

2P AND 4P
RESIDUAL CURRENT
CIRCUIT BREAKERS
NEW GENERATION
ONLY GEWISS

GEWISS
 DOMOTICS ENERGY LIGHTING



2P

ReSTART
AUTOTEST



ReSTART



4P

ReSTART
AUTOTEST



NEW
 FROM SEPTEMBER 2007

ReSTART



NEW
 FROM SEPTEMBER 2007

AUTOTEST



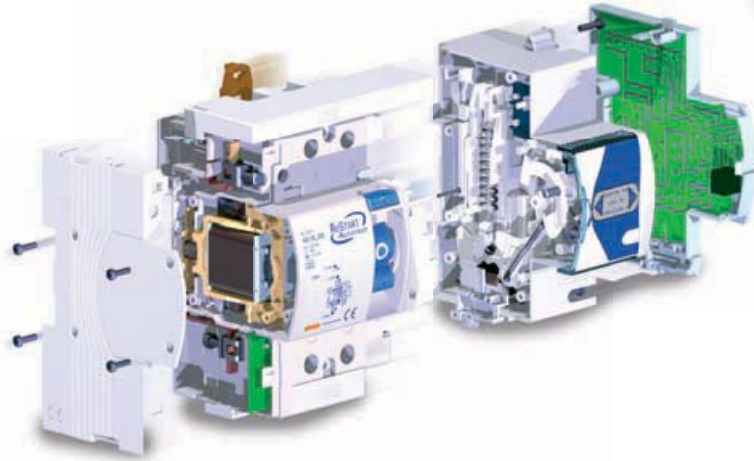
NEW
 FROM DECEMBER 2007

THE ONLY ONE THAT
 CARRIES OUT THE TEST
 WITHOUT DISCONNECTING
 THE VOLTAGE

Energy

In the event that the residual current circuit breaker or residual current circuit breaker with overcurrent protection trips, **ReSTART** restores the electrical power supply in a short time, but only following a check of the system's insulation status.

Thanks to the innovative control logic, **AUTOTEST** is able to periodically test the working of the residual current device release relay automatically, **without ever removing the power supply from the system.**







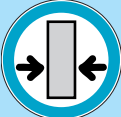
TECHNICAL CHARACTERISTICS

TYPE OF DEVICE	ReSTART AUTOTEST		ReSTART	
	RCCB	RCCB (RD)	RCCB (RD)	RCBO (RM)
Rated current (A)	up to 40	up to 80	up to 80	up to 32
Breaking capacity I _{cn} (kA)				4,5-6-10
Residual current circuit breaker sensitivity I _{Δn} (mA)	30	30-300-500	30-300-500	30-300
Type	A	A - A[IR] - A[S]	A - A[IR] - A[S]	A
Reset time (s)	≤ 10*	≤ 60 (≤ 10**)	≤ 60 (≤ 10**)	≤ 60 (≤ 10**)
AUTOTEST duration (s)	≤ 5*	-	-	-
Overall dimensions (modules)	5	4 (5**)	4 (5**)	4 (5**)

* Characteristics available from 2008

** Obtainable by coupling residual current circuit breakers and residual current circuit breakers with overcurrent protection with the reset module for the 4P.

CHARACTERISTICS AND ADVANTAGES

	ReSTART AUTOTEST	ReSTART
 <p>MONTHLY TESTS NO LONGER NECESSARY With ReSTART with AUTOTEST, the residual current circuit breaker intervention test is carried out periodically and automatically.</p>	✓	
 <p>NO BLACKOUTS DURING TESTS ReSTART with AUTOTEST carries out the test of the residual current circuit breaker without removing the voltage from the system, thanks to a special bypass circuit, thereby avoiding any inconvenience for the user.</p>	✓	
 <p>OPERATION WITHOUT EARTH CONDUCTOR ReSTART does not require any connection with the earth conductor, commonly not present in the enclosure.</p>	✓	✓
 <p>DOES NOT RECLOSE IN THE EVENT OF A FAULT The user's safety is guaranteed thanks to the checking of the system before the reclosing.</p>	✓	✓
 <p>SERVICE AND COMFORT IN JUST TWO DIN MODULES The use of a special mechanism has allowed us to create an extremely compact device with silent operation.</p>		✓

ReSTART and AUTOTEST RCCBs

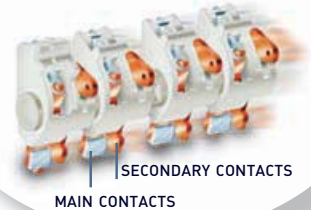
4P

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BYPASS MECHANISM



SECONDARY CONTACTS
MAIN CONTACTS

TECHNICAL CHARACTERISTICS

	ReSTART AUTOTEST	ReSTART		AUTOTEST
TYPE OF DEVICE	RCCB	RCCB (RD)	RCBO (RM)	RCCB
Rated current (A)	up to 63	up to 100	up to 32	up to 63
Breaking capacity I _{cn} (kA)			4,5-6	
Residual current circuit breaker sensitivity I _{Δn} (mA)	30-300	30-300-500	30-300	30-300
Type	A [IR]	A - A[IR] - A[S]	A	A [IR]
Reset time (s)	≤ 10	≤ 10	≤ 10	-
AUTOTEST duration (s)	≤ 5	-	-	≤ 5
Overall dimensions (modules)	7	6 with SD 4P 3m 7 with SD 4P 4m	7	7

CHARACTERISTICS AND ADVANTAGES (additional to the 2P)

	ReSTART AUTOTEST	ReSTART	AUTOTEST
<p>PROTECTION IN AGGRESSIVE ENVIRONMENTS ReSTART with AUTOTEST 4P PRO is especially recommended for difficult environments where the periodical self-check keeps the residual current circuit breaker protection in an efficient state.</p>	✓		✓
<p>CONTINUITY OF SERVICE IN NON-SUPERVISED SYSTEMS ReSTART PRO responds to the need for a continuous power supply in systems located in isolated, remote places, thereby avoiding considerable damage in the event of a blackout.</p>	✓	✓	
<p>CONTINUOUS CONTROL OF THE SYSTEM AFTER A FAULT Following a trip caused by a permanent fault, ReSTART PRO does not reset, but repeats the check every 15 minutes and recloses if the fault disappears.</p>	✓	✓	
<p>DISTANCE SIGNALLING WITH AUXILIARY CONTACT An auxiliary contact allows remote signalling in the event of an effective fault without reset.</p>	✓	✓	✓
<p>QUICK RESET The structural technologies used ensure the maximum speed for system checking and subsequent reset, reducing the "out of order" time to a minimum.</p>	✓	✓	✓

THE GEWISS PROTECTION SYSTEM



GEWISS

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