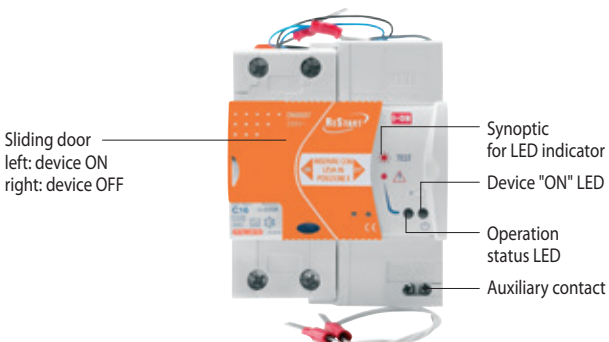
ReSTART Rm 2P



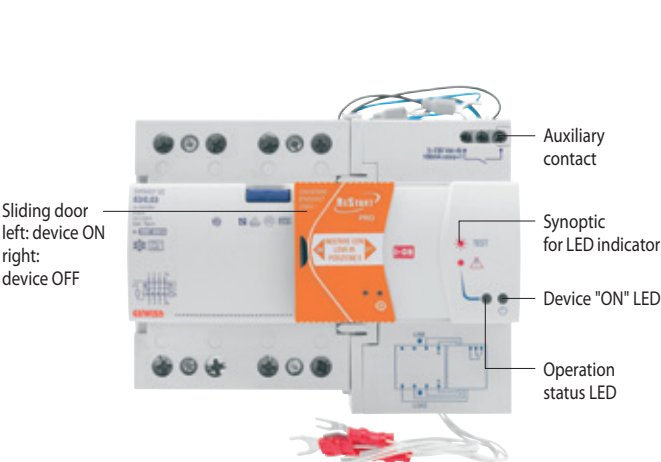
ReSTART Rd PRO 2P



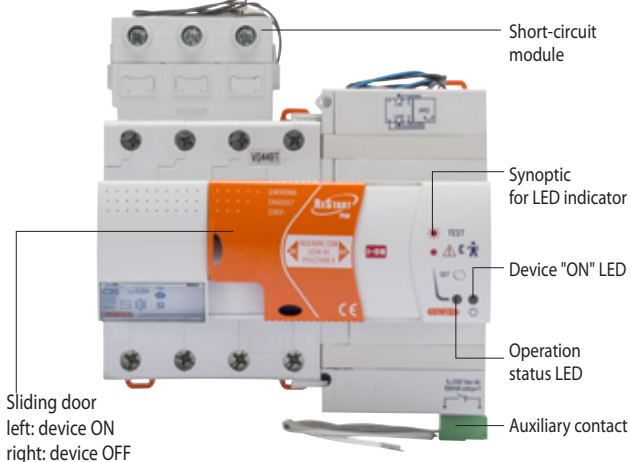
ReSTART Rm PRO 2P



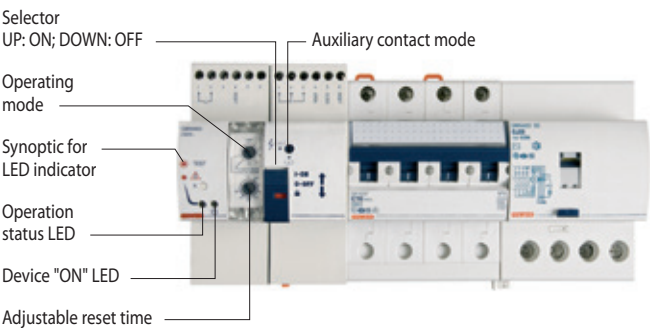
ReSTART Rd PRO 4P



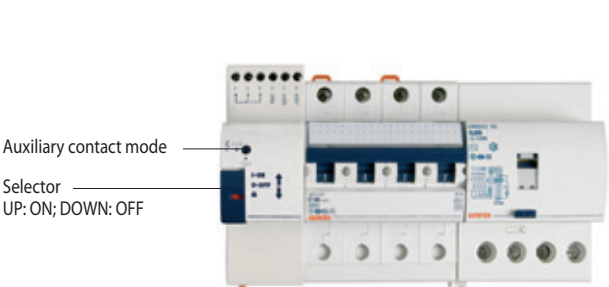
ReSTART Rm PRO 4P



ReSTART Rm TOP



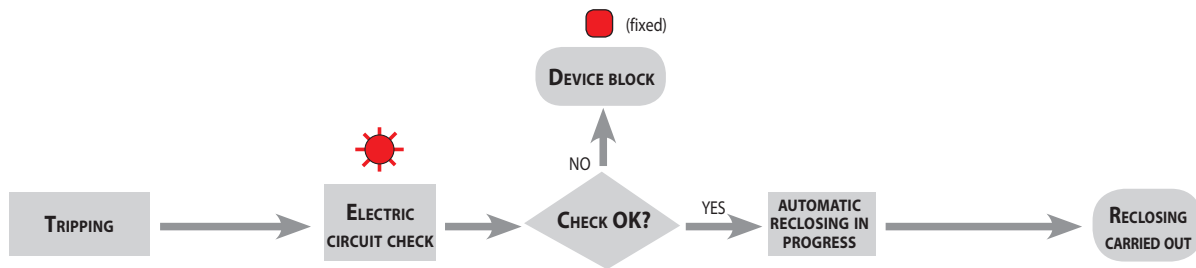
ReSTART Cm



## AUTOMATIC RECLOSING FUNCTION

### ReSTART WITH AUTOTEST, Rd AND Rm

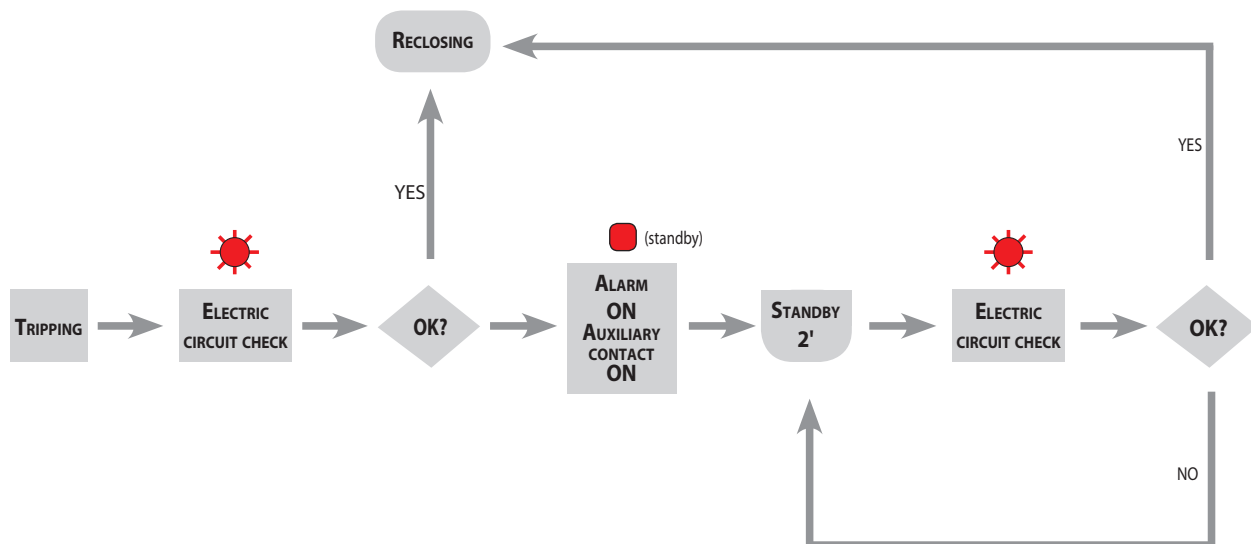
The automatic reclosing is carried out after an untimely tripping of the circuit breaker but only after an electrical circuit check. If a fault is found, the device sets itself on block condition and signals the fault by means of the front LED indicator.



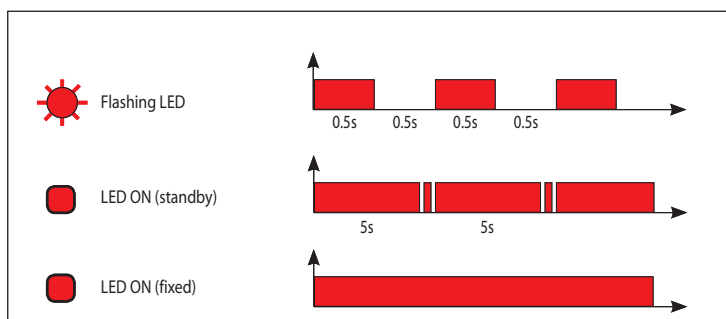
### ReSTART WITH AUTOTEST, Rd AND Rm PRO VERSION

The circuit breaker is reclosed after an untimely tripping of the circuit breaker but only after a system check.

When the system check gives a negative result, the device goes into standby and signals this condition by means of the frontal LED indicator. System checks will then be carried out at 2' intervals, and the device will only reclose when the result of the test is positive. If no positive result is obtained, the device will remain in standby until the next test, or until a manual reset. The auxiliary contact signals the system fault.



#### KEY



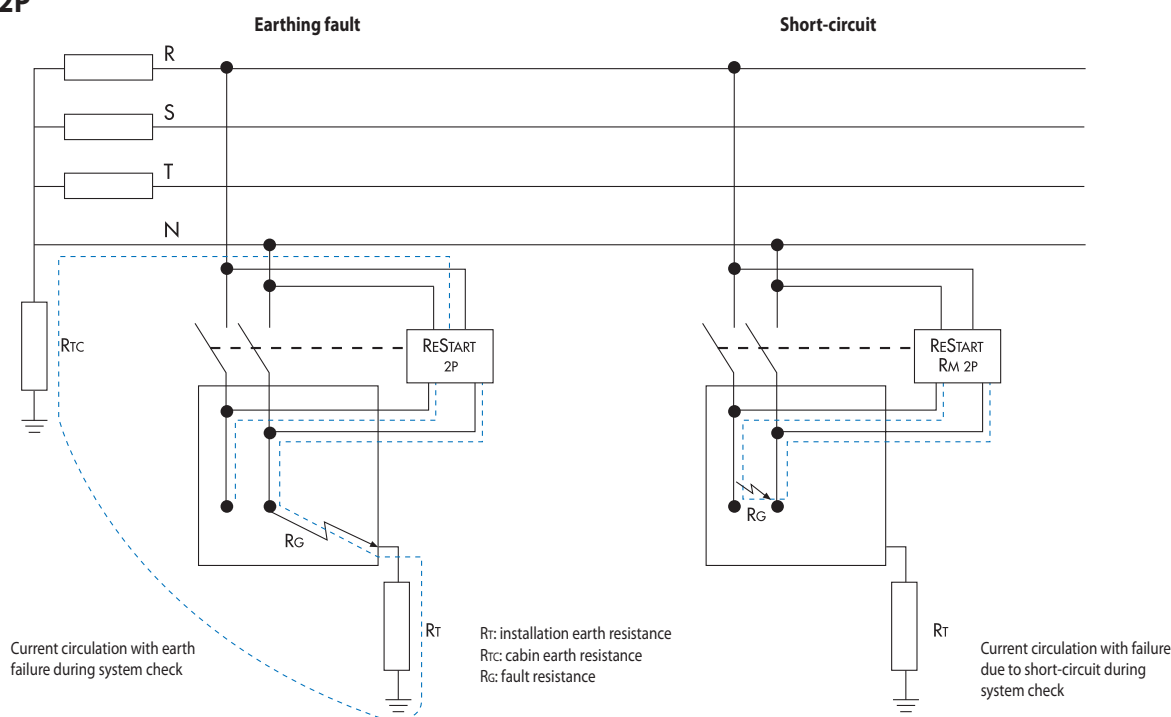
## SYSTEM FAULT CHECK

Every device belonging to ReSTART range is equipped with internal electronic circuit which is able to check the system and then to carry out the automatic reclosing of the circuit breaker if the value of the insulation resistance measured by the electronic circuit is compatible with the predefined safety values.

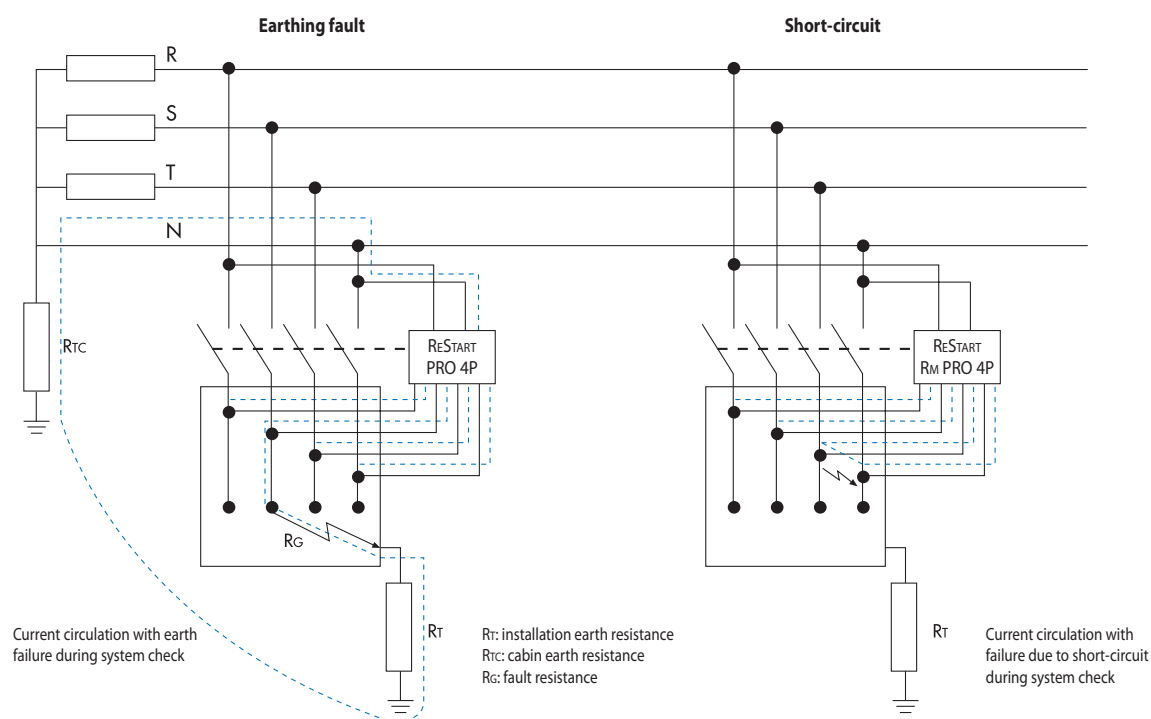
During the system check ReStart injects a pulsant unidirectional current type in order to check the status of the system. The intensity of this current is extremely low in order to guarantee always the people safety. The figures below are given as an example to show the route taken by the current during system check for TT distribution systems both single and three phase.

ReSTART RM, in addition to the check of the insulation resistance, carries out a system short circuit check.

### ReSTART 2P



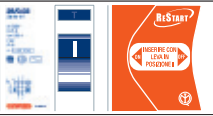

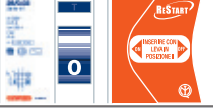







### ReSTART 4P



## ReSTART Rd AND Rm LIGHT SIGNALLING

ReSTART Rd and Rm are equipped with one LED on the front which shows the operation conditions of the device.











### ReSTART Rd

ReSTART conditions	ReSTART front	Lever position	Indicator LED	Description
<b>MANUAL OPERATION</b>				
Deactivated		I		Reset device <b>OFF</b>
Deactivated		0		Reset device <b>OFF</b>
<b>AUTOMATIC OPERATING CYCLE <sup>(*)</sup></b>				
Normal operation		I		Reset device <b>ON</b>
Electric circuit check		0		Reset device in <b>electric system insulation check condition</b> .
System failure		0		Reset device in <b>block</b> condition due to low insulation of downstream electric system.

<sup>(\*)</sup> before sliding the plastic cover to the left to activate the device, it is necessary to set the associated circuit breaker in the "I" position.

NOTE: ReStart device can be in block condition (red led fixed) after 4 following trips too (t≤180s after previous trip).

### ReSTART Rm

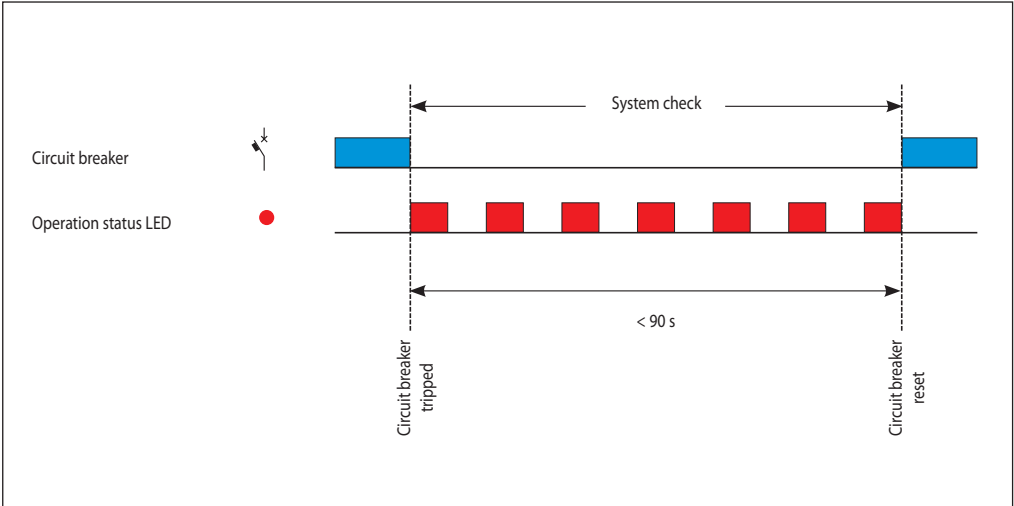
ReSTART conditions	ReSTART front	Lever position	Indicator LED	Description
<b>MANUAL OPERATION</b>				
Deactivated		I		Reset device <b>OFF</b>
Deactivated		0		Reset device <b>OFF</b>
<b>AUTOMATIC OPERATING CYCLE <sup>(*)</sup></b>				
Normal operation		I		Reset device <b>ON</b>
Electric circuit check		0		Reset device in <b>electric system insulation and short-circuit check conditions</b> .
System failure		0		Reset device in <b>block</b> condition due to low insulation or short-circuiting fault of downstream electric system

<sup>(\*)</sup> before sliding the plastic cover to the left to activate the device, it is necessary to set the associated circuit breaker in the "I" position.

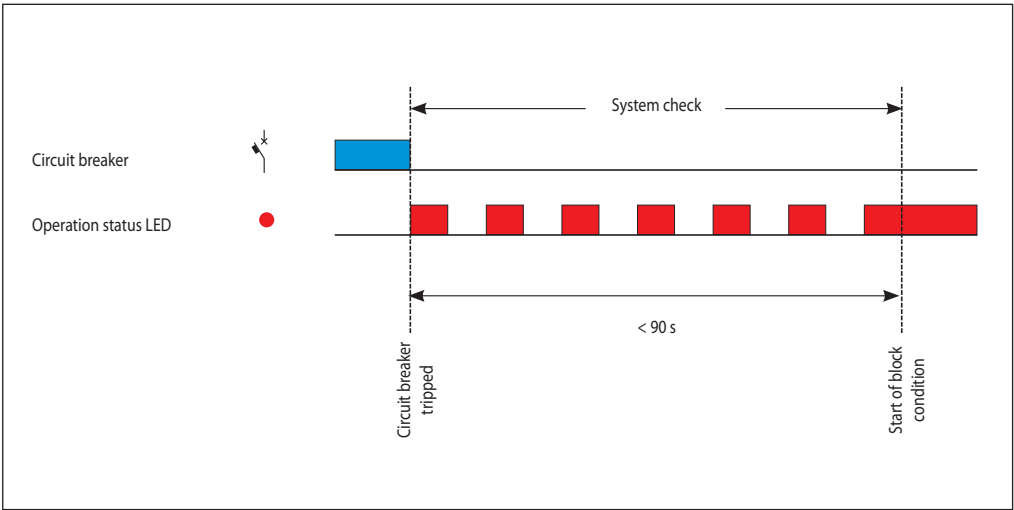
NOTE: ReStart device can be in block condition (red led fixed) after 4 following trips too (t≤180s after previous trip).

ReSTART Rd AND Rm OPERATION CONDITIONS





ReSTART FUNCTION WITH POSITIVE RESULT



ReSTART FUNCTION WITH NEGATIVE RESULT





















KEY

-  Closed circuit
-   System check in progress
-  Device block




ReSTART Rd and Rm PRO Light Signalling

ReSTART PRO is equipped with two LEDs on the front which show the operation conditions of device.  
The right-hand LED is switched on when the device is activated, and the left-hand LED shows the operation conditions.

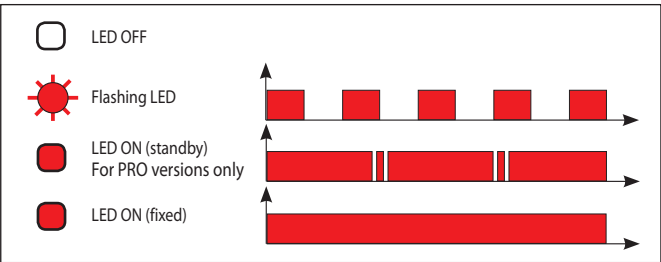
ReSTART conditions	ReSTART front	Lever position	LED indicators			Description
			Left LED	Right LED	Aux contact	
MANUAL OPERATION						
Deactivated		I			OFF	Reset device <b>OFF</b>
Deactivated for over 15 minutes (*)		I			ON (*)	Reset device <b>OFF</b>
Deactivated		0			OFF	Reset device <b>OFF</b>
AUTOMATIC OPERATING CYCLE (**)						
Normal operation		I			OFF	Reset device ON
Electric circuit check		0			OFF	Reset device in <b>system check condition</b> .
System insulation fault		0	 (standby)		ON	Reset device in <b>standby</b> conditions due to insulation fault of downstream electric system

(\*) Available for 4pole versions only  
(\*\*) before sliding the plastic cover to the left to activate the device, it is necessary to set the associated circuit breaker in the "I" position.  
NOTE: ReStart device can be in block condition (red led fixed) after 4 following trips too (t≤180s after previous trip for 2pole versions or t≤60s after previous trip for 4pole versions)

Specifically, ReSTART Rm PRO may have the following operation condition:

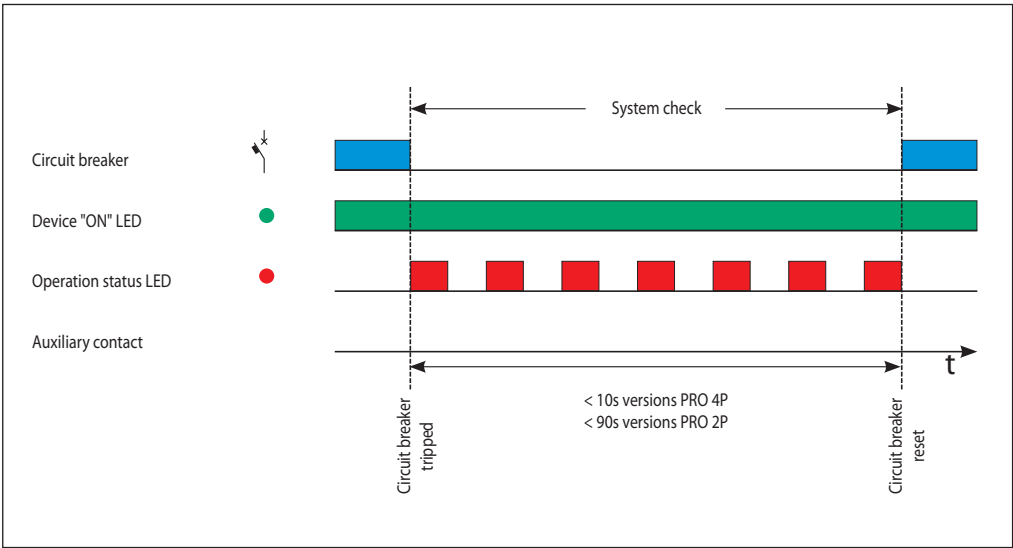
ReSTART conditions	ReSTART front	Lever position	LED indicators			Description
			Left LED	Right LED	Aux contact	
AUTOMATIC OPERATION						
System short-circuit fault		0	 (fixed)		ON	Reset device in <b>block</b> condition due to short-circuit fault of downstream electric system

KEY

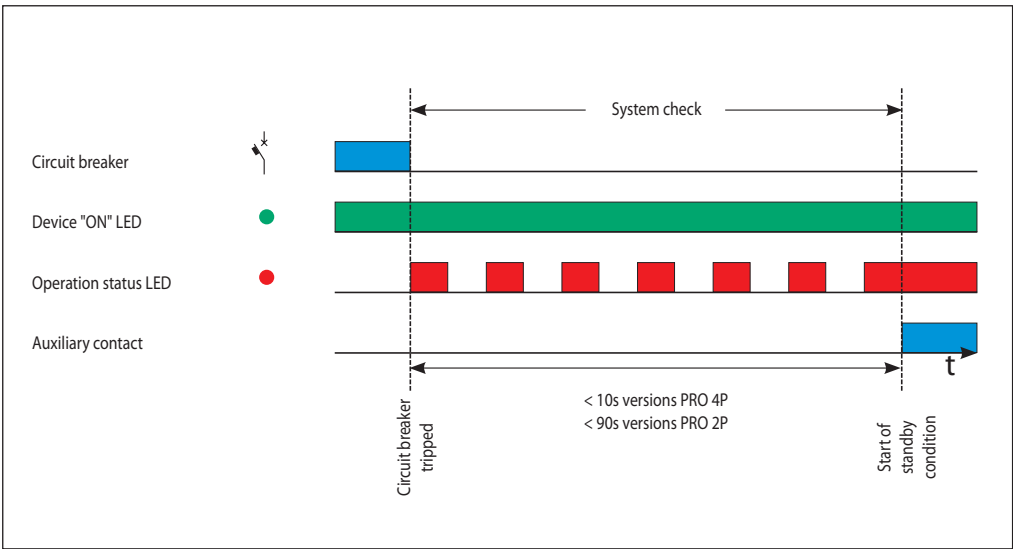


RESTART R<sub>D</sub> AND R<sub>M</sub> PRO OPERATION CONDITIONS

ReSTART FUNCTION WITH POSITIVE RESULT



ReSTART FUNCTION WITH NEGATIVE RESULT



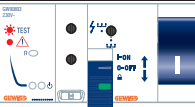


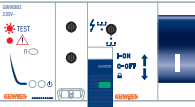


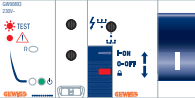


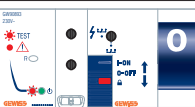


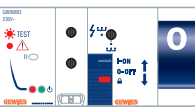




KEY

- Closed circuit
- Device ON
- System check in progress
- Device standby

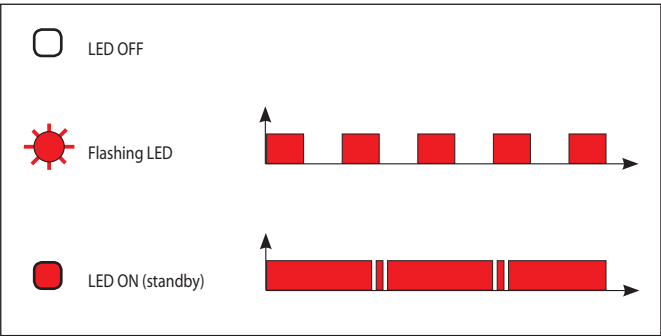
ReSTART Rm TOP LIGHT SIGNALLING

ReSTART Rm TOP is equipped with two LEDs on the front which show the operation conditions of the device. In addition, by adjusting the two trimmers you can select the operation mode.

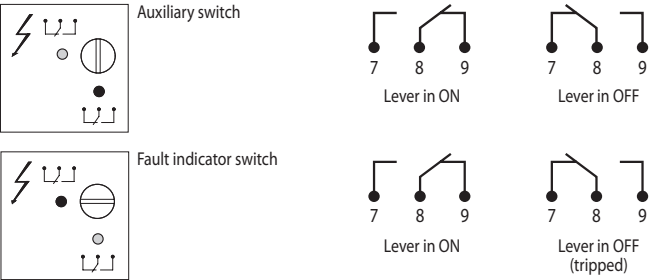
ReSTART conditions	ReSTART front	Lever position	LED indicators				Description
			Left LED	Right LED	Aux contact 1 	Aux contact 2 	
MANUAL OPERATION							
Deactivated		I			OFF	ON (OFF)*	Device OFF
Deactivated		0			OFF	OFF	Device OFF
AUTOMATIC OPERATING CYCLE							
Normal operation		I			OFF	ON	Device ON
Electric circuit check		0			OFF	OFF	Device in <b>system check condition</b>
System failure		0			ON	OFF	Device in <b>standby</b> due to system fault

(\*) If it has been set as fault indicator switch.

KEY

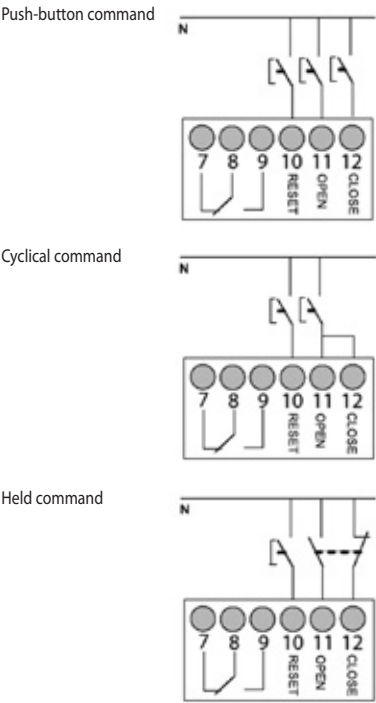


SETTING OF AUX CONTACT 2



NOTE: to change the function of Aux contact 2, from auxiliary switch to fault indicator switch and viceversa, it's required to turn the selector by screwdriver and to make an automatic reclosing cycle.

SETTING AS MOTOR OPERATING





APPLICATION EXAMPLES

ReSTART PRO AND ReSTART Rm TOP

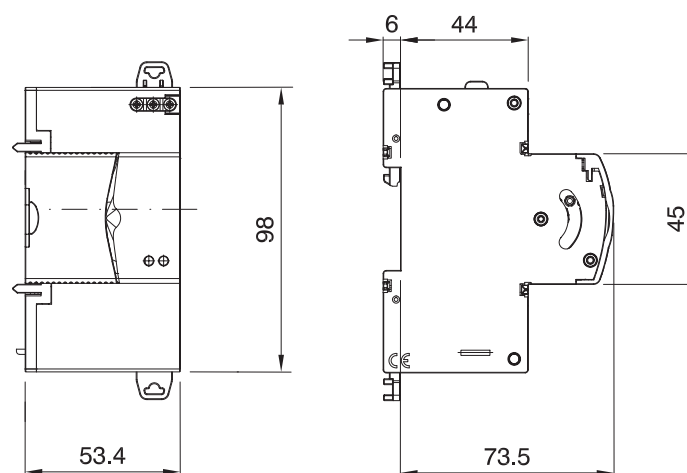
With ReSTART PRO it is possible to monitor the insulation level after tripping for an indefinite period of time (until acceptable values are obtained and the automatic reset operation is performed). This control system is indispensable where the system's insulation level can suddenly drop, due to weather conditions, and then rise thus allowing reset operations once optimal conditions are re-established.

		SPECIFICATIONS	TYPICAL SYSTEMS
OUTDOOR SYSTEMS		<ul style="list-style-type: none"><li>- Exposure to atmospheric disturbance</li><li>- Insulation levels depending on weather conditions (temperature and humidity)</li><li>- Presence of electronic power supplies</li><li>- Extensive damage due to blackout</li><li>- Difficult accessibility of electrical circuit</li></ul>	<ul style="list-style-type: none"><li>- Lighting in public places</li><li>- Outdoor lighting in gardens and squares</li><li>- Sporting facilities</li><li>- Traffic lights</li><li>- Signalling</li><li>- Pollution control stations</li><li>- Telecommunication installations</li><li>- Radio links</li><li>- Traffic-information panels</li><li>- Advertising hoardings</li></ul>
			
			
			
INDOOR SYSTEMS		<ul style="list-style-type: none"><li>- Strong presence of electronic power supplies</li><li>- Extensive damage due to blackout</li><li>- Need for guaranteed service continuity</li><li>- Sensitivity to disturbance induced by mains supply and by atmospheric conditions</li><li>- Insulation levels depending on weather and operating conditions</li></ul>	<ul style="list-style-type: none"><li>- Small, medium, and large tertiary sector</li><li>- Industrial plants</li><li>- Data processing centres</li><li>- Garages</li><li>- Pumping systems</li><li>- Catering</li><li>- Supermarkets</li><li>- Ice-cream shops</li><li>- Alarm system protection</li><li>- CCTV system protection</li><li>- Access monitoring system protection</li><li>- Door and automatic gate protection</li></ul>
			
			
			

DIMENSION TABLES

ReSTART WITH AUTOTEST		
<p>2 POLE</p>	<p>4 POLE</p>	
ReSTART Rd AND Rd PRO 2P		
ReSTART Rm AND Rm PRO 2P		

**ReSTART Rd PRO 4P**



**ReSTART Rm PRO 4P**

