



GEWISS



90 Range



Modular devices for
circuit protection

euro **DIN**

2007

More than 18.000 products

EURO DOMO

A highly developed and well designed range which offers advanced solutions for power and information distribution and in the management of comfort and safety.

EURO DIN

A technologically advanced offer of modular devices and moulded case circuit breakers, to be integrated with the vast range of enclosures and distribution cabinets, control units and combined boards for the creation of the GEWISS Protection System.

EURO BLOC

Highly advanced industrial connections with multiple functions and applications and an integrated system of distribution boards for special systems, either fixed or mobile, for coordination of the electrical system in a very attractive and functional way.



EURO BOX

GEWISS has been the leader for many years in the sector of junction boxes and special enclosures which can be integrated from a complete and coordinated line of control panels and distribution boards for flush or surface mounting.

The GEWISS conduit system is the element which unites the various components of the integrated system. These are offered in a wide range for all types of realizations and include cable trays in steel and PVC, plastic trunking and protective conduit, either flexible or rigid.

EURO LITE

Lighting products complete the Integrated Electrical System. These are technologically advanced and attractive products which are ideal for use in industrial and road lighting, and as a decor for indoor and outdoor besides for emergency lighting.

GEWISS protection system

47 CVX 106i/160 E RANGE

Flush- and surface-mounting distribution boards up to 160A



CHORUS ACTIVO

Flush-mounting enclosure



40 CD/CDK RANGE

Flush- and surface-mounting consumer units and distribution boards



90 RANGE



46 QP/QM/QX RANGE

Weatherproof surface-mounting automation and distribution boards



47 CVX 630/630 K RANGE

Surface and floor-mounting distribution boards up to 630A



68 Q-BOX /

60 Q-DIN RANGE

Distribution boards, ASC distribution boards system for construction sites



68 Q-MC RANGE

Energy and services distribution terminal system



47 CVX 1600 RANGE

Floor-mounting distribution cabinets up to 3200A

ReSTART and AUTOTEST RCCBs

2P

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 DIN)	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>		✓

ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

ReSTART and AUTOTEST RCCBs

4P

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

	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 ΔIn (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 DIN)	7	6 with SD 4P 3m 7 with SD 4P 4m	7	7

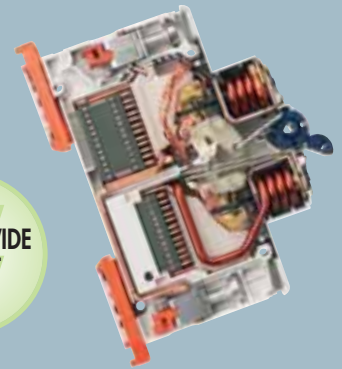
Characteristics and advantages (additional to the 2p)

	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>	✓	✓	✓





ibemo, Kazakhstan - 090301, Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
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Miniature circuit breakers

The innovative **90 MTC-MDC** range circuit breakers can protect two poles in just one module and increase the level of safety, occupied space being equal.







MTC

<p>STANDARD</p> <p>2 POLES - 2 MOD.</p> 	<p>GEWISS</p> <p>2 POLES - 1 MOD.</p> 
<p>4 POLES - 4 MOD.</p> 	<p>4 POLES - 2 MOD.</p> 

**-50%
SPACE
OCCUPIED**

**100%
OF
PROTECTION**

MDC

<p>STANDARD</p> <p>2 POLES - 4 MOD.</p> 	<p>GEWISS</p> <p>2 POLES - 2 MOD.</p> 
<p>4 POLES - 7,5 MOD.</p> 	<p>4 POLES - 4 MOD.</p> 



Double-connection terminals equipped with a sliding insulation sheath to protect against dangerous contacts.



Identification plate to identify the circuits available across the range.



Multi purpose terminals system and fast-on voltage plugs for direct supply of auxiliary circuits.
(Only for MTHP - High performance MCB)

Residual current devices



BD/BDHP

ADD-ON residual current devices and compact RCBO's equipped with yellow window that indicate an earth leakage trip.



MDC



BD/BDHP

ADD-ON residual current devices with mechanical test-button to verify the correct coupling with MCB.



BDHP

ADD-ON residual current devices with adjustable earth leakage threshold and time.

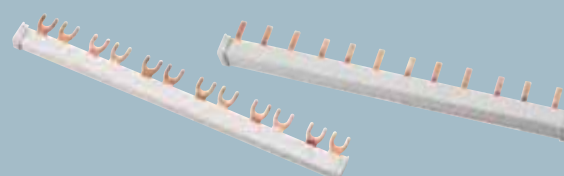
Modular accessory devices

The **90 AM** range includes various modular accessories for the protection, control and command of the electrical system:

- auxiliary contacts
- protection
- control
- measurement
- signalling











New switch disconnectors with red lever from 32 to 125A, for a simple and sure location of the main switch.



New range of pin and fork busbar for a fast and clean wiring.

ReSTART Rd and RCCB's SD

Automatic reset devices and residual current circuit breakers

		ReSTART Rd AND AUTOTEST - RCCB's SD										
		ReSTART AND RCCB's SD PREASSEMBLED					RCCB's SD (EN 61008-1)					
		AUTOTEST	Rd	Rd PRO	AUTOTEST PRO	Rd PRO	RCCB's SD (EN 61008-1)					
		2P			4P		2P	4P				
												
In [A]	Type	I Δ n [mA]	5 mod.	4 mod.	4 mod.	7 mod.	6/7 mod.	2 mod.	3 mod.	4 mod.		
25	AC	10						GW 94 616				
		30						GW 94 617	GW 94 662	GW 94 697		
		100						GW 94 618		GW 94 698		
		300						GW 94 619	GW 94 664	GW 94 699		
	A	10						GW 94 816	GW 94 866			
		30	GW 90 901	GW 94 817 R	GW 94 817 P	GW 90 921	GW 94 867 P	GW 94 817	GW 94 867	GW 94 877		
		100						GW 94 818		GW 94 878		
		300			GW 94 819 P	GW 90 927	GW 94 869 P	GW 94 819	GW 94 869	GW 94 879		
	A [IR]	30		GW 95 651 R	GW 95 651 P		GW 95 676 P	GW 95 651		GW 95 676		
		300								GW 95 678		
		40	AC	30						GW 94 627	GW 94 667	GW 94 707
				100						GW 94 628	GW 94 668	GW 94 708
300								GW 94 629	GW 94 669	GW 94 709		
500								GW 94 630	GW 94 670	GW 94 710		
A	30		GW 90 902	GW 94 827 R	GW 94 827 P	GW 90 922	GW 94 897 P	GW 94 827	GW 94 897	GW 94 927		
	100							GW 94 828	GW 94 898	GW 94 928		
	300				GW 94 829 P	GW 90 928	GW 94 899 P	GW 94 829	GW 94 899	GW 94 929		
	500				GW 94 830 P			GW 94 830	GW 94 900	GW 94 930		
A [IR]	30		GW 95 656 R	GW 95 656 P		GW 95 681 P	GW 95 656		GW 95 681			
	300								GW 95 683			
A [S]	300			GW 94 924 P		GW 94 966 P	GW 94 924		GW 94 966			
63	AC	30						GW 94 790		GW 94 757		
		100						GW 94 791		GW 94 758		
		300						GW 94 792		GW 94 759		
		500						GW 94 789		GW 94 760		
	A	30		GW 94 837 R	GW 94 837 P	GW 90 923	GW 94 937 P	GW 94 837		GW 94 937		
		100						GW 94 838		GW 94 938		
		300			GW 94 839 P	GW 90 929	GW 94 939 P	GW 94 839		GW 94 939		
		500			GW 94 840 P		GW 94 940 P	GW 94 840		GW 94 940		
	A [IR]	30		GW 95 661 R	GW 95 661 P		GW 95 686 P	GW 95 661		GW 95 686		
		300								GW 95 688		
	A [S]	300			GW 94 934 P		GW 94 976 P	GW 94 934		GW 94 976		
	80	AC	30						GW 94 793		GW 94 761	
100								GW 94 794		GW 94 771		
300								GW 94 795		GW 94 766		
500										GW 94 780		
A		30		GW 94 847 R	GW 94 847 P		GW 94 947 P	GW 94 847		GW 94 947		
		100						GW 94 848		GW 94 948		
		300			GW 94 849 P		GW 94 949 P	GW 94 849		GW 94 949		
		500			GW 94 944 P		GW 94 986 P	GW 94 944		GW 94 986		
100	AC	30						GW 94 656		GW 94 777		
		100						GW 94 657		GW 94 778		
		300						GW 94 658		GW 94 779		
		500								GW 94 780		
	A	30					GW 94 957 P	GW 94 856		GW 94 957		
		100								GW 94 958		
		300					GW 94 959 P	GW 94 858		GW 94 959		
		500					GW 94 960 P			GW 94 960		
A [IR]	30					GW 95 696 P	GW 95 671		GW 95 696			
	300								GW 95 698			
A [S]	300				GW 94 996 P	GW 94 954			GW 94 996			
125	AC	30								GW 95 601		
		300								GW 95 603		
		500								GW 95 604		
	A	30								GW 95 606		
		300								GW 95 608		

ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
 Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

ReSTART RM and RCBO's MDC













Automatic reset devices and residual current circuit breakers with overcurrent release

ReSTART RM - RCBOs MDC													
ReSTART RM+RCBOs MDC PREASSEMBLED				MDC - TYPE C RCBO'S (EN 61009-1)									
RM		RM PRO		2P		1P+N	2P	3P	4P	1P+N	2P	3P	4P
Icn [A]	Type	In [A]	IΔn=30mA			IΔn=30mA				IΔn=300mA			
			4 mod.	4 mod.	4 mod.	2 mod.	2 mod.	3 mod.	4 mod.	2 mod.	2 mod.	3 mod.	4 mod.
MDC45													
4500	AC	6				GW 94 005	GW 94 025	GW 94 045	GW 94 065	GW 94 015	GW 94 035	GW 94 055	GW 94 075
		10				GW 94 006	GW 94 026	GW 94 046	GW 94 066	GW 94 016	GW 94 036	GW 94 056	GW 94 076
		13				GW 94 011	GW 94 031	GW 94 051	GW 94 071				
		16				GW 94 007	GW 94 027	GW 94 047	GW 94 067	GW 94 017	GW 94 037	GW 94 057	GW 94 077
		20				GW 94 008	GW 94 028	GW 94 048	GW 94 068	GW 94 018	GW 94 038	GW 94 058	GW 94 078
		25				GW 94 009	GW 94 029	GW 94 049	GW 94 069	GW 94 019	GW 94 039	GW 94 059	GW 94 079
		32				GW 94 010	GW 94 030	GW 94 050	GW 94 070	GW 94 020	GW 94 040	GW 94 060	GW 94 080
	A	6	GW 94 225 R			GW 94 205	GW 94 225	GW 94 245	GW 94 265	GW 94 215	GW 94 235	GW 94 255	GW 94 275
		10	GW 94 226 R			GW 94 206	GW 94 226	GW 94 246	GW 94 266	GW 94 216	GW 94 236	GW 94 256	GW 94 276
		13	GW 94 231 R			GW 94 211	GW 94 231	GW 94 251	GW 94 271				
		16	GW 94 227 R			GW 94 207	GW 94 227	GW 94 247	GW 94 267	GW 94 217	GW 94 237	GW 94 257	GW 94 277
		20	GW 94 228 R			GW 94 208	GW 94 228	GW 94 248	GW 94 268	GW 94 218	GW 94 238	GW 94 258	GW 94 278
		25	GW 94 229 R			GW 94 209	GW 94 229	GW 94 249	GW 94 269	GW 94 219	GW 94 239	GW 94 259	GW 94 279
		32	GW 94 230 R			GW 94 210	GW 94 230	GW 94 250	GW 94 270	GW 94 220	GW 94 240	GW 94 260	GW 94 280
MDC60													
6000	AC	6				GW 94 105	GW 94 125	GW 94 145	GW 94 165	GW 94 115	GW 94 135	GW 94 155	GW 94 175
		10				GW 94 106	GW 94 126	GW 94 146	GW 94 166	GW 94 116	GW 94 136	GW 94 156	GW 94 176
		13				GW 94 111	GW 94 131	GW 94 151	GW 94 171				
		16				GW 94 107	GW 94 127	GW 94 147	GW 94 167	GW 94 117	GW 94 137	GW 94 157	GW 94 177
		20				GW 94 108	GW 94 128	GW 94 148	GW 94 168	GW 94 118	GW 94 138	GW 94 158	GW 94 178
		25				GW 94 109	GW 94 129	GW 94 149	GW 94 169	GW 94 119	GW 94 139	GW 94 159	GW 94 179
		32				GW 94 110	GW 94 130	GW 94 150	GW 94 170	GW 94 120	GW 94 140	GW 94 160	GW 94 180
	A	6	GW 94 325 R	GW 94 325 P	GW 94 335 P	GW 94 305	GW 94 325	GW 94 345	GW 94 365	GW 94 315	GW 94 335	GW 94 355	GW 94 375
		10	GW 94 326 R	GW 94 326 P	GW 94 336 P	GW 94 306	GW 94 326	GW 94 346	GW 94 366	GW 94 316	GW 94 336	GW 94 356	GW 94 376
		13	GW 94 331 R	GW 94 331 P		GW 94 311	GW 94 331	GW 94 351	GW 94 371				
		16	GW 94 327 R	GW 94 327 P	GW 94 337 P	GW 94 307	GW 94 327	GW 94 347	GW 94 367	GW 94 317	GW 94 337	GW 94 357	GW 94 377
		20	GW 94 328 R	GW 94 328 P	GW 94 338 P	GW 94 308	GW 94 328	GW 94 348	GW 94 368	GW 94 318	GW 94 338	GW 94 358	GW 94 378
		25	GW 94 329 R	GW 94 329 P	GW 94 339 P	GW 94 309	GW 94 329	GW 94 349	GW 94 369	GW 94 319	GW 94 339	GW 94 359	GW 94 379
		32	GW 94 330 R	GW 94 330 P	GW 94 340 P	GW 94 310	GW 94 330	GW 94 350	GW 94 370	GW 94 320	GW 94 340	GW 94 360	GW 94 380
MDC100													
10000	AC	6				GW 95 005	GW 95 025			GW 95 015	GW 95 035		
		10				GW 95 006	GW 95 026			GW 95 016	GW 95 036		
		13				GW 95 011	GW 95 031						
		16				GW 95 007	GW 95 027			GW 95 017	GW 95 037		
		20				GW 95 008	GW 95 028			GW 95 018	GW 95 038		
		25				GW 95 009	GW 95 029			GW 95 019	GW 95 039		
		32				GW 95 010	GW 95 030			GW 95 020	GW 95 040		
	A	6	GW 95 225 R	GW 95 225 P	GW 95 235 P	GW 95 205	GW 95 225			GW 95 215	GW 95 235		
		10	GW 95 226 R	GW 95 226 P	GW 95 236 P	GW 95 206	GW 95 226			GW 95 216	GW 95 236		
		13	GW 95 231 R	GW 95 231 P		GW 95 211	GW 95 231						
		16	GW 95 227 R	GW 95 227 P	GW 95 237 P	GW 95 207	GW 95 227			GW 95 217	GW 95 237		
		20	GW 95 228 R	GW 95 228 P	GW 95 238 P	GW 95 208	GW 95 228			GW 95 218	GW 95 238		
		25	GW 95 229 R	GW 95 229 P	GW 95 239 P	GW 95 209	GW 95 229			GW 95 219	GW 95 239		
		32	GW 95 230 R	GW 95 230 P	GW 95 240 P	GW 95 210	GW 95 230			GW 95 220	GW 95 240		

90 MCB Range

Modular devices for circuit protection











			MINIATURE CIRCUIT BREAKERS (EN 60898)										
			MTC					MT					
Icn [A]	Type	In [A]											
			1 mod.	1 mod.	1 mod.	2 mod.	2 mod.	1 mod.	2 mod.	2 mod.	3 mod.	4 mod.	
			MTC 45					MT 45					
4500	C	2		GW 90 022									
		6	GW 90 005	GW 90 025	GW 90 045	GW 90 065	GW 90 085	GW 92 105	GW 92 125	GW 92 145	GW 92 165	GW 92 185	
		10	GW 90 006	GW 90 026	GW 90 046	GW 90 066	GW 90 086	GW 92 106	GW 92 126	GW 92 146	GW 92 166	GW 92 186	
		13	GW 90 011	GW 90 031	GW 90 051	GW 90 071	GW 90 091	GW 92 107	GW 92 127	GW 92 147	GW 92 167	GW 92 187	
		16	GW 90 007	GW 90 027	GW 90 047	GW 90 067	GW 90 087	GW 92 108	GW 92 128	GW 92 148	GW 92 168	GW 92 188	
		20	GW 90 008	GW 90 028	GW 90 048	GW 90 068	GW 90 088	GW 92 109	GW 92 129	GW 92 149	GW 92 169	GW 92 189	
		25	GW 90 009	GW 90 029	GW 90 049	GW 90 069	GW 90 089	GW 92 110	GW 92 130	GW 92 150	GW 92 170	GW 92 190	
	B	32	GW 90 010	GW 90 030	GW 90 050	GW 90 070	GW 90 090	GW 92 111	GW 92 131	GW 92 151	GW 92 171	GW 92 191	
		40						GW 92 112	GW 92 132	GW 92 152	GW 92 172	GW 92 192	
		6						GW 92 305	GW 92 325	GW 92 345	GW 92 365	GW 92 385	
		10						GW 92 306	GW 92 326	GW 92 346	GW 92 366	GW 92 386	
		13						GW 92 307	GW 92 327	GW 92 347	GW 92 367	GW 92 387	
		16						GW 92 308	GW 92 328	GW 92 348	GW 92 368	GW 92 388	
		20						GW 92 309	GW 92 329	GW 92 349	GW 92 369	GW 92 389	
6000	C	25					GW 92 310	GW 92 330	GW 92 350	GW 92 370	GW 92 390		
		32					GW 92 311	GW 92 331	GW 92 351	GW 92 371	GW 92 391		
		40					GW 92 312	GW 92 332	GW 92 352	GW 92 372	GW 92 392		
		1						GW 92 001	GW 92 021	GW 92 041	GW 92 061	GW 92 081	
		2						GW 92 002	GW 92 022	GW 92 042	GW 92 062	GW 92 082	
		3						GW 92 003	GW 92 023	GW 92 043	GW 92 063	GW 92 083	
		4						GW 92 004	GW 92 024	GW 92 044	GW 92 064	GW 92 084	
		6		GW 90 225	GW 90 245	GW 90 265	GW 90 285	GW 92 005	GW 92 025	GW 92 045	GW 92 065	GW 92 085	
		10		GW 90 226	GW 90 246	GW 90 266	GW 90 286	GW 92 006	GW 92 026	GW 92 046	GW 92 066	GW 92 086	
		13		GW 90 231	GW 90 251	GW 90 271	GW 90 291	GW 92 014	GW 92 034	GW 92 054	GW 92 074	GW 92 094	
		16		GW 90 227	GW 90 247	GW 90 267	GW 90 287	GW 92 007	GW 92 027	GW 92 047	GW 92 067	GW 92 087	
	20		GW 90 228	GW 90 248	GW 90 268	GW 90 288	GW 92 008	GW 92 028	GW 92 048	GW 92 068	GW 92 088		
	B	25		GW 90 229	GW 90 249	GW 90 269	GW 90 289	GW 92 009	GW 92 029	GW 92 049	GW 92 069	GW 92 089	
		32		GW 90 230	GW 90 250	GW 90 270	GW 90 290	GW 92 010	GW 92 030	GW 92 050	GW 92 070	GW 92 090	
40							GW 92 011	GW 92 031	GW 92 051	GW 92 071	GW 92 091		
50							GW 92 012	GW 92 032	GW 92 052	GW 92 072	GW 92 092		
63							GW 92 013	GW 92 033	GW 92 053	GW 92 073	GW 92 093		
6			GW 90 325				GW 92 205		GW 92 245	GW 92 265	GW 92 285		
10			GW 90 326				GW 92 206		GW 92 246	GW 92 266	GW 92 286		
13			GW 90 327				GW 92 214		GW 92 254	GW 92 274	GW 92 294		
16			GW 90 328				GW 92 207		GW 92 247	GW 92 267	GW 92 287		
20			GW 90 329				GW 92 208		GW 92 248	GW 92 268	GW 92 288		
25			GW 90 330				GW 92 209		GW 92 249	GW 92 269	GW 92 289		
D	32		GW 90 331				GW 92 210		GW 92 250	GW 92 270	GW 92 290		
	40						GW 92 211		GW 92 251	GW 92 271	GW 92 291		
	50						GW 92 212		GW 92 252	GW 92 272	GW 92 292		
	63						GW 92 213		GW 92 253	GW 92 273	GW 92 293		
	6						GW 92 405		GW 92 445	GW 92 465	GW 92 485		
	10						GW 92 406		GW 92 446	GW 92 466	GW 92 486		
	13						GW 92 414		GW 92 454	GW 92 474	GW 92 494		
16						GW 92 407		GW 92 447	GW 92 467	GW 92 487			
20						GW 92 408		GW 92 448	GW 92 468	GW 92 488			
25						GW 92 409		GW 92 449	GW 92 469	GW 92 489			
32						GW 92 410		GW 92 450	GW 92 470	GW 92 490			
40						GW 92 411		GW 92 451	GW 92 471	GW 92 491			

90 MCB Range

Modular devices for circuit protection



MINIATURE CIRCUIT BREAKERS (EN 60898)

Icn [A]	Type	In [A]	MINIATURE CIRCUIT BREAKERS (EN 60898)										
			MTC		MT				MTHP				
													
		1 mod.	1 mod.	1 mod.	2 mod.	3 mod.	4 mod.	1,5 mod.	3 mod.	4,5 mod.	6 mod.		
			MTC 100		MT 100				MTHP 100				
10000	C	6	GW 90 425	GW 90 445	GW 92 605	GW 92 645	GW 92 665	GW 92 685					
		10	GW 90 426	GW 90 446	GW 92 606	GW 92 646	GW 92 666	GW 92 686					
		13	GW 90 431	GW 90 451	GW 92 614	GW 92 654	GW 92 674	GW 92 694					
		16	GW 90 427	GW 90 447	GW 92 607	GW 92 647	GW 92 667	GW 92 687					
		20	GW 90 428	GW 90 448	GW 92 608	GW 92 648	GW 92 668	GW 92 688					
		25	GW 90 429	GW 90 449	GW 92 609	GW 92 649	GW 92 669	GW 92 689					
		32	GW 90 430	GW 90 450	GW 92 610	GW 92 650	GW 92 670	GW 92 690					
		40			GW 92 611	GW 92 651	GW 92 671	GW 92 691					
		50			GW 92 612	GW 92 652	GW 92 672	GW 92 692					
		63			GW 92 613	GW 92 653	GW 92 673	GW 92 693					
		B	6			GW 92 505	GW 92 545	GW 92 565	GW 92 585				
			10			GW 92 506	GW 92 546	GW 92 566	GW 92 586				
			13			GW 92 507	GW 92 547	GW 92 567	GW 92 587				
			16			GW 92 508	GW 92 548	GW 92 568	GW 92 588				
	20				GW 92 509	GW 92 549	GW 92 569	GW 92 589					
	25				GW 92 510	GW 92 550	GW 92 570	GW 92 590					
	32				GW 92 511	GW 92 551	GW 92 571	GW 92 591					
	40				GW 92 512	GW 92 552	GW 92 572	GW 92 592					
	D	50			GW 92 513	GW 92 553	GW 92 573	GW 92 593					
		63			GW 92 514	GW 92 554	GW 92 574	GW 92 594					
		1			GW 92 701	GW 92 741	GW 92 761	GW 92 781					
		2			GW 92 702	GW 92 742	GW 92 762	GW 92 782					
		3			GW 92 703	GW 92 743	GW 92 763	GW 92 783					
		4			GW 92 704	GW 92 744	GW 92 764	GW 92 784					
		6			GW 92 705	GW 92 745	GW 92 765	GW 92 785					
		10			GW 92 706	GW 92 746	GW 92 766	GW 92 786					
		13			GW 92 714	GW 92 754	GW 92 774	GW 92 794					
		16			GW 92 707	GW 92 747	GW 92 767	GW 92 787					
10000 (16kA 947-2)	C	80						GW 93 307	GW 93 327	GW 93 337	GW 93 347		
		100						GW 93 308	GW 93 328	GW 93 338	GW 93 348		
		125						GW 93 309	GW 93 329	GW 93 339	GW 93 349		
	D	63							GW 93 356	GW 93 376	GW 93 386	GW 93 396	
		80							GW 93 357	GW 93 377	GW 93 387	GW 93 397	
		100							GW 93 358	GW 93 378	GW 93 388	GW 93 398	
	12500	C	50			GW 92 812	GW 92 852	GW 92 872	GW 92 892				
			63			GW 92 813	GW 92 853	GW 92 873	GW 92 893				
	15000	C	32			GW 92 810	GW 92 850	GW 92 870	GW 92 890				
			40			GW 92 811	GW 92 851	GW 92 871	GW 92 891				
2000	C	25			GW 92 809	GW 92 849	GW 92 869	GW 92 889					
25000	C	6			GW 92 805	GW 92 845	GW 92 865	GW 92 885					
		10			GW 92 806	GW 92 846	GW 92 866	GW 92 886					
		16			GW 92 807	GW 92 847	GW 92 867	GW 92 887					
		20			GW 92 808	GW 92 848	GW 92 868	GW 92 888	GW 93 201	GW 93 221	GW 93 231	GW 93 241	
		25							GW 93 202	GW 93 222	GW 93 232	GW 93 242	
		32							GW 93 203	GW 93 223	GW 93 233	GW 93 243	
		40							GW 93 204	GW 93 224	GW 93 234	GW 93 244	
		50							GW 93 205	GW 93 225	GW 93 235	GW 93 245	
		63							GW 93 206	GW 93 226	GW 93 236	GW 93 246	

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 Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibero.com.kz

90 RCD Range

Modular devices for residual current protection

ADD-ON RESIDUAL CURRENT DEVICES (EN 61009-1 APP. G)													
		BD						BDHP					
Type	I Δ n [mA]	2P		3P		4P		2P		3P		4P	
		In \leq 25	In \leq 63	In \leq 25	In \leq 63	In \leq 25	In \leq 63	In \leq 63	In \leq 125	In \leq 63	In \leq 125	In \leq 63	In \leq 125
AC	10	GW 94 401											
	30	GW 94 402	GW 94 412	GW 94 442	GW 94 448	GW 94 422	GW 94 432	GW 95 401	GW 95 406	GW 95 411	GW 95 416	GW 95 421	GW 95 426
	100							GW 95 402	GW 95 407	GW 95 412	GW 95 417	GW 95 422	GW 95 427
	300	GW 94 403	GW 94 413	GW 94 443	GW 94 449	GW 94 423	GW 94 433	GW 95 403	GW 95 408	GW 95 413	GW 95 418	GW 95 423	GW 95 428
	500	GW 94 404	GW 94 414	GW 94 444	GW 94 450	GW 94 424	GW 94 434						
A	30	GW 94 502	GW 94 512	GW 94 542	GW 94 547	GW 94 522	GW 94 532	GW 95 431	GW 95 436	GW 95 441	GW 95 446	GW 95 451	GW 95 456
	100							GW 95 432	GW 95 437	GW 95 442	GW 95 447	GW 95 452	GW 95 457
	300	GW 94 503	GW 94 513	GW 94 543	GW 94 548	GW 94 523	GW 94 533	GW 95 433	GW 95 438	GW 95 443	GW 95 448	GW 95 453	GW 95 458
	500	GW 94 504	GW 94 514	GW 94 544	GW 94 549	GW 94 524	GW 94 534						
A(S)	300		GW 94 563		GW 94 598		GW 94 583	GW 95 463	GW 95 468	GW 95 473	GW 95 478	GW 95 483	GW 95 488
	1000		GW 94 565		GW 94 600		GW 94 585	GW 95 465	GW 95 470	GW 95 475	GW 95 480	GW 95 485	GW 95 490
A reg.	300-3000											GW 95 511	GW 95 512

LOCAL RCD PROTECTION					
		RCD SAFETY SOCKET (TYPE A)		RCD SAFETY UNIT (TYPE A)	
In [A]	I Δ n [mA]				
		IP 21		IP 44	
		GW 95 921		GW 95 923	
16	10	GW 95 921		GW 95 923	
	30	GW 95 922		GW 95 924	
		IP 41		GW 95 925	
				GW 95 926	

HOUSING FOR SURFACE MOUNTING					
		SUITABLE FOR RCD SAFETY SOCKET		SUITABLE FOR RCD SAFETY UNIT	
		IP 21		IP 44	
		GW 95 927		GW 95 928	
				IP 41	
				GW 95 927	

90 AM Range

Modular Accessories



ELECTRICAL AUXILIARIES									
Auxiliary switch	Fault indicator switch	Switch configurable (aux./fault)	Tripping release		Undervoltage release		ReSTART		
0,5 mod.	0,5 mod.	0,5 mod.			1 mod.			Rm PRO 4P	3 mod.
GW 96 001	GW 96 006	GW 96 009	12-48V ac/dc	GW 96 011	230V ac	GW 96 016	For MDC 30mA		GW 90 986
			110-125V dc 110-415V ac	GW 96 012	24V ac/dc	GW 96 017	For MDC 300mA		GW 90 988
					48V ac/dc	GW 96 018			
0,5 mod.	0,5 mod.				0,5 mod.			Rd PRO 4P	3 mod.
25÷100A GW 96 003	25÷100A GW 96 004		230V ac SD 25-100A	GW 96 015			For SD 30/100mA		GW 90 966
125A GW 96 005							For SD 300/500mA		GW 90 968

COMPLEMENTARY ITEMS										
Pin Busbar		Fork Busbar		Isolated terminal for busbar	Busbar end cap	Protection cap				
12 mod.		1 meter				5 pieces				
For MT-MDC	1P	GW 96 984	GW 96 988	GW 96 992	GW 96 996	GW 96 961	GW 96 963	GW 96 967		
	2P	GW 96 985	GW 96 989	GW 96 993	GW 96 997		GW 96 964			
	3P	GW 96 986	GW 96 990	GW 96 994	GW 96 998		GW 96 965			
	4P	GW 96 987	GW 96 991	GW 96 995	GW 96 999		GW 96 966			
13 mod.							5 pieces			
For MTC	phase 1P	GW 96 500				GW 96 503		GW 96 967		
	neutral 1P	GW 96 501								
12 mod.							5 pieces			
For SD 2P	2P+10 MTC 2P	GW 96 504					GW 96 967			
For SD 4P 3 mod.	4P+9 MT 1P			GW 96 969						

	MTC-MT-MDC	MTHP	SD	
Sealable screw caps	GW 96 022	GW 96 026	2P - 2 mod.	GW 96 036
			4P - 3 mod.	GW 96 038
			4P - 4 mod.	GW 96 039

	MTC-MT-MDC-MTHP
Interlock facility	GW 96 041





MOTOR PROTECTION SWITCHES AND ACCESSORIES					
In (A)	Modules	Accessories			
0,1 ÷ 0,16	3	GW 96 751	Auxiliary switch	0,5 mod.	GW 96 764
0,16 ÷ 0,25		GW 96 752	Switch configurable (aux./fault)	0,5 mod.	GW 96 765
0,25 ÷ 0,4		GW 96 753	Tripping release 110-400V ac	1 mod.	GW 96 767
0,4 ÷ 0,63		GW 96 754	Under voltage release 230V ac	1 mod.	GW 96 769
0,63 ÷ 1		GW 96 755	Under voltage release 400V ac	1 mod.	GW 96 770
1 ÷ 1,6		GW 96 756	Surface-mounting box IP54		GW 96 771
1,6 ÷ 2,5		GW 96 757			
2,5 ÷ 4		GW 96 758			
4 ÷ 6,3		GW 96 759			
6,3 ÷ 10		GW 96 760			
10 ÷ 16		GW 96 761			
16 ÷ 25		GW 96 762			
25 ÷ 40	GW 96 763				

EARTH LEAKAGE RELAY		
	Dimension	
Residual current relay	3 mod.	GW 96 331
Solid-core current transformer	Ø 35 mm	GW 96 332
Solid-core current transformer	Ø 80 mm	GW 96 333
Solid-core current transformer	Ø 110 mm	GW 96 334
Solid-core current transformer	Ø 210 mm	GW 96 335
Split-core current transformer	Ø 110 mm	GW 96 336
Split-core current transformer	Ø 210 mm	GW 96 337

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 Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com





90 AM Range

Modular Accessories

ON/OFF SWITCHES						DISCONNECTABLE FUSEHOLDERS						
												
In [A]	1 mod.		2,5 mod.	1 mod.	2,5 mod.	1 mod.	1 mod.	2 mod.	2 mod.	3 mod.	4 mod.	
	1P	2P	2P	3P	3P	4P	1P	1P + N	2P	3P	3P + N	
16	GW 96 241	GW 96 246		GW 96 251		GW 96 256		GW 96 206	GW 96 216	GW 96 301	GW 96 306	GW 96 311
20												
25	GW 96 242	GW 96 247		GW 96 252		GW 96 257		GW 96 205	GW 96 215	GW 96 302	GW 96 307	GW 96 312
32	GW 96 243	GW 96 248		GW 96 253		GW 96 258						
40			GW 96 249		GW 96 254							
50												
63			GW 96 250		GW 96 255		GW 96 207	GW 96 217	GW 96 303	GW 96 308	GW 96 313	

MOMENTARY RELAYS - 16A					IMPULSE RELAYS - 16A					IMPULSE RELAYS WITH CENTRAL CONTROL - 16A			
													
	Rated Voltage (V)				Rated Voltage (V)				Rated Voltage (V)				
Type		8	12	24	230		8	12	24	230		24	230
1NO	1 mod.	GW 96 604	GW 96 601	GW 96 602	GW 96 603	1 mod.	GW 96 624	GW 96 621	GW 96 622	GW 96 623	1 mod.	GW 96 652	GW 96 653
2NO	1 mod.				GW 96 615	1 mod.		GW 96 636	GW 96 637	GW 96 638	2 mod.	GW 96 662 GW 96 664*	GW 96 663
3NO											2 mod.	GW 96 667 GW 96 669*	GW 96 668
4NO	2 mod.		GW 96 616	GW 96 617	GW 96 618	2 mod.		GW 96 641	GW 96 642	GW 96 643			
1NO+NC	1 mod.		GW 96 606	GW 96 607	GW 96 608	1 mod.		GW 96 631	GW 96 632	GW 96 633			
1CO	1 mod.	GW 96 921	GW 96 922 GW 96 925*	GW 96 923 GW 96 926*	GW 96 924	1 mod.	GW 96 625	GW 96 626	GW 96 627 GW 96 630*	GW 96 628	1 mod.	GW 96 657 GW 96 659*	GW 96 658
2CO	1 mod.	GW 96 614	GW 96 611	GW 96 612 GW 96 932*	GW 96 613	1 mod.			GW 96 673 GW 96 676*	GW 96 674			

* DC Voltage

CONTACTORS							VOLTAGE SURGE LIMITERS				
											
Coil voltage [V]	24	230	24	230	230	230		1 mod.	2 mod.	4 mod.	
Type	20*		24**		40***	63***	Rated current	1P	1P + N	3P + N	
1NO	GW 96 702	GW 96 701	GW 96 711	GW 96 715	GW 96 721	GW 96 731	10kA* - 8/20 μs 15kA - 8/20 μs 40kA - 8/20 μs	GW 96 461	GW 96 466 GW 96 471	GW 96 467 GW 96 472	
2NO		GW 96 704		GW 96 712	GW 96 722	GW 96 732					
3NO		GW 96 706**		GW 96 713	GW 96 723	GW 96 733					
4NO		GW 96 708**									
2NC		GW 96 705									
4NC											
1NO + 1NC		GW 96 703									
*Day / Night 2NO		GW 96 691									
**Day / Night 3NO		GW 96 692									
**Day / Night 4NO		GW 96 693									

* 1 module - ** 2 modules - *** 3 modules.

* = For telephone line.

Day/Night: contactors with 3 position switch (ON - OFF - Automatic).

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90 AM Range

Modular Accessories



SAFETY TRANSFORMERS				BELL TRANSFORMERS			SWITCH DISCONNECTORS				
Type	3 mod.	4 mod.	6 mod.	Type	2 mod.	3 mod.	In (A)	1 P	2 P	3 P	4 P
15VA - 12/24V 25VA - 12/24V 40VA - 12/24V 63VA - 12/24V	GW 96 321 GW 96 322	GW 96 323	GW 96 324	5VA - 12V 10VA - 12V 15VA - 12V 30VA - 12V 40VA - 12V	GW 96 421 GW 96 423 GW 96 425	GW 96 431 GW 96 433	32 40 63 80 100 125	GW 96 104 GW 96 105 GW 96 146 GW 96 147 GW 96 148 GW 96 149	GW 96 114 GW 96 115 GW 96 156 GW 96 157 GW 96 158 GW 96 159	GW 96 124 GW 96 125 GW 96 166 GW 96 167 GW 96 168 GW 96 169	GW 96 134 GW 96 135 GW 96 176 GW 96 177 GW 96 178 GW 96 179

INDICATOR LAMPS AND ILLUMINATED PUSH-BUTTONS					BELLS, BUZZERS, TIMING RELAY		
Rated Voltage (V)	24	230	24	230	Type	1 mod.	2 mod.
Colour	1 mod.				Bells - 12 V Bells - 230 V Buzzers - 12 V Buzzers - 230 V Combined transformer - bell - buzzer Multifunction timer Operating hour meter Staircase light timing switch Staircase light timing switch - off - warning Biocomfort main disconnection switch	GW 96 401 GW 96 402 GW 96 406 GW 96 407 GW 96 811 GW 96 810 GW 96 812 GW 96 339	GW 96 403* GW 96 408* GW 96 411* GW 96 881
	Indicator Lamps		Push-Buttons				
Transparent Red Green Yellow Bleu Without illumination	GW 96 261 GW 96 262 GW 96 263 GW 96 264 GW 96 265	GW 96 271 GW 96 272 GW 96 273 GW 96 274 GW 96 275	GW 96 281 GW 96 282 GW 96 283 GW 96 284 GW 96 285	GW 96 291 GW 96 292 GW 96 293 GW 96 294 GW 96 295 GW 96 299			

* Safety transformer 24 Vac included.

TIME AND PHOTOELECTRIC SWITCHES				MEASUREMENT			CURRENT TRANSFORMER		
Type	1 mod.	2 mod.	3 mod.	Type	1 mod.	3 mod.	6 mod.	Rated current (A)	
Daily analogue time switch Daily analogue time switch without running reserve Weekly analogue time switch Daily/weekly digital programmer (1 CO) Daily/weekly digital programmer (1 CO) Daily/weekly digital programmer (2 CO) Photoelectric cells with digital programmer Photoelectric cells Astro switch	GW 96 836 GW 96 830 GW 96 843 GW 96 844 GW 96 845 GW 96 892	GW 96 844 GW 96 845 GW 96 821	GW 96 831 GW 96 832 GW 96 891	Analogue voltmeter 0-300 V Analogue voltmeter 0-500 V Digital voltmeter 0-600 V Analogue ammeter 10 A Analogue ammeter 20 A Analogue ammeter 30 A Digital ammeter 15-1000A Compact single-phase energy meter 25A Single-phase energy meter 32A Direct connection three-phase energy meter 30A Three-phase energy meter with transformer 5A Multifunction meter Voltmeter selector switches 4 position Ph-N Voltmeter selector switches 4 position Ph-Ph Voltmeter selector switches 7 position Ammeter selector switch 4 position	GW 96 889	GW 96 861 GW 96 862 GW 96 866 GW 96 871 GW 96 872 GW 96 873 GW 96 877 GW 96 886 GW 96 851 GW 96 852 GW 96 853 GW 96 856	GW 96 887 GW 96 888 GW 96 896*	15 25 40 50 60 100 150 250 400 600 1000 1200 1500	GW 96 441 GW 96 442 GW 96 443 GW 96 444 GW 96 445 GW 96 446 GW 96 447 GW 96 448 GW 96 449 GW 96 450 GW 96 451 GW 96 452 GW 96 453

* 5 modules.

DIN RAIL SOCKETS					
	Code	N. poles	Standard	Rated current (A)	Modules
	GW 96 512	2P + E - 230V	German	16	2,5
	GW 96 513	2P - 230V	German	16	2,5
	GW 96 514	2P + E - 230V	Danish	16	2,5
	GW 96 511	2P + E - 230V	French	16	2,5

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Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

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GEWISS S.p.A. - Via A. Volta, 1 - 24069 CENATE SOTTO (Bergamo) - Italy
Tel. +39 035 946 111 - Fax +39 035 945 222
gewiss@gewiss.com - www.gewiss.com

ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com