GEWISS

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Selection tables

Icn [A] (EN 61009-1)	Curve	Type	In [A]	COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION							
				IΔn = 30mA				IΔn = 300mA			
				1P+N	2P	3P	4P	1P+N	2P	3P	4P
				2 mod.	2 mod.	3 mod.	4 mod.	2 mod.	2 mod.	3 mod.	4 mod.
				MDC 45							
4500	C	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 94 205	GW 94 225	GW 94 245	GW 94 265	GW 94 215	GW 94 235	GW 94 255	GW 94 275
			10	GW 94 206	GW 94 226	GW 94 246	GW 94 266	GW 94 216	GW 94 236	GW 94 256	GW 94 276
			13	GW 94 211	GW 94 231	GW 94 251	GW 94 271	-	-	-	-
			16	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 94 208	GW 94 228	GW 94 248	GW 94 268	GW 94 218	GW 94 238	GW 94 258	GW 94 278
			25	GW 94 209	GW 94 229	GW 94 249	GW 94 269	GW 94 219	GW 94 239	GW 94 259	GW 94 279
			32	GW 94 210	GW 94 230	GW 94 250	GW 94 270	GW 94 220	GW 94 240	GW 94 260	GW 94 280
				MDC 60							
6000	C	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 94 305	GW 94 325	GW 94 345	GW 94 365	GW 94 315	GW 94 335	GW 94 355	GW 94 375
			10	GW 94 306	GW 94 326	GW 94 346	GW 94 366	GW 94 316	GW 94 336	GW 94 356	GW 94 376
			13	GW 94 311	GW 94 331	GW 94 351	GW 94 371	-	-	-	-
			16	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 94 308	GW 94 328	GW 94 348	GW 94 368	GW 94 318	GW 94 338	GW 94 358	GW 94 378
			25	GW 94 309	GW 94 329	GW 94 349	GW 94 369	GW 94 319	GW 94 339	GW 94 359	GW 94 379
			32	GW 94 310	GW 94 330	GW 94 350	GW 94 370	GW 94 320	GW 94 340	GW 94 360	GW 94 380
		A[IR]	6	-	GW 95 805	-	GW 95 815	-	-	-	-
			10	-	GW 95 806	-	GW 95 816	-	-	-	-
			13	-	GW 95 811	-	GW 95 821	-	-	-	-
			16	-	GW 95 807	-	GW 95 817	-	-	-	-
			20	-	GW 95 808	-	GW 95 818	-	-	-	-
			25	-	GW 95 809	-	GW 95 819	-	-	-	-
			32	-	GW 95 810	-	GW 95 820	-	-	-	-
		A[S]	16	-	-	-	-	-	GW 95 847	-	GW 95 857
			20	-	-	-	-	-	GW 95 848	-	GW 95 858
			25	-	-	-	-	-	GW 95 849	-	GW 95 859
			32	-	-	-	-	-	GW 95 850	-	GW 95 860
	B	A	6	GW 95 105	GW 95 125	GW 95 145	GW 95 165	GW 95 115	GW 95 135	GW 95 155	GW 95 175
			10	GW 95 106	GW 95 126	GW 95 146	GW 95 166	GW 95 116	GW 95 136	GW 95 156	GW 95 176
			13	GW 95 111	GW 95 131	GW 95 151	GW 95 171	-	-	-	-
			16	GW 95 107	GW 95 127	GW 95 147	GW 95 167	GW 95 117	GW 95 137	GW 95 157	GW 95 177
			20	GW 95 108	GW 95 128	GW 95 148	GW 95 168	GW 95 118	GW 95 138	GW 95 158	GW 95 178
			25	GW 95 109	GW 95 129	GW 95 149	GW 95 169	GW 95 119	GW 95 139	GW 95 159	GW 95 179
			32	GW 95 110	GW 95 130	GW 95 150	GW 95 170	GW 95 120	GW 95 140	GW 95 160	GW 95 180

Icn [A] (EN 61009-1)	Curve	Type	In [A]	COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION				
				IΔn = 30mA		IΔn = 100mA	IΔn = 300mA	
				1P+N	2P	2P	1P+N	2P
				2 mod.	2 mod.	2 mod.	2 mod.	2 mod.
				MDC 100				
10000	C	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 95 205	GW 95 225	GW 95 785	GW 95 215	GW 95 235
			10	GW 95 206	GW 95 226	GW 95 786	GW 95 216	GW 95 236
			13	GW 95 211	GW 95 231	GW 95 791	-	-
			16	GW 95 207	GW 95 227	GW 95 787	GW 95 217	GW 95 237
			20	GW 95 208	GW 95 228	GW 95 788	GW 95 218	GW 95 238
			25	GW 95 209	GW 95 229	GW 95 789	GW 95 219	GW 95 239
			32	GW 95 210	GW 95 230	GW 95 790	GW 95 220	GW 95 240
		A[IR]	6	-	GW 95 825	-	-	-
			10	-	GW 95 826	-	-	-
			13	-	GW 95 831	-	-	-
			16	-	GW 95 827	-	-	-
			20	-	GW 95 828	-	-	-
			25	-	GW 95 829	-	-	-
			32	-	GW 95 830	-	-	-
	B	A	6	-	GW 95 325	GW 95 795	-	GW 95 335
			10	-	GW 95 326	GW 95 796	-	GW 95 336
			13	-	GW 95 331	GW 95 801	-	-
			16	-	GW 95 327	GW 95 797	-	GW 95 337
			20	-	GW 95 328	GW 95 798	-	GW 95 338
			25	-	GW 95 329	GW 95 799	-	GW 95 339
			32	-	GW 95 330	GW 95 800	-	GW 95 340
		A[IR]	6	-	GW 95 835	-	-	-
			10	-	GW 95 836	-	-	-
			13	-	GW 95 841	-	-	-
			16	-	GW 95 837	-	-	-
			20	-	GW 95 838	-	-	-
			25	-	GW 95 839	-	-	-
			32	-	GW 95 840	-	-	-

Type	IΔn [mA]	ADD-ON RESIDUAL CURRENT DEVICES (EN 61009-1 APP. G)								
		BD						BDHP		
		2P		3P		4P		2P	3P	4P
		2 mod.		3,5 mod.		3,5 mod.		4 mod.	6 mod.	6 mod.
		In≤25 A	In≤63 A	In≤25 A	In≤63 A	In≤25 A	In≤63 A	In≤125 A	In≤125 A	In≤125 A
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 95 406	GW 95 416	GW 95 426
	300	GW 94 403	GW 94 413	GW 94 443	GW 94 449	GW 94 423	GW 94 433	GW 95 408	GW 95 418	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 95 436	GW 95 446	GW 95 456
	300	GW 94 503	GW 94 513	GW 94 543	GW 94 548	GW 94 523	GW 94 533	GW 95 438	GW 95 448	GW 95 458
	500	GW 94 504	GW 94 514	GW 94 544	GW 94 549	GW 94 524	GW 94 534	-	-	-
A[IR]	30	GW 94 566		GW 94 595		GW 94 586		-	-	-
A[S]	300	GW 94 563		GW 94 598		GW 94 583		GW 95 468	GW 95 478	GW 95 488
	1000	GW 94 565		GW 94 600		GW 94 585		GW 95 470	GW 95 480	GW 95 490
A reg.	300-3000	-		-		-		-	-	GW 95 512

In [A]	Ue [V]	Type	IΔn [mA]	RCD SAFETY SOCKET		FLUSH-MOUNTING RCD	HOUSING FOR SURFACE-MOUNTING
				IP21	IP44	IP41	IP44
16	230	A	10	GW 95 921	GW 95 923	GW 95 925	GW 95 928
			30	GW 95 922	GW 95 924	GW 95 926	

			RESIDUAL CURRENT CIRCUIT BREAKERS (EN 61008-1)			
			SD			
			2P	4P		
In [A]	Type	IΔn [mA]	2 mod.	3 mod.	4 mod.	4 mod. **
25	AC	10	GW 94 616	-	-	-
		30	GW 94 617	GW 94 662	GW 94 697	GW 94 637
		100	GW 94 618	-	GW 94 698	-
		300	GW 94 619	GW 94 664	GW 94 699	GW 94 639
	A	10	GW 94 816	GW 94 866	-	-
		30	GW 94 817	GW 94 867	GW 94 877	GW 94 552
		100	GW 94 818	-	GW 94 878	-
		300	GW 94 819	GW 94 869	GW 94 879	GW 94 554
	A[IR]	30	GW 95 651	-	GW 95 676	-
		300	-	-	GW 95 678	-
	B[IR]	30	GW 95 701 *	-	GW 95 716	-
		300	-	-	GW 95 718	-
40	AC	30	GW 94 627	GW 94 667	GW 94 707	GW 94 647
		100	GW 94 628	GW 94 668	GW 94 708	-
		300	GW 94 629	GW 94 669	GW 94 709	GW 94 649
		500	GW 94 630	GW 94 670	GW 94 710	-
	A	30	GW 94 827	GW 94 897	GW 94 927	GW 94 557
		100	GW 94 828	GW 94 898	GW 94 928	-
		300	GW 94 829	GW 94 899	GW 94 929	GW 94 559
		500	GW 94 830	GW 94 900	GW 94 930	-
	A[IR]	30	GW 95 656	-	GW 95 681	-
		300	-	-	GW 95 683	-
	A[S]	300	GW 94 924	-	GW 94 966	-
	B[IR]	30	GW 95 706 *	-	GW 95 721	-
		300	-	-	GW 95 723	-
63	AC	30	GW 94 790	-	GW 94 757	GW 94 717
		100	GW 94 791	-	GW 94 758	-
		300	GW 94 792	-	GW 94 759	GW 94 719
		500	GW 94 789	-	GW 94 760	-
	A	30	GW 94 837	-	GW 94 937	GW 94 907
		100	GW 94 838	-	GW 94 938	-
		300	GW 94 839	-	GW 94 939	GW 94 909
		500	GW 94 840	-	GW 94 940	-
	A[IR]	30	GW 95 661	-	GW 95 686	-
		300	-	-	GW 95 688	-
	A[S]	300	GW 94 934	-	GW 94 976	-
	B[IR]	30	-	-	GW 95 726	-
		300	-	-	GW 95 728	-
		500	-	-	GW 95 729	-
	B[S]	300	-	-	GW 95 737	-
80	AC	30	GW 94 793	-	GW 94 761	GW 94 727
		100	GW 94 794	-	GW 94 771	-
		300	GW 94 795	-	GW 94 766	GW 94 728
	A	30	GW 94 847	-	GW 94 947	-
		100	GW 94 848	-	GW 94 948	-
		300	GW 94 849	-	GW 94 949	-
	A[S]	300	GW 94 944	-	GW 94 986	-
	B[IR]	30	-	-	GW 95 731	-
		300	-	-	GW 95 733	-
	B[S]	300	-	-	GW 95 743	-
100	AC	30	-	-	GW 94 777	GW 94 737
		100	-	-	GW 94 778	-
		300	-	-	GW 94 779	GW 94 739
		500	-	-	GW 94 780	-
	A	30	-	-	GW 94 957	-
		100	-	-	GW 94 958	-
		300	-	-	GW 94 959	-
		500	-	-	GW 94 960	-
	A[IR]	30	-	-	GW 95 696	-
		300	-	-	GW 95 698	-
	A[S]	300	-	-	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	-
		500	-	-	GW 95 609	-

* 4 modules

** RCD's with neutral on the left

RCCB - SD

Technical data

TYPE				SD							
Standard				EN 61008-1							
Type				AC							
Rated current (In)			(A)	25		40		63		80	
Rated operational voltage (Ue)	2P		(V AC)	230		230		230		230	
	4P			400		400		400		400	
Insulation voltage (Ui)			(V)	500		500		500		500	
Rated frequency			(Hz)	50		50		50		50	
Number of poles				2	4	2	4	2	4	2	4
Rated residual operating current (n. of modules in brackets)											
	IΔn (mA)	10		• (2)							
		30		• (2)	• (3, 4)	• (2)	• (3, 4)	• (2)	• (4)	• (2)	• (4)
		100		• (2)	• (4)	• (2)	• (3, 4)	• (2)	• (4)	• (2)	• (4)
		300		• (2)	• (3, 4)	• (2)	• (3, 4)	• (2)	• (4)	• (2)	• (4)
		500				• (2)	• (3, 4)	• (2)	• (4)		
Level of immunity (8/20 µs)			(A)	250		250		250		250	
Residual making and breaking capacity (IΔm)			(A)	630		630		630		800	
Range of test-button operating voltage	2P		(V)	100 ÷ 253		100 ÷ 253		100 ÷ 253		100 ÷ 253	
	4P		(V)	170 ÷ 440		170 ÷ 440		170 ÷ 440		170 ÷ 440	
Wiring	cable section (mm^2)	rigid		≤35		≤35		≤35		≤35	
		flexible		≤35 (≤ 25 4P 3M)		≤35 (≤ 25 4P 3M)		≤35		≤35	
Rated tightening torque			(Nm)	2		2		2		2	
Upline/downline power supply				yes		yes		yes		yes	
Degree of protection				IP20		IP20		IP20		IP20	
Tropicalization				55°C - RH 95%		55°C - RH 95%		55°C - RH 95%		55°C - RH 95%	
Operating temperature			(°C)	-25 +40		-25 +40		-25 +40		-25 +40	
Weight per pole			(g)	95		95		95		95	
Rated conditional residual short-circuit current with MCB (IΔc)			(kA)	2P	4P	2P	4P	2P	4P	2P	4P
	MTC 45			4.5	4.5	4.5	4.5				
	MTC 60			6	6	6	6				
	MT 60			6	6	6	6	6	6		
	MT 100			10	10	10	10	10	10		
	MT 250			10	10	10	10	10	10		
	MTHP 160							10	10	10	10
	MTHP 250			10	10	10	10	10	10		
Rated conditional residual short-circuit current with fuse	IΔc (A)	2P		6000 (gL 63A)		6000 (gL 63A)		6000 (gL 63A)		6000 (gL 80A)	
		4P 3 mod.		6000 (gL 63A)		6000 (gL 63A)					
		4P 4 mod.		10000 (gL 80A)		10000 (gL 80A)		10000 (gL 80A)		10000 (gL 80A)	

SD							
EN 61008-1							
AC		A					
100	125	25	40	63	80	100	125
		230	230	230	230		
400	400	400	400	400	400	400	400
500	500	500	500	500	500	500	500
50	50	50	50	50	50	50	50
4	4	2 4	2 4	2 4	2 4	4	4
		• (2) • (3)					
• (4)	• (4)	• (2) • (3, 4)	• (2) • (3, 4)	• (2) • (4)	• (2) • (4)	• (4)	• (4)
• (4)		• (2) • (4)	• (2) • (3, 4)	• (2) • (4)	• (2) • (4)	• (4)	
• (4)	• (4)	• (2) • (3, 4)	• (2) • (3, 4)	• (2) • (4)	• (2) • (4)	• (4)	• (4)
• (4)	• (4)		• (2) • (3, 4)	• (2) • (4)		• (4)	• (4)
250	250	250	250	250	250	250	250
1000	1250	630	630	630	800	1000	1250
		100 ÷ 253	100 ÷ 253	100 ÷ 253	100 ÷ 253	100 ÷ 253	
170 ÷ 440	220 ÷ 415	170 ÷ 440	170 ÷ 440	170 ÷ 440	170 ÷ 440	170 ÷ 440	220 ÷ 415
≤35 ≤35	≤50 (4P)	≤35 ≤35 (≤ 25 4P 3M)	≤35 ≤35 (≤ 25 4P 3M)	≤35 ≤35	≤35 ≤35	≤35 ≤35	≤50 (4P)
2	3	2	2	2	2	2	3
yes	yes	yes	yes	yes	yes	yes	yes
IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
55°C - RH 95%	55°C - RH 95%	55°C - RH 95%	55°C - RH 95%	55°C - RH 95%	55°C - RH 95%	55°C - RH 95%	55°C - RH 95%
-25 +40	-25 +40	-25 +40	-25 +40	-25 +40	-25 +40	-25 +40	-25 +40
95	95	95	95	95	95	95	95
4P	4P	2P 4P	2P 4P	2P 4P	2P 4P	4P	4P
		4,5 4,5	4,5 4,5				
		6 6	6 6				
		6 6	6 6	6 6			
		10 10	10 10	10 10			
		10 10	10 10	10 10			
10	10			10 10	10 10	10	10
		10 10	10 10	10 10			
6000 (gL 100A)		6000 (gL 63A)	6000 (gL 63A)	6000 (gL 63A)	6000 (gL 80A)	6000 (gL 100A)	
		6000 (gL 63A)	6000 (gL 63A)				
10000 (gL 100A)	10000 (gL 125A)	10000 (gL 80A)	10000 (gL 80A)	10000 (gL 80A)	10000 (gL 80A)	10000 (gL 100A)	10000 (gL 125A)

Technical data

TYPE				SD							
Standard				EN 61008-1							
Type				A[IR]							
Rated current (In)			(A)	25		40		63		100	
Rated operational voltage (Ue)	2P		(V AC)	230		230		230			
	4P			400		400		400		400	
Insulation voltage (Ui)			(V)	500		500		500		500	
Rated frequency			(Hz)	50		50		50		50	
Number of poles				2	4	2	4	2	4	4	
Rated residual operating current (n. of modules in brackets)											
	impulse-resistant (IR)	30		• (2)	• (4)	• (2)	• (4)	• (2)	• (4)	• (4)	
		300			• (4)		•(4)		• (4)	• (4)	
		500									
	selective (S)	300									
Level of immunity (8/20 µs)			(A)	3000		3000		3000		3000	
Residual making and breaking capacity (IΔm)			(A)	630		630		630		1000	
Range of test-button operating voltage	2P		(V)	100 - 253		100 - 253		100 - 253			
	4P		(V)	170 - 440		170 - 440		170 - 440		170 - 440	
Wiring	cable section (mm²)	rigid		≤35		≤35		≤35		≤35	
		flexible		≤35		≤35		≤35		≤35	
Rated tightening torque (Nm):				2		2		2		2	
Upline/downline power supply				yes		yes		yes		yes	
Degree of protection				IP20		IP20		IP20		IP20	
Tropicalization				55°C - RH 95%		55°C - RH 95%		55°C - RH 95%		55°C - RH 95%	
Operating temperature			(°C)	-25 +40		-25 +40		-25 +40		-25 +40	
Weight per pole			(g)	95		95		95		95	
Rated conditional residual short-circuit current with MCB (IΔc)			(kA)	2P	4P	2P	4P	2P	4P	4P	
		MTC 45		4.5	4.5	4.5	4.5				
		MTC 60		6	6	6	6				
		MT 60		6	6	6	6	6	6		
		MT 100		10	10	10	10	10	10		
		MT 250		10	10	10	10	10	10		
		MTHP 160						10	10	10	
		MTHP 250		10	10	10	10	10	10		
Rated conditional residual short-circuit current with fuse	IΔc (A)	2P		6000 (gL 63A)		6000 (gL 63A)		6000 (gL 63A)		6000 (gL 100A)	
		4P		10000 (gL 80A)		10000 (gL 80A)		10000 (gL 80A)		10000 (gL 100A)	

	SD									
	EN 61008-1				EN 61008-1					
	A[S]				B[IR]				B[S]	
	40	63	80	100	25	40	63	80	63	80
	230	230	230		230	230	-	-	-	-
	400	400	400	400	400	400	400	400	400	400
	500	500	500	500	500	500	500	500	500	500
	50	50	50	50	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
	2 4	2 4	2 4	4	2 4	2 4	4	4	4	4
					• (4) • (4)	• (4) • (4)	• (4)	• (4)		
					• (4)	• (4)	• (4)	• (4)	• (4)	• (4)
							• (4)			
	• (2) • (4)	• (2) • (4)	• (2) • (4)	• (4)					• (4)	• (4)
	3000	3000	3000	3000	3000	3000	3000	3000	5000	5000
	630	630	1000 (2P) - 800 (4P)	1000	800	800	800	800	800	800
	100 - 253	100 - 253	100 - 253		150 - 440	150 - 440	-	-	-	-
	170 - 440	170 - 440	170 - 440	170 - 440	150 - 440	150 - 440	150 - 440	150 - 440	150 - 440	150 - 440
	≤35 ≤35	≤35 ≤35	≤35 ≤35	≤35 ≤35	≤25 ≤25	≤25 ≤25	≤25 ≤25	≤25 ≤25	≤25 ≤25	≤25 ≤25
	2	2	2	2	2.5	2.5	2.5	2.5	2.5	2.5
	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
	55°C - RH 95%	55°C - RH 95%	55°C - RH 95%	55°C - RH 95%	55°C - RH 95%	55°C - RH 95%	55°C - RH 95%	55°C - RH 95%	55°C - RH 95%	55°C - RH 95%
	-25 +40	-25 +40	-25 +40	-25 +40	-25 +45	-25 +45	-25 +45	-25 +45	-25 +45	-25 +45
	95	95	95	95	110	110	110	110	110	110
	2P 4P	2P 4P	2P 4P	4P	2P 4P	2P 4P	4P	4P	4P	4P
	4.5 4.5				4.5 4.5	4.5 4.5				
	6 6				6 6	6 6				
	6 6	6 6			6 6	6 6	6		6	
	10 10	10 10			10 10	10 10	10		10	
	10 10	10 10			10 10	10 10	10		10	
		10 10	10 10	10			10	10	10	10
	10 10	10 10			10 10	10 10	10		10	
	6000 (gL 63A)	6000 (gL 80A)	6000 (gL 80A)	6000 (gL 100A)	10000 (gL 100A)	10000 (gL 100A)	10000 (gL 100A)	10000 (gL 100A)	10000 (gL 100A)	10000 (gL 100A)
	10000 (gL 80A)	10000 (gL 80A)	10000 (gL 80A)	10000 (gL 100A)	10000 (gL 100A)	10000 (gL 100A)	10000 (gL 100A)	10000 (gL 100A)	10000 (gL 100A)	10000 (gL 100A)

ReStart with Autotest

Selection tables

Automatic reclosing devices with circuit safety check and automatic test.

	COUPLED VERSIONS WITH RCCB'S			
	2 poles		4 poles	
	5 mod.		7 mod.	
	IΔn = 30 mA		IΔn = 30 mA	IΔn = 300 mA
In (A)	A[IR] type	A[IR] - PRO type	A[IR] - PRO type	
25	GW 90 901 N	GW 90 911	GW 90 921	GW 90 927
40	GW 90 902 N	GW 90 912	GW 90 922	GW 90 928
63	-	GW 90 913	GW 90 923	GW 90 929

NOTE: ARD must be supplied with 230 V AC phase-neutral for working.

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 (1)		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	8 (30mA) - 2.5 (300mA)
Rated operating resistance between live parts and earth (Rd):	(kΩ)	70	16	16 (30mA) - 5 (300mA)
Power loss at In:	(W)	2.2 (25A) - 5.4 (40A) - 6.2 (63A)		3.5 (25A) - 6 (40A) - 12 (63A)
Off-load absorbed power:	(VA)	4 (cosφ=0)		
Power absorbed during automatic reclosing:	(VA)	49 (cosφ=0,55)		
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 (2):		3		
Counter reset time no. of consecutive automatic reclosure operations:	(s)	60		
Section of circuit breaker terminals:	(mm²)	≤ 35 flexible cable - ≤ 35 rigid cable		
Rated tightening torque:	(Nm)	2		
Degree of protection:		IP20 (terminals) - IP40 (front)		
Operating temperature:	(°C)	-25 +60 (3)		
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		
Terminal section:	(mm²)	≤ 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	PTC

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

ReStart with Autotest

ReStart with Autotest 2 POLE - Versions coupled with RCCB's

GW90901N

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CHECK OF THE INSULATION AND AUTOMATIC TEST OF THE RESIDUAL CURRENT CIRCUIT BREAKER

Code	Rated current	Idn	Type of RCCB	Rated voltage	No. of modules EN 50022	Pack Carton
GW 90 901 N	25 A	30 mA	A[IR]	230 V	5	1/4
GW 90 902 N	40 A	30 mA	A[IR]	230 V	5	1/4

CHARACTERISTICS: after RCCB has tripped, ReStart checks the insulation prior to the automatic reclosure.
In the event of a fault (earth leakage), ReStart will not reset the circuit breaker. The integrated configurable auxiliary contact will change state to indicate the automatic reset did not take place.
NOTE: the AUTOTEST function automatically and periodically (every 30 days) tests the RCCB, without interrupting the electric power supply, thus maintaining the performance of the residual current protection over time.
230 V ac power supply, phase-neutral.

GW90911

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CHECK OF THE INSULATION AND AUTOMATIC TEST OF THE RESIDUAL CURRENT CIRCUIT BREAKER - PRO VERSION

Code	Rated current	Idn	Type of RCCB	Rated voltage	No. of modules EN 50022	Pack Carton
GW 90 911 ①	25 A	30 mA	A[IR]	230 V	5	1/4
GW 90 912 ①	40 A	30 mA	A[IR]	230 V	5	1/4
GW 90 913 ①	63 A	30 mA	A[IR]	230 V	5	1/4

CHARACTERISTICS: after RCCB has tripped, ReStart checks the insulation prior to the automatic reclosure. In the event of a fault (earth leakage), ReStart will not reset the circuit breaker but will continue to monitor the circuit every 2 minutes reclosing the circuit breaker when safe to do so. In the meantime the integrated configurable auxiliary contact will change state to indicate the automatic reset did not take place.
230 V ac power supply, phase-neutral.
NOTE: the AUTOTEST function automatically and periodically (every 30 days) tests the RCCB, without interrupting the electric power supply, thus for maintaining the performance of the residual current protection over time.
APPLICATIONS: due to the prolonged control over time and the lower control threshold for the insulation, the PRO version is recommended for extensive electrical systems, that are dated or subject to critical ambient conditions (e.g. humidity) that can even temporarily lower the system's insulation level.

ReStart with Autotest 4 POLE - Versions coupled with RCCB's

GW90921

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CHECK OF THE INSULATION AND AUTOMATIC TEST OF THE RESIDUAL CURRENT CIRCUIT BREAKER - PRO VERSION

Code	Rated current	Idn	Type of RCCB	Rated voltage	No. of modules EN 50022	Pack Carton
GW 90 921	25 A	30 mA	A[IR]	400 V	7	1/2
GW 90 922	40 A	30 mA	A[IR]	400 V	7	1/2
GW 90 923	63 A	30 mA	A[IR]	400 V	7	1/2
GW 90 927	25 A	300 mA	A[IR]	400 V	7	1/2
GW 90 928	40 A	300 mA	A[IR]	400 V	7	1/2
GW 90 929	63 A	300 mA	A[IR]	400 V	7	1/2

CHARACTERISTICS: after RCCB has tripped, ReStart checks the insulation prior to the automatic reclosure. In the event of a fault (earth leakage), ReStart will not reset the circuit breaker but will continue to monitor the circuit every 2 minutes reclosing the circuit breaker when safe to do so. In the meantime the integrated configurable auxiliary contact will change state to indicate that the automatic reset did not take place.
NOTE: the AUTOTEST function automatically and periodically (every 30 days) tests the RCCB, without interrupting the electric power supply thus maintaining the performance of the residual current protection over time.

News ④=Available while stocks last ①=April 2013 ②=June 2013 ③=September 2013