

# GEWISS

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# 2004

# 90 MCB RANGE

MODULAR DEVICES FOR CIRCUIT PROTECTION



## SELECTION GUIDE

			MINIATURE CIRCUIT BREAKERS (EN 60898)									
			MTC					MT				
												
l <sub>cn</sub> [A]	Type	l <sub>n</sub> [A]	1P	1P+N	2P	3P	4P	1P	1P+N	2P	3P	4P
			MTC 45					MT 60				
4500	C	6	GW 90 005	GW 90 025	GW 90 045	GW 90 065	GW 90 085					
		10	GW 90 006	GW 90 026	GW 90 046	GW 90 066	GW 90 086					
		16	GW 90 007	GW 90 027	GW 90 047	GW 90 067	GW 90 087					
		20	GW 90 008	GW 90 028	GW 90 048	GW 90 068	GW 90 088					
		25	GW 90 009	GW 90 029	GW 90 049	GW 90 069	GW 90 089					
		32	GW 90 010	GW 90 030	GW 90 050	GW 90 070	GW 90 090					
			MTC 60					MT 60				
6000	C	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 90 205	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 90 206	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
		16	GW 90 207	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 90 208	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
		25	GW 90 209	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 90 210	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
		B	6						GW 92 205		GW 92 245	GW 92 265
	10							GW 92 206		GW 92 246	GW 92 266	GW 92 286
	16							GW 92 207		GW 92 247	GW 92 267	GW 92 287
	20							GW 92 208		GW 92 248	GW 92 268	GW 92 288
	25							GW 92 209		GW 92 249	GW 92 269	GW 92 289
	32							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
	D	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
		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	

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# 90 MCB RANGE

MODULAR DEVICES FOR CIRCUIT PROTECTION



## SELECTION GUIDE

			MINIATURE CIRCUIT BREAKERS (EN 60898)											
			MTC		MT				MTHP					
I <sub>cn</sub> [A]	Type	I <sub>n</sub> [A]	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						
		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	GW92672	GW 92 692						
		63			GW 92 613	GW 92 653	GW92673	GW 92 693						
		80							GW 93 107	GW 93 127	GW 93 137	GW 93 147		
		100							GW 93 108	GW 93 128	GW 93 138	GW 93 148		
	125							GW 93 109	GW 93 129	GW 93 139	GW 93 149			
	D	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 90 703	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					
		16				GW 92 707	GW 92 747	GW 92 767	GW 92 787					
		20				GW 92 708	GW 92 748	GW 92 768	GW 92 788					
		25				GW 92 709	GW 92 749	GW 92 769	GW 92 789					
		32				GW 92 710	GW 92 750	GW 92 770	GW 92 790					
40					GW 92 711	GW 92 751	GW 92 771	GW 92 791						
63								GW 93 156	GW 93 176	GW 93 186	GW 93 196			
80								GW 93 157	GW 93 177	GW 93 187	GW 93 197			
100								GW 93 158	GW 93 178	GW 93 188	GW 93 198			
10000 (16 kA 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						
20000	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 93221	GW 93 231	GW 93 241		
		25							GW 93 202	GW 93222	GW 93 232	GW 93 242		
		32							GW 93 203	GW 93223	GW 93 233	GW 93 243		
		40							GW 93 204	GW 93224	GW 93 234	GW 93 244		
		50							GW 93 205	GW 93225	GW 93 235	GW 93 245		
63							GW 93 206	GW 93226	GW 93 236	GW 93 246				
			MT 250				MTHP 250							









# 90 RCD RANGE

MODULAR DEVICES FOR RESIDUAL CURRENT PROTECTION



## SELECTION GUIDE

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			"MDC" - TYPE C RCBO'S (EN 61009-1)								
			$I\Delta n = 30mA$				$I\Delta n = 300mA$				
$I_{cn}$ [A]	Type	$I_n$ [A]									
			2 mod.	2 mod.	3 mod.	4 mod.	2 mod.	2 mod.	3 mod.	4 mod.	
			<b>MDC 45</b>								
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	
		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	
		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	
				<b>MDC 60</b>							
	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	
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	
		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	
			<b>MDC 100</b>								
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			
	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 95 215	GW 95 235			
		10	GW 95 206	GW 95 226			GW 95 216	GW 95 236			
		16	GW 95 207	GW 95 227			GW 95 217	GW 95 237			
		20	GW 95 208	GW 95 228			GW 95 218	GW 95 238			
		25	GW 95 209	GW 95 229			GW 95 219	GW 95 239			
		32	GW 95 210	GW 95 230			GW 95 220	GW 95 240			

# 90 RCD RANGE

MODULAR DEVICES FOR RESIDUAL CURRENT PROTECTION



## SELECTION GUIDE

### ADD ON RESIDUAL CURRENT DEVICES (EN 61009-1 APP. G)

Type	I $\Delta$ n [mA]	BD						BDHP					
		2P		3P		4P		2P		3P		4P	
		I $\leq$ 25	I $\leq$ 63	I $\leq$ 25	I $\leq$ 63	I $\leq$ 25	I $\leq$ 63	I $\leq$ 63	I $\leq$ 125	I $\leq$ 63	I $\leq$ 125	I $\leq$ 63	I $\leq$ 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 94 244	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

### "SD" - RESIDUAL CURRENT CIRCUIT BREAKERS (EN 61008-1)



In [A]	Type	I $\Delta$ n[mA]	2P		4P	
			2 mod.	3 mod.	3 mod.	4 mod.
16	AC	10	GW 94 601			
	A	10	GW 94 801		GW 94 861	
25	AC	10	GW 94 611			
		30	GW 94 612		GW 94 672	GW 94 692
		300	GW 94 613		GW 94 673	GW 94 693
	A	10	GW 94 811			
		30	GW 94 812		GW 94 872	
		300	GW 94 813		GW 94 873	
40	AC	30	GW 94 622		GW 94 682	GW 94 702
		300	GW 94 623		GW 94 683	GW 94 703
		500	GW 94 624		GW 94 684	GW 94 704
	A	30	GW 94 822		GW 94 882	GW 94 892
		300	GW 94 823		GW 94 883	GW 94 893
		A[S]	300		GW 94 923	GW 94 963
63	AC	30		GW 94 632	GW 94 712	
		300		GW 94 633	GW 94 713	
		500			GW 94 714	
	A	30		GW 94 832	GW 94 902	
		300		GW 94 833	GW 94 903	
		A[S]	300		GW 94 933	GW 94 973
80	AC	30		GW 94 642	GW 94 722	
		300		GW 94 643	GW 94 723	
		500			GW 94 724	
	A	30		GW 94 842	GW 94 912	
		300		GW 94 843	GW 94 913	
		A[S]	300		GW 94 943	GW 94 983
100	AC	30		GW 94 652	GW 94 732	
		300		GW 94 653	GW 94 733	
		500			GW 94 734	
	A	30		GW 94 852	GW 94 916	
		300		GW 94 853	GW 94 917	
		A[S]	300		GW 94 953	GW 94 993



# 97 MTS RANGE

MOULDED-CASE DEVICES FOR POWER DISTRIBUTION



## SELECTION GUIDE

MOULDED CASE CIRCUIT BREAKERS												
MTS 160						MTS 250						
												
Im	In [A]	B (16kA)		N (36kA)		N (36kA)		H (65kA)		L (85kA)		
		3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	
THERMAL-MAGNETIC	10 lth	12.5	GW 97 001	GW 97 013	GW 97 025	GW 97 037						
		16	GW 97 002	GW 97 014	GW 97 026	GW 97 038						
		20	GW 97 003	GW 97 015	GW 97 027	GW 97 039						
		25	GW 97 004	GW 97 016	GW 97 028	GW 97 040						
		32	GW 97 005	GW 97 017	GW 97 029	GW 97 041	GW 97 116	GW 97 124	GW 97 148	GW 97 156	GW 97 180	GW 97 188
		40	GW 97 006	GW 97 018	GW 97 030	GW 97 042						
		50	GW 97 007	GW 97 019	GW 97 031	GW 97 043	GW 97 117	GW 97 125	GW 97 149	GW 97 157	GW 97 181	GW 97 189
		63	GW 97 008	GW 97 020	GW 97 032	GW 97 044						
		80	GW 97 009	GW 97 021	GW 97 033	GW 97 045	GW 97 118	GW 97 126	GW 97 150	GW 97 158	GW 97 182	GW 97 190
		100	GW 97 010	GW 97 022	GW 97 034	GW 97 046	GW 97 119	GW 97 127	GW 97 151	GW 97 159	GW 97 183	GW 97 191
		125	GW 97 011	GW 97 023	GW 97 035	GW 97 047	GW 97 120	GW 97 128	GW 97 152	GW 97 160	GW 97 184	GW 97 192
		160	GW 97 012	GW 97 024	GW 97 036	GW 97 048	GW 97 121	GW 97 129	GW 97 153	GW 97 161	GW 97 185	GW 97 193
		200					GW 97 122	GW 97 130	GW 97 154	GW 97 162	GW 97 186	GW 97 194
		250					GW 97 123	GW 97 131	GW 97 155	GW 97 163	GW 97 187	GW 97 195
THERMAL-MAGNETIC	5 lth	32				GW 97 100	GW 97 108	GW 97 132	GW 97 140	GW 97 164	GW 97 172	
		50				GW 97 101	GW 97 109	GW 97 133	GW 97 141	GW 97 165	GW 97 173	
		80				GW 97 102	GW 97 110	GW 97 134	GW 97 142	GW 97 166	GW 97 174	
		100				GW 97 103	GW 97 111	GW 97 135	GW 97 143	GW 97 167	GW 97 175	
		125				GW 97 104	GW 97 112	GW 97 136	GW 97 144	GW 97 168	GW 97 176	
		160				GW 97 105	GW 97 113	GW 97 137	GW 97 145	GW 97 169	GW 97 177	
		200				GW 97 106	GW 97 114	GW 97 138	GW 97 146	GW 97 170	GW 97 178	
250				GW 97 107	GW 97 115	GW 97 139	GW 97 147	GW 97 171	GW 97 179			
ONLY MAGNETIC	10 lth	50			GW 97 049	GW 97 055	GW 97 202	GW 97 209	GW 97 222	GW 97 229	GW 97 242	GW 97 249
		63			GW 97 050	GW 97 056						
		80			GW 97 051	GW 97 057	GW 97 203	GW 97 210	GW 97 223	GW 97 230	GW 97 243	GW 97 250
		100			GW 97 052	GW 97 058	GW 97 204	GW 97 211	GW 97 224	GW 97 231	GW 97 244	GW 97 251
		125			GW 97 053	GW 97 059	GW 97 205	GW 97 212	GW 97 225	GW 97 232	GW 97 245	GW 97 252
		160			GW 97 054	GW 97 060	GW 97 206	GW 97 213	GW 97 226	GW 97 233	GW 97 246	GW 97 253
		200					GW 97 207	GW 97 214	GW 97 227	GW 97 234	GW 97 247	GW 97 254
	250					GW 97 208	GW 97 215	GW 97 228	GW 97 235	GW 97 248	GW 97 255	
	ONLY MAGNETIC	5 lth	50				GW 97 196	GW 97 199	GW 97 216	GW 97 219	GW 97 236	GW 97 239
			80				GW 97 197	GW 97 200	GW 97 217	GW 97 220	GW 97 237	GW 97 240
			125				GW 97 198	GW 97 201	GW 97 218	GW 97 221	GW 97 238	GW 97 241

ADD ON RESIDUAL CURRENT DEVICES				
BDS 160			BDS 250	
				
Versions	only for 4P circuit breakers		only for 4P circuit breakers	
	side by side	under	side by side	under
Instantaneous	GW 97 061	GW 97 063	GW 97 256	GW 97 258
Adjustable	GW 97 062	GW 97 064	GW 97 257	GW 97 259

EURODIN

THERMAL-MAGNETIC

ONLY MAGNETIC

# 97 MTS RANGE

MOULDED-CASE DEVICES FOR POWER DISTRIBUTION



## SELECTION GUIDE

### MTSE 250



ELECTRONIC	Release	In [A]	N (36kA)		H (65kA)		L (100kA)		
			3P	4P	3P	4P	3P	4P	
SEP/A	I	100	GW 97 300	GW 97 306	GW 97 324	GW 97 330	GW 97 348	GW 97 354	
		160	GW 97 301	GW 97 307	GW 97 325	GW 97 331	GW 97 349	GW 97 355	
		250	GW 97 302	GW 97 308	GW 97 326	GW 97 332	GW 97 350	GW 97 356	
	LI	100	GW 97 303	GW 97 309	GW 97 327	GW 97 333	GW 97 351	GW 97 357	
		160	GW 97 304	GW 97 310	GW 97 328	GW 97 334	GW 97 352	GW 97 358	
		250	GW 97 305	GW 97 311	GW 97 329	GW 97 335	GW 97 353	GW 97 359	
	SEP/B	LSI	100	GW 97 312	GW 97 318	GW 97 336	GW 97 342	GW 97 360	GW 97 366
			160	GW 97 313	GW 97 319	GW 97 337	GW 97 343	GW 97 361	GW 97 367
			250	GW 97 314	GW 97 320	GW 97 338	GW 97 344	GW 97 362	GW 97 368
LSIG		100	GW 97 315	GW 97 321	GW 97 339	GW 97 345	GW 97 363	GW 97 369	
		160	GW 97 316	GW 97 322	GW 97 340	GW 97 346	GW 97 364	GW 97 370	
		250	GW 97 317	GW 97 323	GW 97 341	GW 97 347	GW 97 365	GW 97 371	

EURODIN

# 97 MTS RANGE

MOULDED-CASE DEVICES FOR POWER DISTRIBUTION



## SELECTION GUIDE

EURODIN

### MTS (E) 630



Release	In [A]	N (36kA)		H (65kA)		L (100kA)			
		3P	4P	3P	4P	3P	4P		
ELECTRONIC	SEP/A	I	320	GW 97 418	GW 97 424	GW 97 442	GW 97 448	GW 97 466	GW 97 472
		I	400	GW 97 419	GW 97 425	GW 97 443	GW 97 449	GW 97 467	GW 97 473
		I	630	GW 97 420	GW 97 426	GW 97 444	GW 97 450	GW 97 468	GW 97 474
	II	320	GW 97 421	GW 97 427	GW 97 445	GW 97 451	GW 97 469	GW 97 475	
		400	GW 97 422	GW 97 428	GW 97 446	GW 97 452	GW 97 470	GW 97 476	
		630	GW 97 423	GW 97 429	GW 97 447	GW 97 453	GW 97 471	GW 97 477	
SEP/B	LSI	320	GW 97 430	GW 97 436	GW 97 454	GW 97 460	GW 97 478	GW 97 484	
		400	GW 97 431	GW 97 437	GW 97 455	GW 97 461	GW 97 479	GW 97 485	
		630	GW 97 432	GW 97 438	GW 97 456	GW 97 462	GW 97 480	GW 97 486	
	LSIG	320	GW 97 433	GW 97 439	GW 97 457	GW 97 463	GW 97 481	GW 97 487	
		400	GW 97 434	GW 97 440	GW 97 458	GW 97 464	GW 97 482	GW 97 488	
		630	GW 97 435	GW 97 441	GW 97 459	GW 97 465	GW 97 483	GW 97 489	
THERM-MAGNETIC	magnetic threshold 5-10 Ith	320	GW 97 400	GW 97 403	GW 97 406	GW 97 409	GW 97 412	GW 97 415	
		400	GW 97 401	GW 97 404	GW 97 407	GW 97 410	GW 97 413	GW 97 416	
		500	GW 97 402	GW 97 405	GW 97 408	GW 97 411	GW 97 414	GW 97 417	

### MTS (E) 800



Release	In [A]	N (36kA)		S (50kA)		H (65kA)		L (100kA)			
		3P	4P	3P	4P	3P	4P	3P	4P		
ELECTRONIC	SEP/A	I	630	GW 97 516	GW 97 520	GW 97 532	GW 97 536	GW 97 548	GW 97 552	GW 97 564	GW 97 568
		I	800	GW 97 517	GW 97 521	GW 97 533	GW 97 537	GW 97 549	GW 97 553	GW 97 565	GW 97 569
	II	630	GW 97 518	GW 97 522	GW 97 534	GW 97 538	GW 97 550	GW 97 554	GW 97 566	GW 97 570	
		800	GW 97 519	GW 97 523	GW 97 535	GW 97 539	GW 97 551	GW 97 555	GW 97 567	GW 97 571	
	SEP/B	LSI	630	GW 97 524	GW 97 528	GW 97 540	GW 97 544	GW 97 556	GW 97 560	GW 97 572	GW 97 576
			800	GW 97 525	GW 97 529	GW 97 541	GW 97 545	GW 97 557	GW 97 561	GW 97 573	GW 97 577
LSIG		630	GW 97 526	GW 97 530	GW 97 542	GW 97 546	GW 97 558	GW 97 562	GW 97 574	GW 97 578	
		800	GW 97 527	GW 97 531	GW 97 543	GW 97 547	GW 97 559	GW 97 563	GW 97 575	GW 97 579	
THERM-MAGNETIC	magnetic threshold 5-10 Ith	630	GW 97 500	GW 97 502	GW 97 504	GW 97 506	GW 97 508	GW 97 510	GW 97 512	GW 97 514	
		800	GW 97 501	GW 97 503	GW 97 505	GW 97 507	GW 97 509	GW 97 511	GW 97 513	GW 97 515	



# 97 MTS RANGE

MOULDED-CASE DEVICES FOR POWER DISTRIBUTION



## SELECTION GUIDE

### MTSE 1600



ELECTRONIC	Release	In [A]	S (50kA)		H (65kA)		L (100kA)	
			3P	4P	3P	4P	3P	4P
			SEP/A	I	1000	GW 97 600	GW 97 606	GW 97 624
1250	GW 97 601	GW 97 607			GW 97 625	GW 97 631	GW 97 649	GW 97 655
1600	GW 97 602	GW 97 608			GW 97 626	GW 97 632	GW 97 650	GW 97 656
LI	1000	GW 97 603		GW 97 609	GW 97 627	GW 97 633	GW 97 651	GW 97 657
	1250	GW 97 604		GW 97 610	GW 97 628	GW 97 634	GW 97 652	GW 97 658
	1600	GW 97 605		GW 97 611	GW 97 629	GW 97 635	GW 97 653	GW 97 659
SEP/B	LSI	1000	GW 97 612	GW 97 618	GW 97 636	GW 97 642	GW 97 660	GW 97 666
		1250	GW 97 613	GW 97 619	GW 97 637	GW 97 643	GW 97 661	GW 97 667
		1600	GW 97 614	GW 97 620	GW 97 638	GW 97 644	GW 97 662	GW 97 668
	LSIG	1000	GW 97 615	GW 97 621	GW 97 639	GW 97 645	GW 97 663	GW 97 669
		1250	GW 97 616	GW 97 622	GW 97 640	GW 97 646	GW 97 664	GW 97 670
		1600	GW 97 617	GW 97 623	GW 97 641	GW 97 647	GW 97 665	GW 97 671

EURODIN

### MTSM

DISCONNECTING SWITCH	In [A]	MTSM 250		MTSM 800		MTSM 1600	
		3P	4P	3P	4P	3P	4P
	100	GW 97 700	GW 97 704				
	160	GW 97 701	GW 97 705				
	250	GW 97 702	GW 97 706				
	320	GW 97 703	GW 97 707				
	400			GW 97 708	GW 97 711		
	630			GW 97 709	GW 97 712		
	800			GW 97 710	GW 97 713		
	1000					GW 97 714	GW 97 717
	1250					GW 97 715	GW 97 718
	1600					GW 97 716	GW 97 719

# 47 CVX 160i RANGE




FLUSH-MOUNTING DISTRIBUTION BOARDS UP TO 160A






## SELECTION GUIDE

### CVX 160i STRUCTURES

EURODIN

General characteristics In: up to 160 A Capacity: 24 modules* per row Installation: indoors Colour: Grey RAL 7035		No. EN 50022 (17.5 mm) MODULES		
		96 (4X24)	120 (5X24)	144 (6X24)
IP 30	 without door	GW 47 072	GW 47 073	GW 47 074
	 glass door	GW 47 082	GW 47 083	GW 47 084
	 solid door	GW 47 087	GW 47 088	GW 47 089

FACTORY PRE-ASSEMBLED CONFIGURATIONS **				
MAXIMUM No. ROWS / No. MODULES	Step 150 mm*	 4 rows 96 modules*	 5 rows 120 modules*	 6 rows 144 modules*
	Functional height of the board (mm)	600	800	1000

\* EN 50022 (17.5 mm) modules \*\* For the 120-module the step of the first panel is 200mm, whereas the step of the first two panels for the 144-module version is 200mm.









# 47 CVX 160i RANGE

FLUSH-MOUNTING DISTRIBUTION BOARDS UP TO 160A




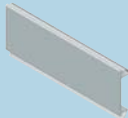





## SELECTION GUIDE



### LAYOUT FOR CVX 160i DISTRIBUTION BOARDS

Front panel height (mm)	FRONT PANELS				DIN RAIL KIT			KIT FOR INSTALLING DEVICES FOR SPECIFIC COUNTRY STANDARDS
	Panels with windows	Solid panels	Panels for instruments	Pair of hinges	EN 50022 rail	Twin EN 50022 rail (aluminium)	EN 50035 rail	
50								
150	GW 47 178	GW 47 174						
200	GW 47 179	GW 47 175	Instrum. 72x72 GW 47 176 Instrum. 96x96 GW 47 177	GW 47 191	GW 47 251	GW 47 252	GW 47 253	
300								GW 47 263

### COMPLEMENTARY ITEMS

Earth bar	Wiring trunking support	Nuts in cage	Module mask	Document wallet	Security lock with key	Aerosol spray paint for retouching Grey RAL 7035
						
GW 47 193	GW 47 194	GW 47 195	GW 47 291	GW 46 447	GW 47 192	GW 47 196







### SPARE DOORS



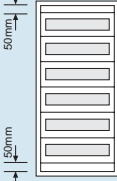



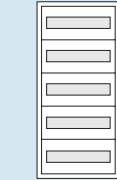

Functional height of the board (mm)	IP 40	
	glass door	solid door
600	 GW 47 111	 GW 47 121
800	GW 47 112	GW 47 122
1000	GW 47 113	GW 47 123

EURODIN

## CVX 160 STRUCTURES

EURODIN

General characteristics In: up to 160 A Capacity: 24 modules* per row Installation: indoors Colour: Grey RAL 7035		FUNCTIONAL HEIGHT (mm)			
		600	800	1000	1200
		IP 30	Without door 	GW 47 001	GW 47 002
IP 40	Glass door 	GW 47 011	GW 47 012	GW 47 013	GW 47 014
	solid door 	GW 47 021	GW 47 022	GW 47 023	GW 47 024
IP 55	Glass door 	GW 47 031	GW 47 032	GW 47 033	GW 47 034
	solid door 	GW 47 041	GW 47 042	GW 47 043	GW 47 044
IP 65	solid door 	-	GW 47 062	GW 47 063	GW 47 064

RELATIONSHIP BETWEEN FUNCTIONAL HEIGHT AND NUMBER OF MODULES*					
MAXIMUM No. ROWS / No. MODULES	Step 150 mm	 4 rows 96 modules*	 5 rows 120 modules*	 6 rows - 144 modules*	 8 rows - 192 modules*
	Step 200 mm	 3 rows 72 modules*	 4 rows 96 modules*	 5 rows 120 modules*	 6 rows - 144 modules*

\* EN 50022 (17.5 mm) modules

# 47 CVX 160 RANGE

SURFACE-MOUNTING DISTRIBUTION BOARDS UP TO 160A



## SELECTION GUIDE

### LAYOUT FOR CVX 160 DISTRIBUTION BOARDS

Front panel height (mm)	KIT FOR INSTALLING DEVICES ON DIN RAIL AND FRONT PANELS					DIN RAIL KIT			KIT FOR INSTALLING COUNTRY-SPECIFIC MOULDED-CASE AND STANDARD DEVICES		
	Panels with windows with EN 50022 rail	Panels with windows	Solid panels	Panels for instruments	Pair of hinges	EN 50022 rail	Twin EN 50022 rail (aluminium)	EN 50035 rail	For moulded-case devices	Country specifics	
50			GW 47 173	-	-	-	-	-	-	-	
150	GW 47 171	GW 47 178	GW 47 174	-	GW 47 191	GW 47 181	GW 47 183	GW 47 182	GW 47 274 (MTS160 3P)	-	
200	GW 47 172	GW 47 179	GW 47 175	Instrum. 72x72 GW 47 176 Instrum. 96x96 GW 47 177					GW 47 275 (MTS160 4P)	GW 47 276 (MTS160+BDS160)	-
300	-	-	-	-					-	-	-

EURODIN

### COMPLEMENTARY ITEMS

Earth bar	Wiring trunking support	Nuts in cage	Cable gland plate	Module mask	Document wallet	Security lock with key	Aerosol spray paint for retouching
GW 47 193	GW 47 194	GW 47 195	GW 47 198 (Top - Bottom) GW 47 199 (side)	GW 47 291	GW 46 447	GW 47 192	GW 47 196 (Grey RAL 7035) GW 47 296 (Blue RAL 7035)

### SPARE DOORS

Functional internal height of the board (mm)	IP 40		IP 55		IP 65 solid door
	glass door	solid door	glass door	solid door	
600					-
800	GW 47 111	GW 47 121	GW 47 131	GW 47 141	GW 47 162
1000	GW 47 112	GW 47 122	GW 47 132	GW 47 142	GW 47 163
1200	GW 47 113	GW 47 123	GW 47 133	GW 47 143	GW 47 164
	GW 47 114	GW 47 124	GW 47 134	GW 47 144	

# 47 CVX 250 RANGE

SURFACE-MOUNTING DISTRIBUTION BOARDS UP TO 250A











## SELECTION GUIDE

### CVX 250 STRUCTURES

EURODIN

General characteristics	IP 40	IP 55	MAXIMUM No. ROWS / No. MODULES	
				
FUNCTIONAL HEIGHT (mm)	Glass door	Glass door	Step 150 mm	Step 200 mm
1000	GW 47 015	GW 47 016	 6 rows - 144 modules*	 5 rows - 120 modules*
1200	GW 47 035	GW 47 036	 8 rows - 192 modules*	 6 rows - 144 modules*

\* EN 50022 modules (17.5 mm)

Functional internal height of the board (mm)	SPARE DOORS			
	IP 40		IP 55	
	glass door	solid door	glass door	solid door
1000	 GW 47 113	 GW 47 123	 GW 47 133	 GW 47 143
1200	 GW 47 114	 GW 47 124	 GW 47 134	 GW 47 144

# 47 CVX 250 RANGE

SURFACE-MOUNTING DISTRIBUTION BOARDS UP TO 250A



## SELECTION GUIDE

### LAYOUT FOR CVX 250 DISTRIBUTION BOARDS

		H panel (mm)	B= 600 mm (24 mod.)
	Installation on DIN rail kit	150	GW 47 501
		200	GW 47 502
		300	GW 47 503
	Front panels with windows	150	GW 47 283
		200	GW 47 284
		300	GW 47 285
	Solid front panels	50	GW 47 511
		150	GW 47 512
		200	GW 47 513
		400	GW 47 514
		600	GW 47 515
	2 Instrum. 72x72 mm 2 Three-way switches	200	GW 47 531
	2 Instrum. 96x96 mm 2 Three-way switches	200	GW 47 532
	4 Instrum. 72x72 mm 1 Three-way switch	200	GW 47 533
	4 Instrum. 96x96 mm 1 Three-way switch	200	GW 47 534
	DIN 50022	-	GW 47 681
	double aluminium DIN 50022	-	GW 47 685
	DIN 50035	-	GW 47 682
	Back-mounting plates	200	GW 47 661
		400	GW 47 662
		600	GW 47 663

EURODIN

		FIXED EXECUTION			
		B= 600 mm (24 mod.)			
		horizontal installation		vertical installation	
MTS front couplings kit	No. poles	Code	H panel (mm)	Code	H panel (mm)
MTS 160	3P	GW 47 572	200	-	-
	4P	GW 47 573	200	-	-
MTS 160 with residual current device (BDS 160)	4P	GW 47 582	200	-	-
MTS 250 / MTSM 250	3-4P	GW 47 574	200	GW 47 561	400
MTS 250 with residual current device (BDS 250)		GW 47 584	300	-	-
MTS 250 / MTSM 250 on plate with DIN 50023 rail		-	-	GW 47 551	300
MTSE 250		GW 47 575	200	GW 47 562	400

# 47 CVX 630 RANGE

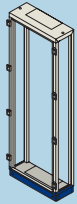


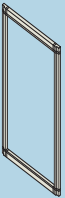
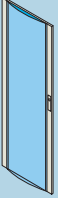

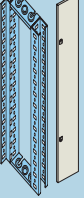
FLOOR-MOUNTING DISTRIBUTION BOARDS UP TO 630A



## SELECTION GUIDE

### CVX 630 STRUCTURES

EURODIN

FUNCTIONAL DIM. (BxH)		600x1400 mm	600x1800 mm	850x1800 mm	
Module capacity	Step 150mm	216 mod. (24x9)	288 mod. (24x12)	288 mod. (24x12)	432 mod. (36x12)
	Step 200 mm	168 mod. (24x7)	216 mod. (24x9)	216 mod. (24x9)	324 mod. (36x9)
Structures		GW 47 401	GW 47 402	GW 47 403	
Solid side panels		GW 47 411	GW 47 412	GW 47 412	
Aerated side panels		GW 47 421	GW 47 422	GW 47 422	
IP 30 profiles		GW 47 431	GW 47 432	GW 47 433	
IP 55 curved glass doors		GW 47 451	GW 47 452	GW 47 453	
IP 55 solid doors		GW 47 461	GW 47 462	GW 47 463	
Internal cable compartment		-	-	GW 47 471	



# 47 CVX 630 RANGE

FLOOR-MOUNTING DISTRIBUTION BOARDS UP TO 630A



## SELECTION GUIDE

### LAYOUT FOR CVX 630 DISTRIBUTION BOARDS

		H panel (mm)	B= 600 mm (24 mod.)	B= 850 mm (36 mod.)
	Installation on DIN rail kit	150	GW 47 501	GW 47 506
		200	GW 47 502	GW 47 507
		300	GW 47 503	GW 47 508
	Front panels with windows	150	GW 47 283	GW 47 286
		200	GW 47 284	GW 47 287
		300	GW 47 285	GW 47 288
	Solid front panels	50	GW 47 511	GW 47 521
		150	GW 47 512	GW 47 522
		200	GW 47 513	GW 47 523
		400	GW 47 514	GW 47 524
		600	GW 47 515	GW 47 525
	2 Instrum. 72x72 mm 2 Three-way switches	200	GW 47 531	GW 47 536
	2 Instrum. 96x96 mm 2 Three-way switches	200	GW 47 532	GW 47 537
	4 Instrum. 72x72 mm 1 Three-way switch	200	GW 47 533	GW 47 538
	4 Instrum. 96x96 mm 1 Three-way switch	200	GW 47 534	GW 47 539
	Aerated panels	200	GW 47 541	GW 47 542
		-	GW 47 681	GW 47 683
	DIN 50022	-	GW 47 685	GW 47 686
	double aluminium DIN 50022	-	GW 47 682	GW 47 684
	DIN 50035	-	-	-
	-	-	-	-
	Back-mounting plates	200	GW 47 661	GW 47 666
		400	GW 47 662	GW 47 667
		600	GW 47 663	GW 47 668

EURODIN

		FIXED EXECUTION							
		B= 600 mm (24 mod.)				B= 850 mm (36 mod.)			
<b>MTS front couplings kit</b>	No. poles	<b>Code</b>	<b>H panel (mm)</b>	<b>Code</b>	<b>H panel (mm)</b>	<b>Code</b>	<b>H panel (mm)</b>	<b>Code</b>	<b>H panel (mm)</b>
<b>MTS 160</b>	3P	GW 47 572	200	-	-	-	-	-	-
	4P	GW 47 573	200	-	-	-	-	-	-
<b>MTS 160 with residual current device (BDS 160)</b>	4P	GW 47 582	200	-	-	GW 47 583	200	-	-
<b>MTS 250</b>	3-4P	GW 47 574	200	GW 47 561	400	GW 47 577	200	-	-
<b>MTSM 250</b>		GW 47 584	300	-	-	GW 47 585	300	-	-
<b>MTS 250 with residual current device (BDS 250)</b>		-	-	GW 47 551	300	-	-	GW 47 552	300
<b>MTS 250 / MTSM 250 on plate with DIN 50023 rail</b>		GW 47 575	200	GW 47 562	400	GW 47 578	200	-	-
<b>MTSE 250</b>		GW 47 576	300	GW 47 563	500	GW 47 579	300	-	-
<b>MTS 630</b>									

# 47 CVX 1600 RANGE

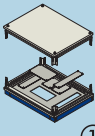
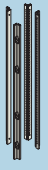



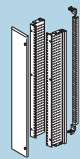
FLOOR-MOUNTING BOXES UP TO 3200A

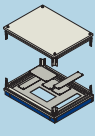
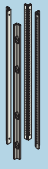






## SELECTION GUIDE

### STRUCTURES CVX 1600

EURODIN

STRUCTURE											
Dimensions			Overall external dimensions			Base/Head/Skirting	Uprights	Functional frames for non-separated panels		Functional frames for separated panels	
Functional	Nominal		H	B	P						
H (mm)	B (mm)	P (mm)	H (mm)	B (mm)	P (mm)						
1800	400	400	2031	538	389	GW 49 001	GW 49 011	GW 49 021	-	GW 49 023	-
	400	600		538	664	GW 49 002			-		-
	400	800		538	864	GW 49 003			-		-
	600	400		748	389	GW 49 004			-		-
	600	600		748	664	GW 49 005			-		-
	600	800		748	864	GW 49 006			-		-
	850	400		948	389	GW 49 007			GW 49 112		-
	850	600		948	664	GW 49 008			-		GW 49 111
	850	800		948	864	GW 49 009			-		-
2000	400	400	2231	538	389	GW 49 001	GW 49 012	GW 49 022	-	GW 49 024	-
	400	600		538	664	GW 49 002			-		-
	400	800		538	864	GW 49 003			-		-
	600	400		748	389	GW 49 004			-		-
	600	600		748	664	GW 49 005			-		-
	600	800		748	864	GW 49 006			-		-
	850	400		948	389	GW 49 007			-		-
	850	600		948	664	GW 49 008			GW 49 114		-
	850	800		948	864	GW 49 009			-		GW 49 113

EXTERNAL CABLE COMPARTMENT											
Dimensions			Overall external dimensions			Base/Head/Skirting	Uprights	Internal door IP 31/41	External door front IP 65	Side panel aerated IP 41	Side panel solid IP 65
Functional	Nominal		H	B	P						
H (mm)	B (mm)	P (mm)	H (mm)	B (mm)	P (mm)						
1800	400	300	2031	362	420	GW 49 115	GW 49 011	GW 49 121	GW 49 123	-	GW 49 041
	600			637		GW 49 116				GW 49 031	GW 49 042
	800			837		GW 49 117				GW 49 032	GW 49 043
2000	400	300	2231	362	420	GW 49 115	GW 49 012	GW 49 122	GW 49 124	-	GW 49 044
	600			637		GW 49 116				GW 49 033	GW 49 045
	800			837		GW 49 117				GW 49 034	GW 49 046

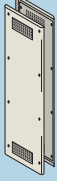


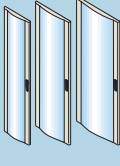
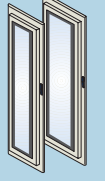
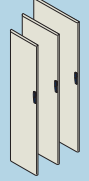
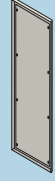

# 47 CVX 1600 RANGE

FLOOR-MOUNTING BOXES UP TO 3200A



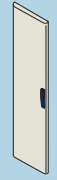
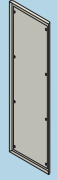

## SELECTION GUIDE

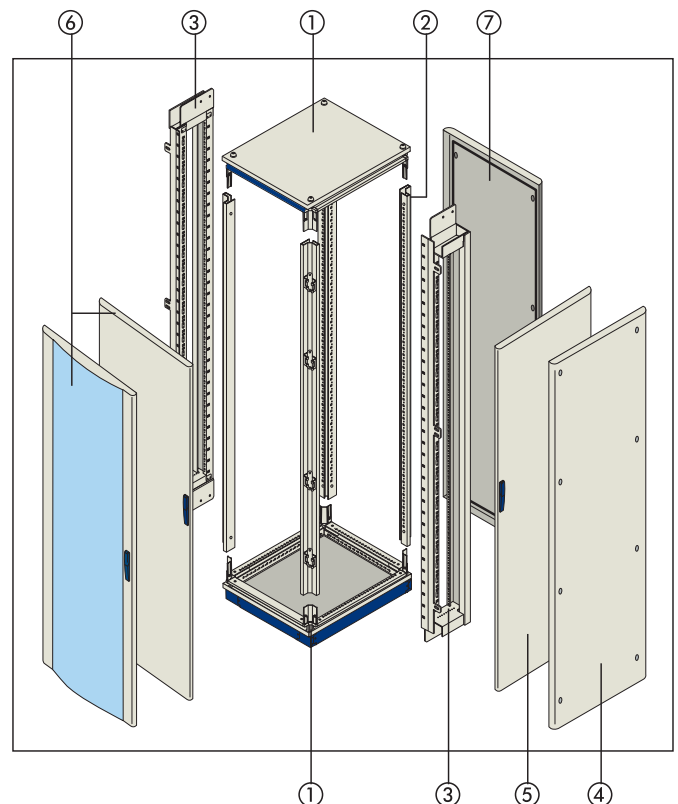
### STRUCTURE

Side covers			Front and rear covers IP 65				Finish profile IP 31
							
Aerated side door IP 41	Side door IP 65	Side door IP 65	Glass door 12/24/36 mod.	Protruding glass door 24/36 mod.	Solid door 12/24/36 mod.	Rear panel	See the technical-commercial tables for the choice
-	GW 49 041	GW 49 051	GW 49 061	-	GW 49 081	GW 49 091	
GW 49 031	GW 49 042	GW 49 053		-			
GW 49 032	GW 49 043	GW 49 055		-			
-	GW 49 041	GW 49 051	GW 49 063	GW 49 071	GW 49 083	GW 49 092	
GW 49 031	GW 49 042	GW 49 053					
GW 49 032	GW 49 043	GW 49 055					
-	GW 49 041	GW 49 051	GW 49 065	GW 49 073	GW 49 085	GW 49 093	
GW 49 031	GW 49 042	GW 49 053					
GW 49 032	GW 49 043	GW 49 055					
-	GW 49 044	GW 49 052	GW 49 062	-	GW 49 082	GW 49 094	
GW 49 033	GW 49 045	GW 49 054		-			
GW 49 034	GW 49 046	GW 49 056		-			
-	GW 49 044	GW 49 052	GW 49 064	GW 49 072	GW 49 084	GW 49 095	
GW 49 033	GW 49 045	GW 49 054					
GW 49 034	GW 49 046	GW 49 056					
-	GW 49 044	GW 49 052	GW 49 066	GW 49 074	GW 49 086	GW 49 096	
GW 49 033	GW 49 045	GW 49 054					
GW 49 034	GW 49 046	GW 49 056					

EURODIN

### EXTERNAL CABLE COMPARTMENT

Side door IP 65	Rear panel IP 65	Finish profile IP 31
		
GW 49 051	GW 49 097	See the technical-commercial tables for the choice
GW 49 053		
GW 49 055	GW 49 098	
GW 49 052		
GW 49 054		
GW 49 056		



## MTS RANGE OF MOULDED-CASE CIRCUIT BREAKERS FOR CVX 1600 NON-SEPARATED PANELS

EURODIN

			NON-SEPARATED PANELS							
			FIXED EXECUTION							
			Horizontal kit		Vertical kit		Horizontal kit		Horizontal kit	
			LEVER CONTROL						DIRECT ROTATING HANDLE	MOTOR CONTROL
MTS front and rear couplings kit	H panel (mm)	No. Poles	B= 400mm (12 mod.)	B= 600mm (24 mod.)	B= 850mm (36 mod.)	B= 600mm (24 mod.)	B= 600mm (24 mod.)	B= 600mm (24 mod.)	B= 600mm (24 mod.)	
<b>HORIZONTAL INSTALLATION</b>										
MTS 160	200	3P	GW 49 231	GW 49 251	-	-	-	-	-	
	200	4P	GW 49 232	GW 49 252	-	GW 49 256	-	-	-	
MTS 160 with residual current device (BDS 160)	200	4P	-	GW 49 253	GW 49 331	-	-	-	-	
MTS 250 MTSM 250	200	3-4P	GW 49 235 <sup>(1)</sup>	GW 49 257 <sup>(1)</sup>	-	-	-	-	-	
	300		GW 49 236	GW 49 258	GW 49 332	GW 49 258	GW 49 258	-	-	
MTS 250 with residual current device (BDS 250)	300	3-4P	-	GW 49 259	GW 49 333	-	-	-	-	
MTSE 250	200	3-4P	-	GW 49 271 <sup>(1)</sup>	-	-	-	-	-	
	300		-	GW 49 272	GW 49 335	GW 49 272	GW 49 272	-	-	
MTS 630 MTSE 630	300	3-4P	-	GW 49 284	GW 49 337	GW 49 284	GW 49 284	-	-	
MTS 800 MTSE 800 MTSM 800	500	3-4P	-	GW 49 297	-	GW 49 299	GW 49 300	-	-	
	800	4P	-	-	-	-	-	GW 49 302	GW 49 303	
MTSE 1600 MTSM 1600	600	3-4P	-	GW 49 311 <sup>(2)</sup>	-	GW 49 312 <sup>(2)</sup>	GW 49 313 <sup>(2)</sup>	-	-	
	800	4P	-	-	-	-	-	GW 49 314	GW 49 315	
<b>VERTICAL INSTALLATION</b>										
MTS 250 / MTSM 250 on plate with DIN 50023rail	400	3-4P	-	GW 49 321	GW 49 341	-	-	-	-	
MTS 250 MTSM 250	400	3-4P <sup>(3)</sup>	GW 49 238	GW 49 263	GW 49 334	-	-	GW 49 266	GW 49 266	
MTSE 250	400	3-4P	GW 49 242	GW 49 276	GW 49 336	-	-	-	-	
	500	4P	-	-	-	-	-	GW 49 279	GW 49 279	
MTS 630 MTSE 630	500	3-4P <sup>(3)</sup>	GW 49 245	GW 49 288	GW 49 338	GW 49 288	GW 49 288	GW 49 292	GW 49 292	
MTS 800 MTSE 800 MTSM 800	500	3-4P	-	GW 49 306	GW 49 339	GW 49 308	GW 49 309	-	-	
MTSE 1600 MTSM 1600	700	3-4P	-	GW 49 317	GW 49 340	GW 49 319	GW 49 320	-	-	

(1) Only front couplings

(2) Only rear couplings

(3) Only 4P for motorized interlocked kits

# 47 CVX 1600 RANGE

FLOOR-MOUNTING BOXES UP TO 3200A

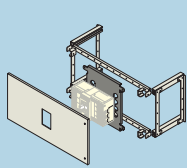


## SELECTION GUIDE

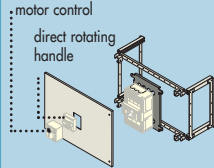
### NON-SEPARATED PANELS

#### REMOVABLE EXECUTION

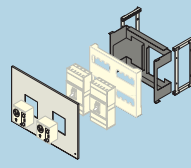
#### EXTRACTABLE EXECUTION



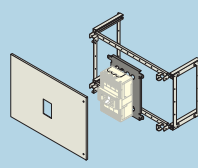
Horizontal kit



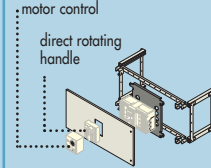
Vertical kit



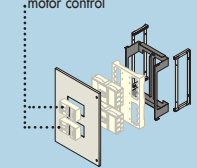
Vertical kit



Vertical kit



Horizontal kit



Horizontal kit

LEVER CONTROL

DIRECT ROTATING HANDLE

MOTOR CONTROL

INTERLOCKED

MOTORIZED INTERLOCKED

LEVER CONTROL

DIRECT ROTATING HANDLE

MOTOR CONTROL

INTERLOCKED

MOTORIZED INTERLOCKED

B= 400mm  
(12 mod.)

B= 600mm  
(24 mod.)

B= 600mm  
(24 mod.)

B= 600mm  
(24 mod.)

B= 600mm  
(24 mod.)

B= 600mm  
(24 mod.)

B= 400mm  
(12 mod.)

B= 600mm  
(24 mod.)

B= 600mm  
(24 mod.)

B= 600mm  
(24 mod.)

B= 600mm  
(24 mod.)

B= 600mm  
(24 mod.)

B= 600mm  
(24 mod.)

#### HORIZONTAL INSTALLATION

GW 49 233	GW 49 255	-	-	-	-	-	-	-	-	-	-
GW 49 234	GW 49 254	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
GW 49 237	GW 49 260	GW 49 260	GW 49 262	-	-	GW 49 240	GW 49 261	GW 49 261	GW 49 261	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	GW 49 273	GW 49 273	GW 49 275	-	-	-	GW 49 274	GW 49 274	GW 49 274	-	-
-	GW 49 285	GW 49 285	GW 49 287	-	-	-	GW 49 286	GW 49 286	GW 49 286	-	-
-	-	-	-	-	-	-	GW 49 298	GW 49 298	GW 49 301	-	-
-	-	-	-	-	-	-	-	-	-	GW 49 304	GW 49 305
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	GW 49 316	GW 49 315

#### VERTICAL INSTALLATION

-	-	-	-	-	-	-	-	-	-	-	-
GW 49 239	GW 49 264	-	-	GW 49 266	GW 49 266	GW 49 241	GW 49 265	-	-	GW 49 269	GW 49 269
GW 49 243	GW 49 277	-	-	-	-	GW 49 244	GW 49 278	-	-	-	-
-	-	-	-	GW 49 279	GW 49 279	GW 49 244	-	-	-	GW 49 282	GW 49 282
GW 49 246	GW 49 289	GW 49 289	GW 49 290	GW 49 292	GW 49 292	GW 49 247	GW 49 291	GW 49 291	GW 49 291	GW 49 295	GW 49 295
-	-	-	-	-	-	-	GW 49 307	GW 49 307	GW 49 310	-	-
-	-	-	-	-	-	-	GW 49 318	GW 49 318	GW 49 322	-	-

EURODIN

## MTS RANGE OF MOULDED-CASE CIRCUIT BREAKERS FOR SEPARATED CVX 1600 PANELS

EURODIN

			SEPARATED PANELS						
			FIXED EXECUTION						
			Horizontal kit		Horizontal kit		Horizontal kit		
			LEVER CONTROL		DIRECT ROTATING HANDLE	MOTOR CONTROL	INTERLOCKED	INTERBLOCCATI MOTORIZZATI	
Kit MTS attacchi posteriori	H pannello (mm)	Poli N.	B= 400 mm (12 mod.)	B= 600 mm (24 mod.)	B= 600 mm (24 mod.)	B= 600 mm (24 mod.)	B= 600 mm (24 mod.)	B= 600 mm (24 mod.)	
<b>HORIZONTAL INSTALLATION</b>									
MTS 160	200	3P	GW 49 351	GW 49 371	-	-	-	-	-
	200	4P	GW 49 352	GW 49 372	-	-	-	-	-
MTS 160 with residual current device (BDS 160)	200	4P	-	GW 49 373	-	-	-	-	-
MTS 250 MTSM 250	300	3-4P	GW 49 355	GW 49 376	GW 49 376	GW 49 380	-	-	-
MTS 250 with residual current device (BDS 250)	300	3-4P	-	GW 49 377	-	-	-	-	-
MTSE 250	300	3-4P	GW 49 358	GW 49 389	GW 49 389	GW 49 392	-	-	-
MTS 630 (400A) MTSE 630 (400A)	400	3-4P	GW 49 361	GW 49 401	GW 49 401	GW 49 404	-	-	-
MTS 800 MTSE 800 MTSM 800	500	3-4P	-	GW 49 421	GW 49 445	GW 49 444	-	-	-
	800	4P	-	-	-	-	GW 49 423	GW 49 424	-
MTSE 1600 MTSM 1600	600	3-4P	-	GW 49 432	GW 49 433	GW 49 434	-	-	-
	800	4P	-	-	-	-	GW 49 435	GW 49 436	-
<b>VERTICAL INSTALLATION</b>									
MTS 250 MTSM 250	400	4P	-	-	-	-	GW 49 383	GW 49 383	-
MTSE 250	500	4P	-	-	-	-	GW 49 395	GW 49 396	-
MTS 630 MTSE 630	500	3-4P <sup>(3)</sup>	-	GW 49 407	GW 49 407	GW 49 410	GW 49 411	GW 49 412	-
MTS 800 MTSE 800 MTSM 800	600	3-4P	-	GW 49 427	GW 49 429	GW 49 430	-	-	-
MTSE 1600 MTSM 1600	800	3-4P	-	GW 49 439	GW 49 441	GW 49 442	-	-	-

(3) Only 4P for interlocked and motorized interlocked kits

# 47 CVX 1600 RANGE

FLOOR-MOUNTING BOXES UP TO 3200A



## SELECTION GUIDE

### SEPARATED PANELS

REMOVABLE EXECUTION						EXTRACTABLE EXECUTION					
Vertical kit		Vertical kit		Vertical kit		Horizontal kit		Horizontal kit		Horizontal kit	
LEVER CONTROL		DIRECT ROTATING HANDLE	MOTOR CONTROL	INTERLOCKED	MOTORIZED INTERLOCKED	LEVER CONTROL		DIRECT ROTATING HANDLE	MOTOR CONTROL	INTERLOCKED	MOTORIZED INTERLOCKED
B= 400 mm (12 mod.)	B= 600 mm (24 mod.)	B= 600 mm (24 mod.)	B= 600 mm (24 mod.)	B= 600 mm (24 mod.)	B= 600 mm (24 mod.)	B= 400 mm (12 mod.)	B= 600 mm (24 mod.)	B= 600 mm (24 mod.)	B= 600 mm (24 mod.)	B= 600 mm (24 mod.)	B= 600 mm (24 mod.)

#### HORIZONTAL INSTALLATION

GW 49 353	GW 49 375	-	-	-	-	-	-	-	-	-	-
GW 49 354	GW 49 374	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
GW 49 356	GW 49 378	GW 49 378	GW 49 381	-	-	GW 49 357	GW 49 379	GW 49 379	GW 49 379	-	-
-	-	-	-	-	-	-	-	-	-	-	-
GW 49 359	GW 49 390	GW 49 390	GW 49 393	-	-	GW 49 360	GW 49 391	GW 49 391	GW 49 391	-	-
GW 49 362	GW 49 402	GW 49 402	GW 49 405	-	-	GW 49 363	GW 49 403	GW 49 403	GW 49 403	-	-
-	-	-	-	-	-	-	GW 49 422	GW 49 422	GW 49 446	-	-
-	-	-	-	-	-	-	-	-	-	GW 49 425	GW 49 426
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	GW 49 437	GW 49 438

#### VERTICAL INSTALLATION

-	-	-	-	GW 49 385	GW 49 386	-	-	-	-	GW 49 387	GW 49 388
-	-	-	-	GW 49 397	GW 49 398	-	-	-	-	GW 49 399	GW 49 400
-	GW 49 408	GW 49 408	GW 49 414	GW 49 415	GW 49 412	-	GW 49 409	GW 49 409	GW 49 409	GW 49 419	GW 49 419
-	-	-	-	-	-	-	GW 49 428	GW 49 428	GW 49 431	-	-
-	-	-	-	-	-	-	GW 49 440	GW 49 440	GW 49 443	-	-

## LAYOUT FOR CVX 1600 PANELS

EURODIN

			H panel (mm)	B= 400 mm (12 mod.)	B= 600 mm (24 mod.)	B= 850 mm (36 mod.)
<b>INSTALLATION ON DIN RAIL KIT - NON-SEPARATED PANEL</b>						
Installation kit 1 DIN row 	DIN rail kit	-	-	GW 49 221	GW 49 223	GW 49 227
	Front panel with window	200	-	GW 49 501	GW 49 502	GW 49 506
Installation kit 2 DIN rows 	DIN rail kit	-	-	-	GW 49 225	GW 49 228
	Front panel with window	300	-	-	GW 49 504	GW 49 508
Reinforced installation kit for MTS 160 1 DIN row 	DIN rail kit	-	-	-	GW 49 226	GW 49 229
	Front panel with window	300	-	-	GW 49 502	GW 49 506
<b>INSTALLATION ON DIN RAIL KIT - SEPARATED PANEL</b>						
Installation kit 1 DIN row 	DIN rail kit	-	-	GW 49 222	GW 49 224	GW 49 230
	Front panel with window	200	-	GW 49 501	GW 49 502	GW 49 506
<b>FRONT PANELS</b>						
Flat blank 	100	-	GW 49 451	GW 49 456	GW 49 470	
	200	-	GW 49 452	GW 49 457	GW 49 471	
	300	-	GW 49 453	GW 49 458	GW 49 472	
	400	-	GW 49 454	GW 49 459	GW 49 473	
	600	-	GW 49 455	GW 49 460	GW 49 474	
	800	-	-	GW 49 461	GW 49 481	
	1600	-	-	GW 49 462	GW 49 475	
	1800	-	-	GW 49 463	GW 49 476	
	2000	-	-	GW 49 464	GW 49 477	
Sunken blank 	200	-	-	GW 49 465	GW 49 478	
	400	-	-	GW 49 466	GW 49 479	
	600	-	-	GW 49 467	GW 49 480	
Aerated 	100	-	-	GW 49 468	-	
	200	-	-	GW 49 469	-	
For measuring instruments and three-way switches 	N° 2 Instrum. 72x72 mm N° 2 Three-way switches	200	-	-	GW 49 514	GW 49 518
	N° 2 Instrum. 96x96 mm N° 2 Three-way switches	200	-	-	GW 49 515	GW 49 519
	N° 4 Instrum. 72x72 mm N° 1 Three-way switches	200	-	-	GW 49 516	GW 49 520
	N° 4 Instrum. 96x96 mm N° 1 Three-way switches	200	-	-	GW 49 517	GW 49 521
<b>BACK-MOUNTING PLATES - SEPARATED PANELS</b>						
Flat 	200	-	GW 49 801	GW 49 805	GW 49 812	
	300	-	GW 49 802	GW 49 806	GW 49 813	
	400	-	GW 49 803	GW 49 807	GW 49 814	
	600	-	GW 49 804	GW 49 808	GW 49 815	
Sunken 	200	-	-	GW 49 809	GW 49 816	
	400	-	-	GW 49 810	GW 49 817	
	600	-	-	GW 49 811	GW 49 818	
<b>BACK-MOUNTING PLATES - SEPARATED PANELS</b>						
Flat 	200	-	GW 49 819	GW 49 823	GW 49 851	
	300	-	GW 49 820	GW 49 824	GW 49 852	
	400	-	GW 49 821	GW 49 825	GW 49 853	
	600	-	GW 49 822	GW 49 826	GW 49 854	
	800	-	-	GW 49 827	GW 49 855	
<b>FULL-HEIGHT BACK-MOUNTING PLATES</b>						
Back-mounting plates 	back-mounting plate	1800	-	-	GW 49 828	GW 49 830
	Supports structures P= 400	2000	-	-	GW 49 829	GW 49 831
	Supports structures P= 600	-	-	-	GW 49 832	GW 49 832
	Supports structures P= 800	-	-	-	GW 49 833	GW 49 833
		-	-	-	GW 49 834	GW 49 834



## DIVIDERS FOR CVX 1600 PANELS

DIVIDERS FOR CIRCUIT BREAKERS					
One-way switch	H panel (mm)	FORM 3		FORM 4	
		B = 400 mm (12 mod.)	B = 600 mm (24 mod.)	P = 600 mm	P = 800 mm
<b>Horizontal installation</b>					
MTS 160	200	GW 49 531	GW 49 535	GW 49 550	GW 49 550
MTS 250 - MTSE 250 - MSTM 250	300	GW 49 532	GW 49 536	GW 49 551	GW 49 551
MTS 630 - MTSE 630	400	GW 49 533	GW 49 537	GW 49 552	GW 49 552
MTS 800 - MTSE 800 - MTSM 800	500	-	GW 49 538	GW 49 553	GW 49 553
MTSE 1600 - MTSE 1600	600	GW 49 534	GW 49 539	GW 49 554	GW 49 554
<b>Vertical installation</b>					
90 Range - MTS 160 - MTS 250 - MTSM 250	200	-	-	-	-
MTS 630 - MTSE 630	500	GW 49 540 - GW 49 541	GW 49 540 - GW 49 541	GW 49 555	GW 49 556
MTS 800 - MTSE 800 - MTSM 800	600	-	GW 49 542	-	GW 49 557
MTSE 1600 - MTSE 1600	800	-	GW 49 543	-	GW 49 558

DIVIDERS FOR BARS					
Horizontal bars	Internal cable compartment	External cable compartment	B = 400 mm (12 mod.)	B = 600 mm (24 mod.)	B = 850 mm (36 mod.)
Universal horizontal shelf	-	-	GW 49 561	GW 49 562	GW 49 578
Horizontal separation	-	-	GW 49 563	GW 49 564	
Rear vertical separation	-	-	GW 49 565	GW 49 566	
Cable compartment separation D = 600/800 mm	GW 49 574	GW 49 575	GW 49 576 <sup>(1)</sup>	GW 49 577 <sup>(1)</sup>	
<b>Vertical bars</b>	<b>P= 600 mm</b>	<b>P= 800 mm</b>			
Vertical separation (H = 1800 mm)	GW 49 567	GW 49 569			
Internal compartment rear separation (H = 1800 mm)	GW 49 571	GW 49 571			
Vertical separation (H = 2000 mm)	GW 49 568	GW 49 570			
Internal compartment rear separation (H = 2000 mm)	GW 49 572	GW 49 572			

(1) Structure used as external cable compartment.

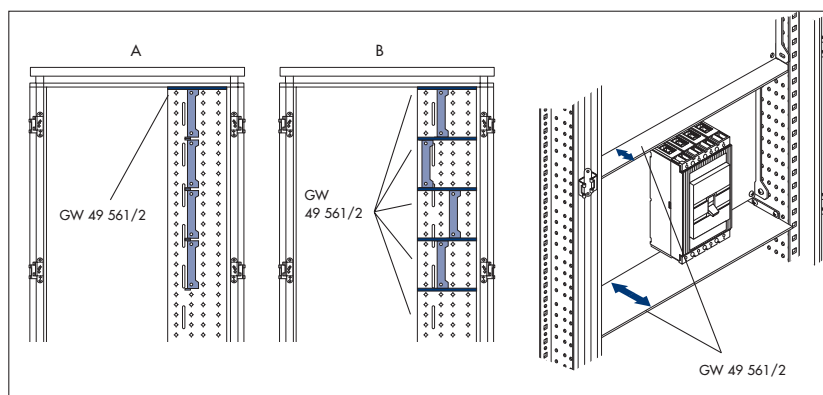
**NOTES:**

For separated panels (2-3-4), order moulded-case circuit breakers with rear couplings.

The codes GW 49 564 and GW 49 566 are reciprocally essential for assembly. The separations are made in panels with B = 400/600 mm and D = 600/800 mm, with closed functional frames and installation kit in the separable version.

The separation form of higher degree is achieved by combining components of the lower form (e.g. form 4 = form 2 kit + form 3 kit + form 4 kit). The separation of form 2 devices is achieved with the installation kit for separated panels.

The universal shelves GW 49 561 and GW 49 562 can be used to make form 2 separations for 12-module structures (B = 400 mm) or 24-module structures (B = 600 mm), ordering one piece for each circuit breaker cell and one piece per structure. Order one piece for each structure for the segregation 3 and 4 forms.



Examples of form 2 separation, both with aligned plates (A) and unaligned plates (B) and front view of the functional unit cell. In the case of devices on DIN rail, contemplate the back-mounting plate for separated panels. (GW 49 819÷27)

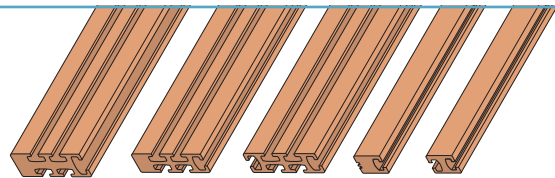
# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS

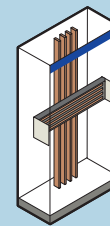
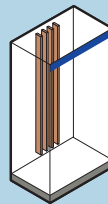


## SELECTION GUIDE

### SHAPED, CONTINUOUS PROFILE BUS BAR SYSTEM - CVX 250 SURFACE-MOUNTING DISTRIBUTION BOARD



FIXING CROSSPIECE (1 code = 2 pieces)



Direct connection to GWFIX 400

B= 600 mm

B= 600 mm

BUS BAR (1 code = 1 piece)

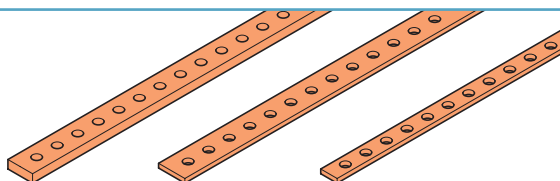
BUS BAR-HOLDERS (1 code = 1 piece)

Capacity (A) according to the IP rating		Code	Section BxH (mm)	No. bars per phase	Maximum centre distance D (mm) according to the max Icc (kA)		
IP 40	IP 55				Code	25kA	35kA
520	400	GW 49 651	20X20	1	GW 49 658	550	425

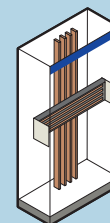
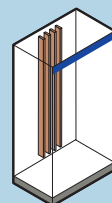
GW 47 641

GW 47 641

### FLAT BUS BAR SYSTEM - CVX 250 SURFACE-MOUNTING DISTRIBUTION BOARD



FIXING CROSSPIECE (1 code = 2 pieces)



Direct connection to GWFIX 400

B= 600 mm

B= 600 mm

BUS BAR (1 code = 2 pieces)

BUS BAR-HOLDERS (1 code = 2 pieces)

Capacity (A) according to the IP rating		Code	Section BxH (mm)	No. bars per phase	Maximum centre distance D (mm) according to the max Icc (kA)					
IP 40	IP 55				Code	6kA	10kA	16kA	25kA	35kA
285	250	GW 47 631	20X5	1	GW 47 611	1000	1000	700	-	-

GW 47 641

GW 47 641

### FLEXIBLE STRAPS

Capacity (A) according to the IP rating							Code (1 code = 2 pieces)	 NxBxH (mm)	Dimensions	
CVX 250 distribution boards		CVX 630 distribution boards		CVX 1600 boxes					section (mm <sup>2</sup> )	Length (mm)
IP 40	IP 55	IP 30	IP 55	IP 31	IP 41	IP 65				
191	160	212	160	212	191	160	GW 47 651	2x15,5x0.8	24.8	2000
323	250	395	250	395	323	250	GW 47 652	3x20x1	60	2000
-	-	498	400	498	460	400	GW 47 653	5x20x1	100	2000
-	-	758	630	758	702	630	GW 47 654	5x32x1	160	2000
-	-	-	-	1203	1140	1000	GW 47 655	8x40x1	320	2000
-	-	-	-	1650	1525	1250	GW 47 656	10x50x1	500	2000

# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS



## SELECTION GUIDE

### SHAPED, CONTINUOUS PROFILE BUS BAR SYSTEM - CVX 630 FLOOR-MOUNTING DISTRIBUTION BOARD

BUS BAR (1 code = 1 piece)					BUS BAR-HOLDERS (1 code = 1 piece)					FIXING CROSSPIECE (1 code= 2 pieces)				
Capacity (A) according to the IP rating		Code	Section BxH (mm)	No. bars per phase	Maximum centre distance D (mm) according to the max lcc (kA)			B= 600 mm	B= 850 mm(*)	Internal cable compartment	Direct connection to GWFIX 400			
IP 30	IP 55				Code	25kA	35kA				B= 600 mm	B= 850 mm	B= 600 mm	B= 850 mm
630	400	GW 49 651	20X20	1	GW 49 658	550	425	GW 47 641	GW 47 642	-	GW 47 641	GW 47 642		
					GW 49 656	550	425	-	-	GW 47 643				
970	800	GW 49 652	20X20	1	GW 49 658	550	425	GW 47 641	GW 47 642	-	GW 47 641	GW 47 642		
					GW 49 656	550	425	-	-	GW 47 643				

### FLAT BUS BAR SYSTEM - CVX 630 FLOOR-MOUNTING DISTRIBUTION BOARD

BUS BAR (1 code = 2 pieces)					BUS BAR-HOLDER (1 code = 2 pieces)					FIXING CROSSPIECE (1 code= 2 pieces)					
Capacity (A) according to the IP rating		Code	Section BxH (mm)	No. bars per phase	Maximum centre distance D (mm) according to the max lcc (kA)					B= 600 mm	B= 850 mm(*)	Internal cable compartment	Direct connection to GWFIX 400		
IP 30	IP 55				Code	6kA	10kA	16kA	25kA				35kA	B= 600 mm	B= 850 mm
325	250	GW 47 631 (1000 mm) GW 47 636 (1750 mm)	20X5	1	GW 47 611	1000	1000	700	-	-	GW 47 641	GW 47 642	-	GW 47 641	GW 47 642
					GW 47 621	800	600	300	-	-	-	-	GW 47 643	-	-
530	400	GW 47 632 (1000 mm) GW 47 637 (1750 mm)	32x5	1	GW 47 612	1000	1000	1000	700	-	GW 47 641	GW 47 642	-	GW 47 641	GW 47 642
					GW 47 621	1000	800	400	100	-	-	-	GW 47 643	-	-
770	630	GW 47 633 (1000 mm) GW 47 638 (1750 mm)	30x10	1	GW 47 613	1000	1000	1000	900	350	GW 47 641	GW 47 642	-	GW 47 641	GW 47 642
					GW 47 621	1000	1000	400	100	-	-	-	GW 47 643	-	-

Note: the yellow arrows indicate an example of choice of codes relating to the bar system to be made (bar, fixing crosspiece and bar-holder).

(\*) In structures B= 850 mm with internal cable compartment, use the GW 47 641 crosspieces for bar systems on the bottom of the device compartment B= 600 mm.

# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS



## SELECTION GUIDE

### SHAPED, CONTINUOUS PROFILE BUS BAR SYSTEM - CVX 1600 BOX

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BUS BAR (1 code = 1 piece)										BUS BAR-HOLDERS (1 code = 1 piece)						FIXING CROSSPIECE (1 code = 2 pieces)				
Capacity (A) according to the IP rating			Code	Section BxH (mm)	No. bars per phase	Maximum centre distance D (mm) according to the max lcc (kA)					Min. structure depth (mm)	(2)			External cable compartment	Non-separated panel				
IP 31	IP 41	IP 65				25kA	35kA	50kA	65kA	75kA		B= 400 mm	B= 600 mm	B= 850 mm		D= 600 mm	D= 800 mm			
630	520	400	GW 49 651	20x20	1	GW 49 658	550	425	-	-	-	400	GW 49 701	GW 49 702	GW 49 703	-	GW 49 713	-		
						GW 49 659+ GW 49 675 (*)	550	550	-	-	-	600	GW 49 704	GW 49 705	GW 49 706				GW 49 715	
						GW 49 660+ GW 49 675 (*)	550	550	-	-	-	600	GW 49 701	-	-				GW 49 708	GW 49 715
						GW 49 656	550	425	-	-	-	400	GW 49 701	-	-				GW 49 708	GW 49 715
						GW 49 657+ GW 49 675 (*)	550	550	-	-	-	800	GW 49 704	-	-				GW 49 708	GW 49 715
970	830	800	GW 49 652	20x20	1	GW 49 658	550	425	-	-	-	400	GW 49 701	GW 49 702	GW 49 703	-	GW 49 713	-		
						GW 49 659+ GW 49 675 (*)	550	550	-	-	-	600	GW 49 704	GW 49 705	GW 49 706				GW 49 715	
						GW 49 660+ GW 49 675 (*)	550	550	-	-	-	600	GW 49 701	-	-				GW 49 708	GW 49 715
						GW 49 656	550	425	-	-	-	400	GW 49 701	-	-				GW 49 708	GW 49 715
						GW 49 657+ GW 49 675 (*)	550	550	-	-	-	800	GW 49 704	-	-				GW 49 708	GW 49 715
1400	1330	1250	GW 49 653	20x60	1	GW 49 659	550	550	425	275	225	600	GW 49 704	GW 49 705	GW 49 706	-	GW 49 713	GW 49 715		
						GW 49 660	550	425	350	225	-	600	GW 49 704	-	-	GW 49 708	-	GW 49 713	GW 49 715	
						GW 49 657	550	550	425	275	250	800	GW 49 704	-	-	GW 49 708	-	GW 49 713	GW 49 715	
1820	1710	1600	GW 49 654	20x60	1	GW 49 659	550	550	425	275	200	600	GW 49 704	GW 49 705	GW 49 706	-	GW 49 713	GW 49 715		
						GW 49 660	550	550	350	225	-	600	GW 49 704	-	-	GW 49 708	-	GW 49 713	GW 49 715	
						GW 49 657	550	550	425	275	250	800	GW 49 704	-	-	GW 49 708	-	GW 49 713	GW 49 715	

Note: the yellow arrows indicate an example of choice of codes relating to the bar system to be made (bar, fixing crosspiece and bar-holder).

(\*) adapter for bar-holder (1 code= 4 pieces)

(1) installation only on external compartment

(2) up to mould 2

# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS



## SELECTION GUIDE

### FIXING CROSSPIECE (1 code = 2 pieces)

Separated panel		Internal/external compartment					Location A			Location B		Direct connection to GWFIX 400	
D= 600 mm	D= 800 mm	D= 400 mm	D= 600 mm	D= 800 mm	D= 600 mm	D= 800 mm	B= 400 mm	B= 600 mm	B= 850 mm	D= 600 mm	D= 800 mm	B= 600 mm	B= 850 mm
-	-	-	-	-	-	-	-	-	-	-	-	GW 49 717	GW 49 718
GW 49 714	GW 49 716	-	GW 49 711	GW 49 712	-	GW 49 720	GW 49 721	GW 49 722	GW 49 723	GW 49 724	GW 49 725	-	-
-	-	GW 49 710	-	-	-	-	-	-	-	-	-	-	-
GW 49 716	-	-	GW 49 711 (1)	GW 49 712	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	GW 49 717	GW 49 718
GW 49 714	GW 49 716	-	GW 49 711	GW 49 712	-	GW 49 720	GW 49 721	GW 49 722	GW 49 723	GW 49 724	GW 49 725	-	-
-	-	GW 49 710	-	-	-	-	-	-	-	-	-	-	-
GW 49 716	-	-	GW 49 711 (1)	GW 49 712	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW 49 714	GW 49 716	-	GW 49 711	GW 49 712	-	GW 49 720	GW 49 721	GW 49 722	GW 49 723	GW 49 724	GW 49 725	-	-
-	-	-	GW 49 711 (1)	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW 49 714	GW 49 716	-	GW 49 711	GW 49 712	-	GW 49 720	GW 49 721	GW 49 722	GW 49 723	GW 49 724	GW 49 725	-	-
-	-	-	GW 49 711 (1)	-	-	-	-	-	-	-	-	-	-

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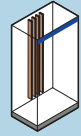
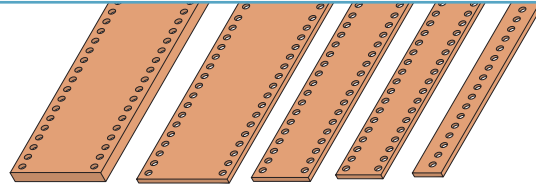
# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS



## SELECTION GUIDE

### FLAT BUS BAR SYSTEM - CVX 1600 BOX



EURODIN

BUS BAR (1 code = 2 pieces)						BUS BAR-HOLDER (1 code = 2 pieces)													
Capacity (A) according to the IP rating			Code	BxH (mm)	No. bars per Phase	Maximum centre distance D (mm) according to the max Icc (kA)											Min. structure depth (mm)	B= 600 mm	B= 850 mm
IP 31	IP 41	IP 65				6	10	16	25	35	50	75	100						
530	490	400	 GW 47 637	32x5	1		1000	1000	700	300	225	-	-	-	600	GW 49 731	GW 49 732		
772	695	630	 GW 49 677	50x5	1	 GW 49 670	1000	1000	700	375	275	225	-	-	600	GW 49 731	GW 49 732		
951	863	800	 GW 49 678	63x5	1		-	1000	700	425	300	225	-	-	600	GW 49 731	GW 49 732		
1431	1347	1250	 GW 49 679	100x5	1		-	-	700	500	375	250	-	-	600	GW 49 731	GW 49 732		
1836	1710	1600	 GW 49 680	100x10	1	 GW 49 671	-	-	-	1000	1000	600	375	225	600	GW 49 731	GW 49 732		
3056	2700	2500		100x10	2	 GW 49 672	-	-	-	1000	1000	900	400	225	800	GW 49 731	GW 49 732		
4018	3600	3200		100x10	3	 GW 49 676	-	-	-	1000	1000	800	400	225	800	GW 49 731	GW 49 732		

**Note:** the yellow arrows indicate an example of choice of the codes relating to the bar system to be made (bar, fixing crosspiece and bar-holder).

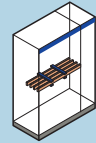
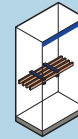
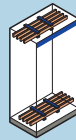
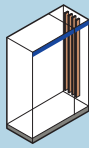
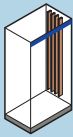
# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS



## SELECTION GUIDE

### FIXING CROSSPIECE (1 code= 2 pieces)



Non-separated panel		Separated panel		Internal/external compartment		Non-separated panel		Separated panel		Internal/external compartment			
D= 600 mm	D= 800 mm	D= 600 mm	D= 800 mm	D= 600 mm	D= 800 mm	D= 600 mm	D= 800 mm	D= 600 mm	D= 800 mm	D= 600 mm	D= 800 mm	D= 600 mm	D= 800 mm
GW 49 733	GW 49 734	GW 49 735	GW 49 736	GW 49 737	GW 49 738	GW 49 749	GW 49 720	GW 49 741	GW 49 742	GW 49 743	GW 49 744	GW 49 739	GW 49 740
GW 49 733	GW 49 734	GW 49 735	GW 49 736	GW 49 737	GW 49 738	GW 49 749	GW 49 720	GW 49 741	GW 49 742	GW 49 743	GW 49 744	GW 49 739	GW 49 740
GW 49 733	GW 49 734	GW 49 735	GW 49 736	GW 49 737	GW 49 738	GW 49 749	GW 49 720	GW 49 741	GW 49 742	GW 49 743	GW 49 744	GW 49 739	GW 49 740
GW 49 733	GW 49 734	GW 49 735	GW 49 736	GW 49 737	GW 49 738	GW 49 749	GW 49 720	GW 49 741	GW 49 742	GW 49 743	GW 49 744	GW 49 739	GW 49 740
GW 49 733	GW 49 734	GW 49 735	GW 49 736	GW 49 737	GW 49 738	GW 49 749	GW 49 720	GW 49 741	GW 49 742	GW 49 743	GW 49 744	GW 49 739	GW 49 740
-	GW 49 734	-	GW 49 736	-	GW 49 738	-	GW 49 720	-	GW 49 742	-	GW 49 744	-	GW 49 740
-	GW 49 734	-	GW 49 736	-	GW 49 738	-	GW 49 720	-	GW 49 742	-	GW 49 744	-	GW 49 740

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## MTC - COMPACT MINIATURE CIRCUIT BREAKERS

### MTC 45 - C CHARACTERISTIC - 4500 (EN 60898) - 4.5 kA (EN 60947-2)



#### COMPACT MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P</b>				
GW 90 005	6	230 - 400 V	1	6/24
GW 90 006	10	230 - 400 V	1	6/24
GW 90 007	16	230 - 400 V	1	6/24
GW 90 008	20	230 - 400 V	1	6/24
GW 90 009	25	230 - 400 V	1	6/24
GW 90 010	32	230 - 400 V	1	6/24
<b>No. POLES: 1P+N</b>				
GW 90 025	6	230 V	1	6/24
GW 90 026	10	230 V	1	6/24
GW 90 027	16	230 V	1	6/24
GW 90 028	20	230 V	1	6/24
GW 90 029	25	230 V	1	6/24
GW 90 030	32	230 V	1	6/24
<b>No. POLES: 1P+N (N-CONDUCTOR LEFT)</b>				
GW 90 605	6	230 - 400 V	1	6/24
GW 90 606	10	230 - 400 V	1	6/24
GW 90 607	16	230 - 400 V	1	6/24
GW 90 608	20	230 - 400 V	1	6/24
GW 90 609	25	230 - 400 V	1	6/24
GW 90 610	32	230 - 400 V	1	6/24
<b>No. POLES: 2P</b>				
GW 90 045	6	230 - 400 V	1	6/24
GW 90 046	10	230 - 400 V	1	6/24
GW 90 047	16	230 - 400 V	1	6/24
GW 90 048	20	230 - 400 V	1	6/24
GW 90 049	25	230 - 400 V	1	6/24
GW 90 050	32	230 - 400 V	1	6/24
<b>No. POLES: 3P</b>				
GW 90 065	6	230 - 400 V	2	3/12
GW 90 066	10	230 - 400 V	2	3/12
GW 90 067	16	230 - 400 V	2	3/12
GW 90 068	20	230 - 400 V	2	3/12
GW 90 069	25	230 - 400 V	2	3/12
GW 90 070	32	230 - 400 V	2	3/12
<b>No. POLES: 4P</b>				
GW 90 085	6	230 - 400 V	2	3/12
GW 90 086	10	230 - 400 V	2	3/12
GW 90 087	16	230 - 400 V	2	3/12
GW 90 088	20	230 - 400 V	2	3/12
GW 90 089	25	230 - 400 V	2	3/12
GW 90 090	32	230 - 400 V	2	3/12



## MTC 60 - C CHARACTERISTIC - 6000 (EN 60898) - 6 kA (EN 60947-2)



### COMPACT MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P</b>				
GW 90 205	6	230 - 400 V	1	6/24
GW 90 206	10	230 - 400 V	1	6/24
GW 90 207	16	230 - 400 V	1	6/24
GW 90 208	20	230 - 400 V	1	6/24
GW 90 209	25	230 - 400 V	1	6/24
GW 90 210	32	230 - 400 V	1	6/24
<b>No. POLES: 1P+N</b>				
GW 90 225	6	230 V	1	6/24
GW 90 226	10	230 V	1	6/24
GW 90 227	16	230 V	1	6/24
GW 90 228	20	230 V	1	6/24
GW 90 229	25	230 V	1	6/24
GW 90 230	32	230 V	1	6/24
<b>No. POLES: 2P</b>				
GW 90 245	6	230 - 400 V	1	6/24
GW 90 246	10	230 - 400 V	1	6/24
GW 90 247	16	230 - 400 V	1	6/24
GW 90 248	20	230 - 400 V	1	6/24
GW 90 249	25	230 - 400 V	1	6/24
GW 90 250	32	230 - 400 V	1	6/24
<b>No. POLES: 3P</b>				
GW 90 265	6	230 - 400 V	2	3/12
GW 90 266	10	230 - 400 V	2	3/12
GW 90 267	16	230 - 400 V	2	3/12
GW 90 268	20	230 - 400 V	2	3/12
GW 90 269	25	230 - 400 V	2	3/12
GW 90 270	32	230 - 400 V	2	3/12
<b>No. POLES: 4P</b>				
GW 90 285	6	230 - 400 V	2	3/12
GW 90 286	10	230 - 400 V	2	3/12
GW 90 287	16	230 - 400 V	2	3/12
GW 90 288	20	230 - 400 V	2	3/12
GW 90 289	25	230 - 400 V	2	3/12
GW 90 290	32	230 - 400 V	2	3/12

## MTC 100 - C CHARACTERISTIC - 10000 (EN 60898) - 10 kA (EN 60947-2)



### COMPACT MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P+N</b>				
GW 90 425	6	230 V	1	6/24
GW 90 426	10	230 V	1	6/24
GW 90 427	16	230 V	1	6/24
GW 90 428	20	230 V	1	6/24
GW 90 429	25	230 V	1	6/24
GW 90 430	32	230 V	1	6/24
<b>No. POLES: 2P</b>				
GW 90 445	6	230 V	1	6/24
GW 90 446	10	230 V	1	6/24
GW 90 447	16	230 V	1	6/24
GW 90 448	20	230 V	1	6/24
GW 90 449	25	230 V	1	6/24
GW 90 450	32	230 V	1	6/24

## MT - MINIATURE CIRCUIT BREAKERS

### MT 60 - C CHARACTERISTIC - 6000 (EN 60898) - 10 kA (EN 60947-2)



#### MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P</b>				
GW 92 001	1	230 - 400 V	1	6/24
GW 92 002	2	230 - 400 V	1	6/24
GW 92 003	3	230 - 400 V	1	6/24
GW 92 004	4	230 - 400 V	1	6/24
GW 92 005	6	230 - 400 V	1	6/24
GW 92 006	10	230 - 400 V	1	6/24
GW 92 007	16	230 - 400 V	1	6/24
GW 92 008	20	230 - 400 V	1	6/24
GW 92 009	25	230 - 400 V	1	6/24
GW 92 010	32	230 - 400 V	1	6/24
GW 92 011	40	230 - 400 V	1	6/24
GW 92 012	50	230 - 400 V	1	6/24
GW 92 013	63	230 - 400 V	1	6/24
<b>No. POLES: 1P+N</b>				
GW 92 021	1	230 V	2	3/12
GW 92 022	2	230 V	2	3/12
GW 92 023	3	230 V	2	3/12
GW 92 024	4	230 V	2	3/12
GW 92 025	6	230 V	2	3/12
GW 92 026	10	230 V	2	3/12
GW 92 027	16	230 V	2	3/12
GW 92 028	20	230 V	2	3/12
GW 92 029	25	230 V	2	3/12
GW 92 030	32	230 V	2	3/12
GW 92 031	40	230 V	2	3/12
GW 92 032	50	230 V	2	3/12
GW 92 033	63	230 V	2	3/12
<b>No. POLES: 2P</b>				
GW 92 041	1	230 - 400 V	2	3/12
GW 92 042	2	230 - 400 V	2	3/12
GW 92 043	3	230 - 400 V	2	3/12
GW 92 044	4	230 - 400 V	2	3/12
GW 92 045	6	230 - 400 V	2	3/12
GW 92 046	10	230 - 400 V	2	3/12
GW 92 047	16	230 - 400 V	2	3/12
GW 92 048	20	230 - 400 V	2	3/12
GW 92 049	25	230 - 400 V	2	3/12
GW 92 050	32	230 - 400 V	2	3/12
GW 92 051	40	230 - 400 V	2	3/12
GW 92 052	50	230 - 400 V	2	3/12
GW 92 053	63	230 - 400 V	2	3/12
<b>No. POLES: 3P</b>				
GW 92 061	1	230 - 400 V	3	2/8
GW 92 062	2	230 - 400 V	3	2/8
GW 92 063	3	230 - 400 V	3	2/8
GW 92 064	4	230 - 400 V	3	2/8
GW 92 065	6	230 - 400 V	3	2/8
GW 92 066	10	230 - 400 V	3	2/8
GW 92 067	16	230 - 400 V	3	2/8
GW 92 068	20	230 - 400 V	3	2/8
GW 92 069	25	230 - 400 V	3	2/8
GW 92 070	32	230 - 400 V	3	2/8
GW 92 071	40	230 - 400 V	3	2/8
GW 92 072	50	230 - 400 V	3	2/8
GW 92 073	63	230 - 400 V	3	2/8

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(TO BE CONTINUED)  
MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 4P</b>				
GW 92 081	1	230 - 400 V	4	1/2
GW 92 082	2	230 - 400 V	4	1/2
GW 92 083	3	230 - 400 V	4	1/2
GW 92 084	4	230 - 400 V	4	1/2
GW 92 085	6	230 - 400 V	4	1/2
GW 92 086	10	230 - 400 V	4	1/2
GW 92 087	16	230 - 400 V	4	1/2
GW 92 088	20	230 - 400 V	4	1/2
GW 92 089	25	230 - 400 V	4	1/2
GW 92 090	32	230 - 400 V	4	1/2
GW 92 091	40	230 - 400 V	4	1/2
GW 92 092	50	230 - 400 V	4	1/2
GW 92 093	63	230 - 400 V	4	1/2

## MT 60 - B CHARACTERISTIC - 6000 (EN 60898) - 10 kA (EN 60947-2)



MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P</b>				
GW 92 205	6	230 - 400 V	1	6/24
GW 92 206	10	230 - 400 V	1	6/24
GW 92 207	16	230 - 400 V	1	6/24
GW 92 208	20	230 - 400 V	1	6/24
GW 92 209	25	230 - 400 V	1	6/24
GW 92 210	32	230 - 400 V	1	6/24
GW 92 211	40	230 - 400 V	1	6/24
GW 92 212	50	230 - 400 V	1	6/24
GW 92 213	63	230 - 400 V	1	6/24
<b>No. POLES: 2P</b>				
GW 92 245	6	230 - 400 V	2	3/12
GW 92 246	10	230 - 400 V	2	3/12
GW 92 247	16	230 - 400 V	2	3/12
GW 92 248	20	230 - 400 V	2	3/12
GW 92 249	25	230 - 400 V	2	3/12
GW 92 250	32	230 - 400 V	2	3/12
GW 92 251	40	230 - 400 V	2	3/12
GW 92 252	50	230 - 400 V	2	3/12
GW 92 253	63	230 - 400 V	2	3/12
<b>No. POLES: 3P</b>				
GW 92 265	6	230 - 400 V	3	2/8
GW 92 266	10	230 - 400 V	3	2/8
GW 92 267	16	230 - 400 V	3	2/8
GW 92 268	20	230 - 400 V	3	2/8
GW 92 269	25	230 - 400 V	3	2/8
GW 92 270	32	230 - 400 V	3	2/8
GW 92 271	40	230 - 400 V	3	2/8
GW 92 272	50	230 - 400 V	3	2/8
GW 92 273	63	230 - 400 V	3	2/8
<b>No. POLES: 4P</b>				
GW 92 285	6	230 - 400 V	4	1/2
GW 92 286	10	230 - 400 V	4	1/2
GW 92 287	16	230 - 400 V	4	1/2
GW 92 288	20	230 - 400 V	4	1/2
GW 92 289	25	230 - 400 V	4	1/2
GW 92 290	32	230 - 400 V	4	1/2
GW 92 291	40	230 - 400 V	4	1/2
GW 92 292	50	230 - 400 V	4	1/2
GW 92 293	63	230 - 400 V	4	1/2

## MT 60 - D CHARACTERISTIC - 6000 (EN 60898) - 10 kA (EN 60947-2)



### MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P</b>				
GW 92 405	6	230 - 400 V	1	6/24
GW 92 406	10	230 - 400 V	1	6/24
GW 92 407	16	230 - 400 V	1	6/24
GW 92 408	20	230 - 400 V	1	6/24
GW 92 409	25	230 - 400 V	1	6/24
GW 92 410	32	230 - 400 V	1	6/24
GW 92 411	40	230 - 400 V	1	6/24
<b>No. POLES: 2P</b>				
GW 92 445	6	230 - 400 V	2	3/12
GW 92 446	10	230 - 400 V	2	3/12
GW 92 447	16	230 - 400 V	2	3/12
GW 92 448	20	230 - 400 V	2	3/12
GW 92 449	25	230 - 400 V	2	3/12
GW 92 450	32	230 - 400 V	2	3/12
GW 92 451	40	230 - 400 V	2	3/12
<b>No. POLES: 3P</b>				
GW 92 465	6	230 - 400 V	3	2/8
GW 92 466	10	230 - 400 V	3	2/8
GW 92 467	16	230 - 400 V	3	2/8
GW 92 468	20	230 - 400 V	3	2/8
GW 92 469	25	230 - 400 V	3	2/8
GW 92 470	32	230 - 400 V	3	2/8
GW 92 471	40	230 - 400 V	3	2/8
<b>No. POLES: 4P</b>				
GW 92 485	6	230 - 400 V	4	1/2
GW 92 486	10	230 - 400 V	4	1/2
GW 92 487	16	230 - 400 V	4	1/2
GW 92 488	20	230 - 400 V	4	1/2
GW 92 489	25	230 - 400 V	4	1/2
GW 92 490	32	230 - 400 V	4	1/2
GW 92 491	40	230 - 400 V	4	1/2

## MT 100 - C CHARACTERISTIC - 10000 (EN 60898) - UP TO 15 kA (EN 60947-2)



### MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P</b>				
GW 92 605	6	230 - 400 V	1	6/24
GW 92 606	10	230 - 400 V	1	6/24
GW 92 607	16	230 - 400 V	1	6/24
GW 92 608	20	230 - 400 V	1	6/24
GW 92 609	25	230 - 400 V	1	6/24
GW 92 610	32	230 - 400 V	1	6/24
GW 92 611	40	230 - 400 V	1	6/24
GW 92 612	50	230 - 400 V	1	6/24
GW 92 613	63	230 - 400 V	1	6/24
<b>No. POLES: 2P</b>				
GW 92 645	6	230 - 400 V	2	3/12
GW 92 646	10	230 - 400 V	2	3/12
GW 92 647	16	230 - 400 V	2	3/12
GW 92 648	20	230 - 400 V	2	3/12
GW 92 649	25	230 - 400 V	2	3/12
GW 92 650	32	230 - 400 V	2	3/12
GW 92 651	40	230 - 400 V	2	3/12
GW 92 652	50	230 - 400 V	2	3/12
GW 92 653	63	230 - 400 V	2	3/12

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MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 3P</b>				
GW 92 665	6	230 - 400 V	3	2/8
GW 92 666	10	230 - 400 V	3	2/8
GW 92 667	16	230 - 400 V	3	2/8
GW 92 668	20	230 - 400 V	3	2/8
GW 92 669	25	230 - 400 V	3	2/8
GW 92 670	32	230 - 400 V	3	2/8
GW 92 671	40	230 - 400 V	3	2/8
GW 92 672	50	230 - 400 V	3	2/8
GW 92 673	63	230 - 400 V	3	2/8
<b>No. POLES: 4P</b>				
GW 92 685	6	230 - 400 V	4	1/2
GW 92 686	10	230 - 400 V	4	1/2
GW 92 687	16	230 - 400 V	4	1/2
GW 92 688	20	230 - 400 V	4	1/2
GW 92 689	25	230 - 400 V	4	1/2
GW 92 690	32	230 - 400 V	4	1/2
GW 92 691	40	230 - 400 V	4	1/2
GW 92 692	50	230 - 400 V	4	1/2
GW 92 693	63	230 - 400 V	4	1/2

## MT 100 - D CHARACTERISTIC - 10000 (EN 60898) - UP TO 15 kA (EN 60947-2)



MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P</b>				
GW 92 701	1	230 - 400 V	1	6/24
GW 92 702	2	230 - 400 V	1	6/24
GW 92 703	3	230 - 400 V	1	6/24
GW 92 704	4	230 - 400 V	1	6/24
GW 92 705	6	230 - 400 V	1	6/24
GW 92 706	10	230 - 400 V	1	6/24
GW 92 707	16	230 - 400 V	1	6/24
GW 92 708	20	230 - 400 V	1	6/24
GW 92 709	25	230 - 400 V	1	6/24
GW 92 710	32	230 - 400 V	1	6/24
GW 92 711	40	230 - 400 V	1	6/24
<b>No. POLES: 2P</b>				
GW 92 741	1	230 - 400 V	2	3/12
GW 92 742	2	230 - 400 V	2	3/12
GW 92 743	3	230 - 400 V	2	3/12
GW 92 744	4	230 - 400 V	2	3/12
GW 92 745	6	230 - 400 V	2	3/12
GW 92 746	10	230 - 400 V	2	3/12
GW 92 747	16	230 - 400 V	2	3/12
GW 92 748	20	230 - 400 V	2	3/12
GW 92 749	25	230 - 400 V	2	3/12
GW 92 750	32	230 - 400 V	2	3/12
GW 92 751	40	230 - 400 V	2	3/12
<b>No. POLES: 3P</b>				
GW 92 761	1	230 - 400 V	3	2/8
GW 92 762	2	230 - 400 V	3	2/8
GW 92 763	3	230 - 400 V	3	2/8
GW 92 764	4	230 - 400 V	3	2/8
GW 92 765	6	230 - 400 V	3	2/8
GW 92 766	10	230 - 400 V	3	2/8
GW 92 767	16	230 - 400 V	3	2/8
GW 92 768	20	230 - 400 V	3	2/8
GW 92 769	25	230 - 400 V	3	2/8
GW 92 770	32	230 - 400 V	3	2/8
GW 92 771	40	230 - 400 V	3	2/8

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MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 4P</b>				
GW 92 781	1	230 - 400 V	4	1/2
GW 92 782	2	230 - 400 V	4	1/2
GW 92 783	3	230 - 400 V	4	1/2
GW 92 784	4	230 - 400 V	4	1/2
GW 92 785	6	230 - 400 V	4	1/2
GW 92 786	10	230 - 400 V	4	1/2
GW 92 787	16	230 - 400 V	4	1/2
GW 92 788	20	230 - 400 V	4	1/2
GW 92 789	25	230 - 400 V	4	1/2
GW 92 790	32	230 - 400 V	4	1/2
GW 92 791	40	230 - 400 V	4	1/2

## MT 250 - C CHARACTERISTIC - 25000 (EN 60898) - UP TO 25 kA (EN 60947-2)



MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P</b>				
GW 92 805	6	230 - 400 V	1	6/24
GW 92 806	10	230 - 400 V	1	6/24
GW 92 807	16	230 - 400 V	1	6/24
GW 92 808	20	230 - 400 V	1	6/24
GW 92 809	25	230 - 400 V	1	6/24
GW 92 810	32	230 - 400 V	1	6/24
GW 92 811	40	230 - 400 V	1	6/24
GW 92 812	50	230 - 400 V	1	6/24
GW 92 813	63	230 - 400 V	1	6/24
<b>No. POLES: 2P</b>				
GW 92 845	6	230 - 400 V	2	3/12
GW 92 846	10	230 - 400 V	2	3/12
GW 92 847	16	230 - 400 V	2	3/12
GW 92 848	20	230 - 400 V	2	3/12
GW 92 849	25	230 - 400 V	2	3/12
GW 92 850	32	230 - 400 V	2	3/12
GW 92 851	40	230 - 400 V	2	3/12
GW 92 852	50	230 - 400 V	2	3/12
GW 92 853	63	230 - 400 V	2	3/12
<b>No. POLES: 3P</b>				
GW 92 865	6	230 - 400 V	3	2/8
GW 92 866	10	230 - 400 V	3	2/8
GW 92 867	16	230 - 400 V	3	2/8
GW 92 868	20	230 - 400 V	3	2/8
GW 92 869	25	230 - 400 V	3	2/8
GW 92 870	32	230 - 400 V	3	2/8
GW 92 871	40	230 - 400 V	3	2/8
GW 92 872	50	230 - 400 V	3	2/8
GW 92 873	63	230 - 400 V	3	2/8
<b>No. POLES: 4P</b>				
GW 92 885	6	230 - 400 V	4	1/2
GW 92 886	10	230 - 400 V	4	1/2
GW 92 887	16	230 - 400 V	4	1/2
GW 92 888	20	230 - 400 V	4	1/2
GW 92 889	25	230 - 400 V	4	1/2
GW 92 890	32	230 - 400 V	4	1/2
GW 92 891	40	230 - 400 V	4	1/2
GW 92 892	50	230 - 400 V	4	1/2
GW 92 893	63	230 - 400 V	4	1/2

## MTHP - HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS

### MTHP 100 - C CHARACTERISTIC - 10000 (EN 60898) - 10 kA (EN 60947-2)



#### HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P</b>				
GW 93 107	80	230 - 400 V	1,5	1/12
GW 93 108	100	230 - 400 V	1,5	1/12
GW 93 109	125	230 - 400 V	1,5	1/12
<b>No. POLES: 2P</b>				
GW 93 127	80	230 - 400 V	3	1/8
GW 93 128	100	230 - 400 V	3	1/8
GW 93 129	125	230 - 400 V	3	1/8
<b>No. POLES: 3P</b>				
GW 93 137	80	230 - 400 V	4,5	1/4
GW 93 138	100	230 - 400 V	4,5	1/4
GW 93 139	125	230 - 400 V	4,5	1/4
<b>No. POLES: 4P</b>				
GW 93 147	80	230 - 400 V	6	1/4
GW 93 148	100	230 - 400 V	6	1/4
GW 93 149	125	230 - 400 V	6	1/4

### MTHP 100 - D CHARACTERISTIC - 10000 (EN 60898) - 10 kA (EN 60947-2)



#### HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P</b>				
GW 93 156	63	230 - 400 V	1,5	1/12
GW 93 157	80	230 - 400 V	1,5	1/12
GW 93 158	100	230 - 400 V	1,5	1/12
<b>No. POLES: 2P</b>				
GW 93 176	63	230 - 400 V	3	1/8
GW 93 177	80	230 - 400 V	3	1/8
GW 93 178	100	230 - 400 V	3	1/8
<b>No. POLES: 3P</b>				
GW 93 186	63	230 - 400 V	4,5	1/4
GW 93 187	80	230 - 400 V	4,5	1/4
GW 93 188	100	230 - 400 V	4,5	1/4
<b>No. POLES: 4P</b>				
GW 93 196	63	230 - 400 V	6	1/4
GW 93 197	80	230 - 400 V	6	1/4
GW 93 198	100	230 - 400 V	6	1/4

### MTHP 160 - C CHARACTERISTIC - 10000 (EN 60898) - 16 kA (EN 60947-2)



#### HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1</b>				
GW 93 307 ♣	80	230 - 400 V	1,5	1/12
GW 93 308 ♣	100	230 - 400 V	1,5	1/12
GW 93 309 ♣	125	230 - 400 V	1,5	1/12
<b>No. POLES: 2</b>				
GW 93 327 ♣	80	230 - 400 V	3	1/8
GW 93 328 ♣	100	230 - 400 V	3	1/8
GW 93 329 ♣	125	230 - 400 V	3	1/8
<b>No. POLES: 3</b>				
GW 93 337 ♣	80	230 - 400 V	4,5	1/4
GW 93 338 ♣	100	230 - 400 V	4,5	1/4
GW 93 339 ♣	125	230 - 400 V	4,5	1/4
<b>No. POLES: 4</b>				
GW 93 347 ♣	80	230 - 400 V	6	1/4
GW 93 348 ♣	100	230 - 400 V	6	1/4
GW 93 349 ♣	125	230 - 400 V	6	1/4

NEW

## MTHP 160 - D CHARACTERISTIC - 10000 (EN 60898) - 16 kA (EN 60947-2)

NEW



### HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1</b>				
GW 93 356 ◆	63	230 - 400 V	1,5	1/12
GW 93 357 ◆	80	230 - 400 V	1,5	1/12
GW 93 358 ◆	100	230 - 400 V	1,5	1/12
<b>No. POLES: 2</b>				
GW 93 376 ◆	63	230 - 400 V	3	1/8
GW 93 377 ◆	80	230 - 400 V	3	1/8
GW 93 378 ◆	100	230 - 400 V	3	1/8
<b>No. POLES: 3</b>				
GW 93 386 ◆	63	230 - 400 V	4,5	1/4
GW 93 387 ◆	80	230 - 400 V	4,5	1/4
GW 93 388 ◆	100	230 - 400 V	4,5	1/4
<b>No. POLES: 4</b>				
GW 93 396 ◆	63	230 - 400 V	6	1/4
GW 93 397 ◆	80	230 - 400 V	6	1/4
GW 93 398 ◆	100	230 - 400 V	6	1/4

## MTHP 250 - C CHARACTERISTIC - 25000 (EN 60898) - 25 kA (EN 60947-2)



### HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS

Code	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P</b>				
GW 93 201	20	230 - 400 V	1,5	1/12
GW 93 202	25	230 - 400 V	1,5	1/12
GW 93 203	32	230 - 400 V	1,5	1/12
GW 93 204	40	230 - 400 V	1,5	1/12
GW 93 205	50	230 - 400 V	1,5	1/12
GW 93 206	63	230 - 400 V	1,5	1/12
<b>No. POLES: 2P</b>				
GW 93 221	20	230 - 400 V	3	1/8
GW 93 222	25	230 - 400 V	3	1/8
GW 93 223	32	230 - 400 V	3	1/8
GW 93 224	40	230 - 400 V	3	1/8
GW 93 225	50	230 - 400 V	3	1/8
GW 93 226	63	230 - 400 V	3	1/8
<b>No. POLES: 3P</b>				
GW 93 231	20	230 - 400 V	4,5	1/4
GW 93 232	25	230 - 400 V	4,5	1/4
GW 93 233	32	230 - 400 V	4,5	1/4
GW 93 234	40	230 - 400 V	4,5	1/4
GW 93 235	50	230 - 400 V	4,5	1/4
GW 93 236	63	230 - 400 V	4,5	1/4
<b>No. POLES: 4P</b>				
GW 93 241	20	230 - 400 V	6	1/4
GW 93 242	25	230 - 400 V	6	1/4
GW 93 243	32	230 - 400 V	6	1/4
GW 93 244	40	230 - 400 V	6	1/4
GW 93 245	50	230 - 400 V	6	1/4
GW 93 246	63	230 - 400 V	6	1/4



# 90 RCD RANGE

MODULAR DEVICES FOR RESIDUAL CURRENT PROTECTION



90 RCD RANGE



## MDC - ONE-PIECE COMPACT MODULAR RESIDUAL CURRENT DEVICES

### MDC 45 - CLASS AC - C CHARACTERISTIC - 4500 (EN 61009-1) - 4.5 kA (EN 60947-2)



#### COMPACT RESIDUAL CURRENT MINIATURE CIRCUIT BREAKERS

Code	I <sub>dn</sub>	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P+N</b>					
GW 94 005	30 mA	6	230 V	2	1/6
GW 94 006	30 mA	10	230 V	2	1/6
GW 94 007	30 mA	16	230 V	2	1/6
GW 94 008	30 mA	20	230 V	2	1/6
GW 94 009	30 mA	25	230 V	2	1/6
GW 94 010	30 mA	32	230 V	2	1/6
GW 94 015	300 mA	6	230 V	2	1/6
GW 94 016	300 mA	10	230 V	2	1/6
GW 94 017	300 mA	16	230 V	2	1/6
GW 94 018	300 mA	20	230 V	2	1/6
GW 94 019	300 mA	25	230 V	2	1/6
GW 94 020	300 mA	32	230 V	2	1/6
<b>No. POLES: 2P</b>					
GW 94 025	30 mA	6	230 - 400 V	2	1/6
GW 94 026	30 mA	10	230 - 400 V	2	1/6
GW 94 027	30 mA	16	230 - 400 V	2	1/6
GW 94 028	30 mA	20	230 - 400 V	2	1/6
GW 94 029	30 mA	25	230 - 400 V	2	1/6
GW 94 030	30 mA	32	230 - 400 V	2	1/6
GW 94 035	300 mA	6	230 - 400 V	2	1/6
GW 94 036	300 mA	10	230 - 400 V	2	1/6
GW 94 037	300 mA	16	230 - 400 V	2	1/6
GW 94 038	300 mA	20	230 - 400 V	2	1/6
GW 94 039	300 mA	25	230 - 400 V	2	1/6
GW 94 040	300 mA	32	230 - 400 V	2	1/6
<b>No. POLES: 3P</b>					
GW 94 045	30 mA	6	230 - 400 V	3	1/4
GW 94 046	30 mA	10	230 - 400 V	3	1/4
GW 94 047	30 mA	16	230 - 400 V	3	1/4
GW 94 048	30 mA	20	230 - 400 V	3	1/4
GW 94 049	30 mA	25	230 - 400 V	3	1/4
GW 94 050	30 mA	32	230 - 400 V	3	1/4
GW 94 055	300 mA	6	230 - 400 V	3	1/4
GW 94 056	300 mA	10	230 - 400 V	3	1/4
GW 94 057	300 mA	16	230 - 400 V	3	1/4
GW 94 058	300 mA	20	230 - 400 V	3	1/4
GW 94 059	300 mA	25	230 - 400 V	3	1/4
GW 94 060	300 mA	32	230 - 400 V	3	1/4

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◆=May 2004

●=March 2004

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COMPACT RESIDUAL CURRENT MINIATURE CIRCUIT BREAKERS

Code	Idn	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 4P</b>					
GW 94 065	30 mA	6	230 - 400 V	4	1/2
GW 94 066	30 mA	10	230 - 400 V	4	1/2
GW 94 067	30 mA	16	230 - 400 V	4	1/2
GW 94 068	30 mA	20	230 - 400 V	4	1/2
GW 94 069	30 mA	25	230 - 400 V	4	1/2
GW 94 070	30 mA	32	230 - 400 V	4	1/2
GW 94 075	300 mA	6	230 - 400 V	4	1/2
GW 94 076	300 mA	10	230 - 400 V	4	1/2
GW 94 077	300 mA	16	230 - 400 V	4	1/2
GW 94 078	300 mA	20	230 - 400 V	4	1/2
GW 94 079	300 mA	25	230 - 400 V	4	1/2
GW 94 080	300 mA	32	230 - 400 V	4	1/2

## MDC 45 - CLASS A - C CHARACTERISTIC - 4500 (EN 61009-1) - 4.5 kA (EN 60947-2)



COMPACT RESIDUAL CURRENT MINIATURE CIRCUIT BREAKERS

Code	Idn	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P+N</b>					
GW 94 205	30 mA	6	230 V	2	1/6
GW 94 206	30 mA	10	230 V	2	1/6
GW 94 207	30 mA	16	230 V	2	1/6
GW 94 208	30 mA	20	230 V	2	1/6
GW 94 209	30 mA	25	230 V	2	1/6
GW 94 210	30 mA	32	230 V	2	1/6
GW 94 215	300 mA	6	230 V	2	1/6
GW 94 216	300 mA	10	230 V	2	1/6
GW 94 217	300 mA	16	230 V	2	1/6
GW 94 218	300 mA	20	230 V	2	1/6
GW 94 219	300 mA	25	230 V	2	1/6
GW 94 220	300 mA	32	230 V	2	1/6
<b>No. POLES: 2P</b>					
GW 94 225	30 mA	6	230 - 400 V	2	1/6
GW 94 226	30 mA	10	230 - 400 V	2	1/6
GW 94 227	30 mA	16	230 - 400 V	2	1/6
GW 94 228	30 mA	20	230 - 400 V	2	1/6
GW 94 229	30 mA	25	230 - 400 V	2	1/6
GW 94 230	30 mA	32	230 - 400 V	2	1/6
GW 94 235	300 mA	6	230 - 400 V	2	1/6
GW 94 236	300 mA	10	230 - 400 V	2	1/6
GW 94 237	300 mA	16	230 - 400 V	2	1/6
GW 94 238	300 mA	20	230 - 400 V	2	1/6
GW 94 239	300 mA	25	230 - 400 V	2	1/6
GW 94 240	300 mA	32	230 - 400 V	2	1/6
<b>No. POLES: 3P</b>					
GW 94 245	30 mA	6	230 - 400 V	3	1/4
GW 94 246	30 mA	10	230 - 400 V	3	1/4
GW 94 247	30 mA	16	230 - 400 V	3	1/4
GW 94 248	30 mA	20	230 - 400 V	3	1/4
GW 94 249	30 mA	25	230 - 400 V	3	1/4
GW 94 250	30 mA	32	230 - 400 V	3	1/4
GW 94 255	300 mA	6	230 - 400 V	3	1/4
GW 94 256	300 mA	10	230 - 400 V	3	1/4
GW 94 257	300 mA	16	230 - 400 V	3	1/4
GW 94 258	300 mA	20	230 - 400 V	3	1/4
GW 94 259	300 mA	25	230 - 400 V	3	1/4
GW 94 260	300 mA	32	230 - 400 V	3	1/4

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COMPACT RESIDUAL CURRENT MINIATURE CIRCUIT BREAKERS

Code	Idn	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 4P</b>					
GW 94 265	30 mA	6	230 - 400 V	4	1/2
GW 94 266	30 mA	10	230 - 400 V	4	1/2
GW 94 267	30 mA	16	230 - 400 V	4	1/2
GW 94 268	30 mA	20	230 - 400 V	4	1/2
GW 94 269	30 mA	25	230 - 400 V	4	1/2
GW 94 270	30 mA	32	230 - 400 V	4	1/2
GW 94 275	300 mA	6	230 - 400 V	4	1/2
GW 94 276	300 mA	10	230 - 400 V	4	1/2
GW 94 277	300 mA	16	230 - 400 V	4	1/2
GW 94 278	300 mA	20	230 - 400 V	4	1/2
GW 94 279	300 mA	25	230 - 400 V	4	1/2
GW 94 280	300 mA	32	230 - 400 V	4	1/2

## MDC 60 - CLASS AC - C CHARACTERISTIC - 6000 (EN 61009-1) - 6 kA (EN 60947-2)



COMPACT RESIDUAL CURRENT MINIATURE CIRCUIT BREAKERS

Code	Idn	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P+N</b>					
GW 94 105	30 mA	6	230 V	2	1/6
GW 94 106	30 mA	10	230 V	2	1/6
GW 94 107	30 mA	16	230 V	2	1/6
GW 94 108	30 mA	20	230 V	2	1/6
GW 94 109	30 mA	25	230 V	2	1/6
GW 94 110	30 mA	32	230 V	2	1/6
GW 94 115	300 mA	6	230 V	2	1/6
GW 94 116	300 mA	10	230 V	2	1/6
GW 94 117	300 mA	16	230 V	2	1/6
GW 94 118	300 mA	20	230 V	2	1/6
GW 94 119	300 mA	25	230 V	2	1/6
GW 94 120	300 mA	32	230 V	2	1/6
<b>No. POLES: 2P</b>					
GW 94 125	30 mA	6	230 - 400 V	2	1/6
GW 94 126	30 mA	10	230 - 400 V	2	1/6
GW 94 127	30 mA	16	230 - 400 V	2	1/6
GW 94 128	30 mA	20	230 - 400 V	2	1/6
GW 94 129	30 mA	25	230 - 400 V	2	1/6
GW 94 130	30 mA	32	230 - 400 V	2	1/6
GW 94 135	300 mA	6	230 - 400 V	2	1/6
GW 94 136	300 mA	10	230 - 400 V	2	1/6
GW 94 137	300 mA	16	230 - 400 V	2	1/6
GW 94 138	300 mA	20	230 - 400 V	2	1/6
GW 94 139	300 mA	25	230 - 400 V	2	1/6
GW 94 140	300 mA	32	230 - 400 V	2	1/6
<b>No. POLES: 3P</b>					
GW 94 145	30 mA	6	230 - 400 V	3	1/4
GW 94 146	30 mA	10	230 - 400 V	3	1/4
GW 94 147	30 mA	16	230 - 400 V	3	1/4
GW 94 148	30 mA	20	230 - 400 V	3	1/4
GW 94 149	30 mA	25	230 - 400 V	3	1/4
GW 94 150	30 mA	32	230 - 400 V	3	1/4
GW 94 155	300 mA	6	230 - 400 V	3	1/4
GW 94 156	300 mA	10	230 - 400 V	3	1/4
GW 94 157	300 mA	16	230 - 400 V	3	1/4
GW 94 158	300 mA	20	230 - 400 V	3	1/4
GW 94 159	300 mA	25	230 - 400 V	3	1/4
GW 94 160	300 mA	32	230 - 400 V	3	1/4

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COMPACT RESIDUAL CURRENT MINIATURE CIRCUIT BREAKERS

Code	Idn	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 4P</b>					
GW 94 165	30 mA	6	230 - 400 V	4	1/2
GW 94 166	30 mA	10	230 - 400 V	4	1/2
GW 94 167	30 mA	16	230 - 400 V	4	1/2
GW 94 168	30 mA	20	230 - 400 V	4	1/2
GW 94 169	30 mA	25	230 - 400 V	4	1/2
GW 94 170	30 mA	32	230 - 400 V	4	1/2
GW 94 175	300 mA	6	230 - 400 V	4	1/2
GW 94 176	300 mA	10	230 - 400 V	4	1/2
GW 94 177	300 mA	16	230 - 400 V	4	1/2
GW 94 178	300 mA	20	230 - 400 V	4	1/2
GW 94 179	300 mA	25	230 - 400 V	4	1/2
GW 94 180	300 mA	32	230 - 400 V	4	1/2

## MDC 60 - CLASS A - C CHARACTERISTIC - 6000 (EN 61009-1) - 6 kA (EN 60947-2)



COMPACT RESIDUAL CURRENT MINIATURE CIRCUIT BREAKERS

Code	Idn	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P+N</b>					
GW 94 305	30 mA	6	230 V	2	1/6
GW 94 306	30 mA	10	230 V	2	1/6
GW 94 307	30 mA	16	230 V	2	1/6
GW 94 308	30 mA	20	230 V	2	1/6
GW 94 309	30 mA	25	230 V	2	1/6
GW 94 310	30 mA	32	230 V	2	1/6
GW 94 315	300 mA	6	230 V	2	1/6
GW 94 316	300 mA	10	230 V	2	1/6
GW 94 317	300 mA	16	230 V	2	1/6
GW 94 318	300 mA	20	230 V	2	1/6
GW 94 319	300 mA	25	230 V	2	1/6
GW 94 320	300 mA	32	230 V	2	1/6
<b>No. POLES: 2P</b>					
GW 94 325	30 mA	6	230 - 400 V	2	1/6
GW 94 326	30 mA	10	230 - 400 V	2	1/6
GW 94 327	30 mA	16	230 - 400 V	2	1/6
GW 94 328	30 mA	20	230 - 400 V	2	1/6
GW 94 329	30 mA	25	230 - 400 V	2	1/6
GW 94 330	30 mA	32	230 - 400 V	2	1/6
GW 94 335	300 mA	6	230 - 400 V	2	1/6
GW 94 336	300 mA	10	230 - 400 V	2	1/6
GW 94 337	300 mA	16	230 - 400 V	2	1/6
GW 94 338	300 mA	20	230 - 400 V	2	1/6
GW 94 339	300 mA	25	230 - 400 V	2	1/6
GW 94 340	300 mA	32	230 - 400 V	2	1/6
<b>No. POLES: 3P</b>					
GW 94 345	30 mA	6	230 - 400 V	3	1/4
GW 94 346	30 mA	10	230 - 400 V	3	1/4
GW 94 347	30 mA	16	230 - 400 V	3	1/4
GW 94 348	30 mA	20	230 - 400 V	3	1/4
GW 94 349	30 mA	25	230 - 400 V	3	1/4
GW 94 350	30 mA	32	230 - 400 V	3	1/4
GW 94 355	300 mA	6	230 - 400 V	3	1/4
GW 94 356	300 mA	10	230 - 400 V	3	1/4
GW 94 357	300 mA	16	230 - 400 V	3	1/4
GW 94 358	300 mA	20	230 - 400 V	3	1/4
GW 94 359	300 mA	25	230 - 400 V	3	1/4
GW 94 360	300 mA	32	230 - 400 V	3	1/4

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**COMPACT RESIDUAL CURRENT MINIATURE CIRCUIT BREAKERS**

Code	Idn	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 4P</b>					
GW 94 365	30 mA	6	230 - 400 V	4	1/2
GW 94 366	30 mA	10	230 - 400 V	4	1/2
GW 94 367	30 mA	16	230 - 400 V	4	1/2
GW 94 368	30 mA	20	230 - 400 V	4	1/2
GW 94 369	30 mA	25	230 - 400 V	4	1/2
GW 94 370	30 mA	32	230 - 400 V	4	1/2
GW 94 375	300 mA	6	230 - 400 V	4	1/2
GW 94 376	300 mA	10	230 - 400 V	4	1/2
GW 94 377	300 mA	16	230 - 400 V	4	1/2
GW 94 378	300 mA	20	230 - 400 V	4	1/2
GW 94 379	300 mA	25	230 - 400 V	4	1/2
GW 94 380	300 mA	32	230 - 400 V	4	1/2

## MDC 100 - CLASS AC - C CHARACTERISTIC - 10000 (EN 61009-1) - 10 kA (EN 60947-2)



**COMPACT RESIDUAL CURRENT MINIATURE CIRCUIT BREAKERS**

Code	Idn	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P+N</b>					
GW 95 005	30 mA	6	230 V	2	1/6
GW 95 006	30 mA	10	230 V	2	1/6
GW 95 007	30 mA	16	230 V	2	1/6
GW 95 008	30 mA	20	230 V	2	1/6
GW 95 009	30 mA	25	230 V	2	1/6
GW 95 010	30 mA	32	230 V	2	1/6
GW 95 015	300 mA	6	230 V	2	1/6
GW 95 016	300 mA	10	230 V	2	1/6
GW 95 017	300 mA	16	230 V	2	1/6
GW 95 018	300 mA	20	230 V	2	1/6
GW 95 019	300 mA	25	230 V	2	1/6
GW 95 020	300 mA	32	230 V	2	1/6
<b>No. POLES: 2P</b>					
GW 95 025	30 mA	6	230 V	2	1/6
GW 95 026	30 mA	10	230 V	2	1/6
GW 95 027	30 mA	16	230 V	2	1/6
GW 95 028	30 mA	20	230 V	2	1/6
GW 95 029	30 mA	25	230 V	2	1/6
GW 95 030	30 mA	32	230 V	2	1/6
GW 95 035	300 mA	6	230 V	2	1/6
GW 95 036	300 mA	10	230 V	2	1/6
GW 95 037	300 mA	16	230 V	2	1/6
GW 95 038	300 mA	20	230 V	2	1/6
GW 95 039	300 mA	25	230 V	2	1/6
GW 95 040	300 mA	32	230 V	2	1/6

## MDC 100 - CLASS A - C CHARACTERISTIC - 10000 (EN 61009-1) - 10 kA (EN 60947-2)



**COMPACT RESIDUAL CURRENT MINIATURE CIRCUIT BREAKERS**

Code	Idn	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 1P+N</b>					
GW 95 205	30 mA	6	230 V	2	1/6
GW 95 206	30 mA	10	230 V	2	1/6
GW 95 207	30 mA	16	230 V	2	1/6
GW 95 208	30 mA	20	230 V	2	1/6
GW 95 209	30 mA	25	230 V	2	1/6
GW 95 210	30 mA	32	230 V	2	1/6
GW 95 215	300 mA	6	230 V	2	1/6
GW 95 216	300 mA	10	230 V	2	1/6
GW 95 217	300 mA	16	230 V	2	1/6
GW 95 218	300 mA	20	230 V	2	1/6
GW 95 219	300 mA	25	230 V	2	1/6
GW 95 220	300 mA	32	230 V	2	1/6

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COMPACT RESIDUAL CURRENT MINIATURE CIRCUIT BREAKERS

Code	I <sub>dn</sub>	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 2P</b>					
GW 95 225	30 mA	6	230 V	2	1/6
GW 95 226	30 mA	10	230 V	2	1/6
GW 95 227	30 mA	16	230 V	2	1/6
GW 95 228	30 mA	20	230 V	2	1/6
GW 95 229	30 mA	25	230 V	2	1/6
GW 95 230	30 mA	32	230 V	2	1/6
GW 95 235	300 mA	6	230 V	2	1/6
GW 95 236	300 mA	10	230 V	2	1/6
GW 95 237	300 mA	16	230 V	2	1/6
GW 95 238	300 mA	20	230 V	2	1/6
GW 95 239	300 mA	25	230 V	2	1/6
GW 95 240	300 mA	32	230 V	2	1/6

## BD - MODULAR RESIDUAL CURRENT BLOCKS FOR CIRCUIT BREAKERS MT 60 - MT 100 - MT 250

### BD - CLASS AC INSTANTANEOUS



RESIDUAL CURRENT BLOCKS

Code	I <sub>dn</sub>	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 2P</b>					
GW 94 401	10 mA	25	230 - 400 V	2	1/2
GW 94 402	30 mA	25	230 - 400 V	2	1/2
GW 94 403	300 mA	25	230 - 400 V	2	1/2
GW 94 404	500 mA	25	230 - 400 V	2	1/2
GW 94 412	30 mA	63	230 - 400 V	2	1/2
GW 94 413	300 mA	63	230 - 400 V	2	1/2
GW 94 414	500 mA	63	230 - 400 V	2	1/2
<b>No. POLES: 3P</b>					
GW 94 442	30 mA	25	230 - 400 V	3,5	1/2
GW 94 443	300 mA	25	230 - 400 V	3,5	1/2
GW 94 444	500 mA	25	230 - 400 V	3,5	1/2
GW 94 448	30 mA	63	230 - 400 V	3,5	1/2
GW 94 449	300 mA	63	230 - 400 V	3,5	1/2
GW 94 450	500 mA	63	230 - 400 V	3,5	1/2
<b>No. POLES: 4P</b>					
GW 94 422	30 mA	25	230 - 400 V	3,5	1/2
GW 94 423	300 mA	25	230 - 400 V	3,5	1/2
GW 94 424	500 mA	25	230 - 400 V	3,5	1/2
GW 94 432	30 mA	63	230 - 400 V	3,5	1/2
GW 94 433	300 mA	63	230 - 400 V	3,5	1/2
GW 94 434	500 mA	63	230 - 400 V	3,5	1/2

### BD - CLASS A INSTANTANEOUS



RESIDUAL CURRENT BLOCKS

Code	I <sub>dn</sub>	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 2P</b>					
GW 94 502	30 mA	25	230 - 400 V	2	1/2
GW 94 503	300 mA	25	230 - 400 V	2	1/2
GW 94 504	500 mA	25	230 - 400 V	2	1/2
GW 94 512	30 mA	63	230 - 400 V	2	1/2
GW 94 513	300 mA	63	230 - 400 V	2	1/2
GW 94 514	500 mA	63	230 - 400 V	2	1/2
<b>No. POLES: 3P</b>					
GW 94 542	30 mA	25	230 - 400 V	3,5	1/2
GW 94 543	300 mA	25	230 - 400 V	3,5	1/2
GW 94 544	500 mA	25	230 - 400 V	3,5	1/2
GW 94 547	30 mA	63	230 - 400 V	3,5	1/2
GW 94 548	300 mA	63	230 - 400 V	3,5	1/2
GW 94 549	500 mA	63	230 - 400 V	3,5	1/2

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RESIDUAL CURRENT BLOCKS

Code	Idn	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 4P</b>					
GW 94 522	30 mA	25	230 - 400 V	3,5	1/2
GW 94 523	300 mA	25	230 - 400 V	3,5	1/2
GW 94 524	500 mA	25	230 - 400 V	3,5	1/2
GW 94 532	30 mA	63	230 - 400 V	3,5	1/2
GW 94 533	300 mA	63	230 - 400 V	3,5	1/2
GW 94 534	500 mA	63	230 - 400 V	3,5	1/2

## BD - CLASS A[S] SELECTIVE



RESIDUAL CURRENT BLOCKS

Code	Idn	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 2P</b>					
GW 94 563	300 mA	63	230 - 400 V	2	1/2
GW 94 565	1000 mA	63	230 - 400 V	2	1/2
<b>No. POLES: 3P</b>					
GW 94 598	300 mA	63	230 - 400 V	3,5	1/2
GW 94 600	1000 mA	63	230 - 400 V	3,5	1/2
<b>No. POLES: 4P</b>					
GW 94 583	300 mA	63	230 - 400 V	3,5	1/2
GW 94 585	1000 mA	63	230 - 400 V	3,5	1/2

## BDHP - MODULAR RESIDUAL CURRENT BLOCKS FOR CIRCUIT BREAKERS MTHP 100 - MTHP 250

### BDHP - CLASS AC INSTANTANEOUS



RESIDUAL CURRENT BLOCKS

Code	Idn	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 2P</b>					
GW 95 401	30 mA	63	230 - 400 V	4	1/2
GW 95 402	100 mA	63	230 - 400 V	4	1/2
GW 95 403	300 mA	63	230 - 400 V	4	1/2
GW 95 406	30 mA	125	230 - 400 V	4	1/2
GW 95 407	100 mA	125	230 - 400 V	4	1/2
GW 95 408	300 mA	125	230 - 400 V	4	1/2
<b>No. POLES: 3P</b>					
GW 95 411	30 mA	63	230 - 400 V	6	1/2
GW 95 412	100 mA	63	230 - 400 V	6	1/2
GW 95 413	300 mA	63	230 - 400 V	6	1/2
GW 95 416	30 mA	125	230 - 400 V	6	1/2
GW 95 417	100 mA	125	230 - 400 V	6	1/2
GW 95 418	300 mA	125	230 - 400 V	6	1/2
<b>No. POLES: 4P</b>					
GW 95 421	30 mA	63	230 - 400 V	6	1/2
GW 95 422	100 mA	63	230 - 400 V	6	1/2
GW 95 423	300 mA	63	230 - 400 V	6	1/2
GW 95 426	30 mA	125	230 - 400 V	6	1/2
GW 95 427	100 mA	125	230 - 400 V	6	1/2
GW 95 428	300 mA	125	230 - 400 V	6	1/2

## BDHP - CLASS AC INSTANTANEOUS



### RESIDUAL CURRENT BLOCKS

Code	I <sub>dn</sub>	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 2P</b>					
GW 95 431	30 mA	63	230 - 400 V	4	1/2
GW 95 432	100 mA	63	230 - 400 V	4	1/2
GW 95 433	300 mA	63	230 - 400 V	4	1/2
GW 95 436	30 mA	125	230 - 400 V	4	1/2
GW 95 437	100 mA	125	230 - 400 V	4	1/2
GW 95 438	300 mA	125	230 - 400 V	4	1/2
<b>No. POLES: 3P</b>					
GW 95 441	30 mA	63	230 - 400 V	6	1/2
GW 95 442	100 mA	63	230 - 400 V	6	1/2
GW 95 443	300 mA	63	230 - 400 V	6	1/2
GW 95 446	30 mA	125	230 - 400 V	6	1/2
GW 95 447	100 mA	125	230 - 400 V	6	1/2
GW 95 448	300 mA	125	230 - 400 V	6	1/2
<b>No. POLES: 4P</b>					
GW 95 451	30 mA	63	230 - 400 V	6	1/2
GW 95 452	100 mA	63	230 - 400 V	6	1/2
GW 95 453	300 mA	63	230 - 400 V	6	1/2
GW 95 456	30 mA	125	230 - 400 V	6	1/2
GW 95 457	100 mA	125	230 - 400 V	6	1/2
GW 95 458	300 mA	125	230 - 400 V	6	1/2

## BDHP - CLASS A[S] SELECTIVE



### RESIDUAL CURRENT BLOCKS

Code	I <sub>dn</sub>	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 2P</b>					
GW 95 463	300 mA	63	230 - 400 V	4	1/2
GW 95 465	1000 mA	63	230 - 400 V	4	1/2
GW 95 468	300 mA	125	230 - 400 V	4	1/2
GW 95 470	1000 mA	125	230 - 400 V	4	1/2
<b>No. POLES: 3P</b>					
GW 95 473	300 mA	63	230 - 400 V	6	1/2
GW 95 475	1000 mA	63	230 - 400 V	6	1/2
GW 95 478	300 mA	125	230 - 400 V	6	1/2
GW 95 480	1000 mA	125	230 - 400 V	6	1/2
<b>No. POLES: 4P</b>					
GW 95 483	300 mA	63	230 - 400 V	6	1/2
GW 95 485	1000 mA	63	230 - 400 V	6	1/2
GW 95 488	300 mA	125	230 - 400 V	6	1/2
GW 95 490	1000 mA	125	230 - 400 V	6	1/2

## BDHP - CLASS AC ADJUSTABLE



### RESIDUAL CURRENT BLOCKS

Code	I <sub>dn</sub>	Time	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 4P</b>						
GW 95 511	300 - 3000 mA	0 - 150 ms	63	230 - 400 V	6	1/2
GW 95 512	300 - 3000 mA	0 - 150 ms	125	230 - 400 V	6	1/2

**CHARACTERISTICS:** I<sub>dn</sub>: adjustable 300-500-1000-3000 mA; adjustable tripping time 0-60-150 ms.



## SD - RESIDUAL CURRENT OPERATED CIRCUIT BREAKERS

### SD - CLASS AC INSTANTANEOUS (AC ONLY)



#### RESIDUAL CURRENT OPERATED CIRCUIT BREAKERS

Code	I <sub>dn</sub>	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 2P</b>					
GW 94 601	10 mA	16	230 V	2	1/4
GW 94 611	10 mA	25	230 V	2	1/4
GW 94 612	30 mA	25	230 V	2	1/4
GW 94 613	300 mA	25	230 V	2	1/4
GW 94 622	30 mA	40	230 V	2	1/4
GW 94 623	300 mA	40	230 V	2	1/4
GW 94 624	500 mA	40	230 V	2	1/4
GW 94 790	30 mA	63		2	1/4
GW 94 793	30 mA	80		2	1/4
GW 94 632	30 mA	63	230 V	3	1/4
GW 94 633	300 mA	63	230 V	3	1/4
GW 94 642	30 mA	80	230 V	3	1/4
GW 94 643	300 mA	80	230 V	3	1/4
GW 94 652	30 mA	100	230 V	3	1/4
GW 94 653	300 mA	100	230 V	3	1/4
<b>No. POLES: 4P</b>					
GW 94 672	30 mA	25	230 - 400 V	3	1/4
GW 94 673	300 mA	25	230 - 400 V	3	1/4
GW 94 682	30 mA	40	230 - 400 V	3	1/4
GW 94 683	300 mA	40	230 - 400 V	3	1/4
GW 94 684	500 mA	40	230 - 400 V	3	1/4
GW 94 692	30 mA	25	230 - 400 V	4	1/2
GW 94 693	300 mA	25	230 - 400 V	4	1/2
GW 94 694	500 mA	25	230 - 400 V	4	1/2
GW 94 702	30 mA	40	230 - 400 V	4	1/2
GW 94 703	300 mA	40	230 - 400 V	4	1/2
GW 94 704	500 mA	40	230 - 400 V	4	1/2
GW 94 712	30 mA	63	230 - 400 V	4	1/2
GW 94 713	300 mA	63	230 - 400 V	4	1/2
GW 94 714	500 mA	63	230 - 400 V	4	1/2
GW 94 722	30 mA	80	230 - 400 V	4	1/2
GW 94 723	300 mA	80	230 - 400 V	4	1/2
GW 94 724	500 mA	80	230 - 400 V	4	1/2
GW 94 732	30 mA	100	230 - 400 V	4	1/2
GW 94 733	300 mA	100	230 - 400 V	4	1/2
GW 94 734	500 mA	100	230 - 400 V	4	1/2

### SD - CLASS A INSTANTANEOUS (AC AND PULSATING DC)



#### RESIDUAL CURRENT OPERATED CIRCUIT BREAKERS

Code	I <sub>dn</sub>	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 2P</b>					
GW 94 801	10 mA	16	230 V	2	1/4
GW 94 811	10 mA	25	230 V	2	1/4
GW 94 812	30 mA	25	230 V	2	1/4
GW 94 813	300 mA	25	230 V	2	1/4
GW 94 822	30 mA	40	230 V	2	1/4
GW 94 823	300 mA	40	230 V	2	1/4
GW 94 832	30 mA	63	230 V	3	1/4
GW 94 833	300 mA	63	230 V	3	1/4
GW 94 842	30 mA	80	230 V	3	1/4
GW 94 843	300 mA	80	230 V	3	1/4
GW 94 852	30 mA	100	230 V	3	1/4
GW 94 853	300 mA	100	230 V	3	1/4

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RESIDUAL CURRENT OPERATED CIRCUIT BREAKERS

Code	I <sub>dn</sub>	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 4 P</b>					
GW 94 861	10 mA	16	230 - 400 V	3	1/4
GW 94 872	30 mA	25	230 - 400 V	3	1/4
GW 94 873	300 mA	25	230 - 400 V	3	1/4
GW 94 882	30 mA	40	230 - 400 V	3	1/4
GW 94 883	300 mA	40	230 - 400 V	3	1/4
GW 94 892	30 mA	40	230 - 400 V	4	1/2
GW 94 893	300 mA	40	230 - 400 V	4	1/2
GW 94 902	30 mA	63	230 - 400 V	4	1/2
GW 94 903	300 mA	63	230 - 400 V	4	1/2
GW 94 912	30 mA	80	230 - 400 V	4	1/2
GW 94 913	300 mA	80	230 - 400 V	4	1/2
GW 94 916	30 mA	100	230 - 400 V	4	1/2
GW 94 917	300 mA	100	230 - 400 V	4	1/2

## SD - CLASS A[S] SELECTIVE



RESIDUAL CURRENT OPERATED CIRCUIT BREAKERS

Code	I <sub>dn</sub>	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
<b>No. POLES: 2P</b>					
GW 94 923	300 mA	40	230 V	3	1/4
GW 94 933	300 mA	63	230 V	3	1/4
GW 94 943	300 mA	80	230 V	3	1/4
GW 94 953	300 mA	100	230 V	3	1/4
<b>No. POLES: 4 P</b>					
GW 94 963	300 mA	40	230 - 400 V	4	1/2
GW 94 973	300 mA	63	230 - 400 V	4	1/2
GW 94 983	300 mA	80	230 - 400 V	4	1/2
GW 94 993	300 mA	100	230 - 400 V	4	1/2

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## ELECTRICAL AUXILIARIES

### AUXILIARY CONTACTS AND RELEASES



#### AUXILIARY SWITCH (0.5 MODULES)

Code	Contact rating in AC	Contact rating in DC	Pack Carton
GW 96 001	6A - 230V 3A - 400V	1A - 250V 6A - 24V 1,5A - 110V 2A - 60V	1/16

**APPLICATIONS:** signals the position of switch contacts, when switched or tripped.



#### FAULT INDICATOR SWITCH (0.5 MODULES)

Code	Contact rating in AC	Contact rating in DC	Pack Carton
GW 96 006	6A - 230V 3A - 400V	6A - 24V 1,5A - 110V 1A - 250V 2A - 60V	1/16

**APPLICATIONS:** indicates the automatic opening of the circuit breaker caused by overloading, shortcircuiting or faulting to earth. Change in contact position is not indicated in the case of manual manoeuvring.



#### AUXILIARY CONTACT ADJUSTABLE AUXILIARY OR FAULT INDICATOR SWITCH (0.5 MODULES)

Code	Contact rating in AC	Contact rating in DC	Pack Carton
GW 96 009	3A - 400V 6A - 230V	6A - 24V 1A - 250V 2A - 60V 1,5A - 110V	1/16

**APPLICATIONS:** the special button offers 2 separate functions: - indication of automatic opening of the circuit breaker (released relay auxiliary contact) and indication of circuit breaker contact position (auxiliary contact of position).



#### SHUNT TRIP RELEASES (1 MODULE)

Code	Nominal voltage (V)	Resistance	Pack Carton
GW 96 011	12-48 AC/DC	300 Ohm	1/8
GW 96 012	110-125 DC 110-415 AC	2700 Ohm	1/8

**APPLICATIONS:** used for the remote opening of the circuit breaker to which they are mounted.

**CHARACTERISTICS:** minimum operating voltage: 0.7 Vn min. Maximum operating voltage: 1.1 Vn max.



#### UNDER VOLTAGE RELEASES (TIME LAGGED) (1 MODULE)

Code	Nominal voltage (V)	Release voltage	Power consumption	Pack Carton
GW 96 016	230 AC	Un-55%	10 mA	1/8
GW 96 017	24 AC/DC	Un-55%	10 mA	1/8
GW 96 018	48 AC/DC	Un-55%	10 mA	1/8

**APPLICATIONS:** constant control of effective voltage and open switch to which it is assembled when the voltage drops below its minimum value. The tripping delay of 300 ms allows the elimination of voltage micro-interruptions, avoiding inappropriate tripping of the circuit breaker protection.

## INSTALLATION ACCESSORIES

### COMPLEMENTARY ITEMS



#### SEALABLE SCREW CAPS

Code	Series	No. of pieces per module	Pack Carton
GW 96 022	MT / MTC / MDC	2	10/100
GW 96 026	MTHP / BDHP	2	10/100

**APPLICATIONS:** allows for sealing of terminal screws, preventing access to cable connections.



#### INTERLOCK FACILITY

Code	Series	No. of pieces per device	Pack Carton
GW 96 041	MT / MTC / MDC / MTHP Isolator from 63 A to 125 A	1	10/100

**APPLICATIONS:** to lock the control lever in "ON" and "OFF" positions. For locks of max Ø 8 mm.



#### POLE SEPARATOR

Code	Series	Pack Carton
GW 96 042	MT / MTC / MDC	10/100

### WIRING ACCESSORIES



#### BUS BARS (ONLY FOR MT MINIATURE CIRCUIT BREAKERS)

Code	Type	No. connections	Pack Carton
GW 96 051	1P	12	1/10
GW 96 052	2P	12	1/10
GW 96 053	3P	12	1/10
GW 96 054	4P	12	1/10

**APPLICATIONS:** reduction in device mounting and wiring times.



#### INSULATED CONNECTION TERMINALS

Code	Conductors section (mm <sup>2</sup> )	Pack Carton
GW 96 046	6 - 25	10/100



#### END CAPS

Code	No. poles	Pack Carton
GW 96 066	2	10/100
GW 96 067	3	10/100
GW 96 068	4	10/100



#### PROTECTION CAPS

Code	No. protection caps per row	Pack Carton
GW 96 061	5	10/100

**APPLICATIONS:** to cover plain, exposed pins in bus bars combinations.



## PROTECTION

### DISCONNECTABLE FUSEHOLDERS AND ACCESSORIES



#### DISCONNECTABLE FUSE-HOLDERS

Code	Rated current (A)	Fuse dimension (mm)	No. EN 50022 modules	Nominal voltage	Pack Carton
<b>No. POLES: 1P</b>					
GW 96 206	20	8,5x31,5	1	400 V	6/12
GW 96 205	32	10,3 x 38	1	690 V	6/12
GW 96 207	50	14 x 51	1	690 V	2/12
<b>No. POLES: 1P+N</b>					
GW 96 216	20	8,5 x 31,5	2	400 V	3/12
GW 96 215	32	10,3 x 38	2	690 V	3/12
GW 96 217	50	14 x 51	2	690 V	1/6
<b>No. POLES: 2P</b>					
GW 96 301	20	8,5 x 31,5	2	400 V	3/12
GW 96 302	32	10,3 x 38	2	690 V	3/12
GW 96 303	50	14 x 51	2	690 V	1/6
<b>No. POLES: 3P</b>					
GW 96 306	20	8,5 x 31,5	3	400 V	2/8
GW 96 307	32	10,3 x 38	3	690 V	2/8
GW 96 308	50	14 x 51	3	690 V	1/4
<b>No. POLES: 3P+N</b>					
GW 96 311	20	8,5 x 31,5	4	400 V	1/2
GW 96 312	32	10,3 x 38	4	690 V	1/2
GW 96 313	50	14 x 51	4	690 V	1/2

**APPLICATIONS:** protection against low voltage overcurrents in the advanced commercial and industrial sectors with high shortcircuiting currents.



#### CYLINDRICAL FUSES - TYPE GG

Code	Rated current (A)	Nominal voltage	Breaking capacity	Pack Carton
<b>DIMENSION (MM): Ø 8.5 x 31.5</b>				
GW 72 111	2	400 V	50 kA	10/100
GW 72 112	4	400 V	50 kA	10/100
GW 72 113	6	400 V	50 kA	10/100
GW 72 114	10	400 V	50 kA	10/100
GW 72 115	16	400 V	50 kA	10/100
GW 72 116	20	400 V	50 kA	10/100
GW 72 117	25	400 V	50 kA	10/100

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CYLINDRICAL FUSES - TYPE GG

Code	Rated current (A)	Nominal voltage	Breaking capacity	Pack Carton
<b>DIMENSION (MM): Ø 10.3 x 38</b>				
GW 72 104	2	500 V	100 kA	10/100
GW 72 105	6	500 V	100 kA	10/100
GW 72 107	10	500 V	100 kA	10/100
GW 72 101	16	500 V	100 kA	10/100
GW 72 108	20	500 V	100 kA	10/100
GW 72 109	25	500 V	100 kA	10/100
GW 72 110	32	400 V	100 kA	10/100
<b>DIMENSION (MM): Ø 14 x 51</b>				
GW 72 121	25	690 V	100 kA	10/100
GW 72 122	32	690 V	100 kA	10/100
GW 72 123	40	690 V	100 kA	10/100
GW 72 124	50	690 V	100 kA	10/100

## MOTOR PROTECTION SWITCHES AND ACCESSORIES



**MOTOR PROTECTION SWITCHES**

Code	No. EN 50022 modules	Rated current (A)	Operating current	Pack Carton
<b>No. POLES: 3P</b>				
GW 96 751	3	0,16	0,1 - 0,16 A	1/4
GW 96 752	3	0,25	0,16 - 0,25 A	1/4
GW 96 753	3	0,4	0,25 - 0,4 A	1/4
GW 96 754	3	0,63	0,4 - 0,63 A	1/4
GW 96 755	3	1	0,63 - 1 A	1/4
GW 96 756	3	1,6	1 - 1,6 A	1/4
GW 96 757	3	2,5	1,6 - 2,5 A	1/4
GW 96 758	3	4	2,5 - 4 A	1/4
GW 96 759	3	6,3	4 - 6,3 A	1/4
GW 96 760	3	10	6,3 - 10 A	1/4
GW 96 761	3	16	10 - 16 A	1/4
GW 96 762	3	25	16 - 25 A	1/4
GW 96 763	3	40	25 - 40 A	1/4



**AUXILIARY CONTACTS**

Code	Contacts Description	No. output	Contact type	No. EN 50022 modules	Pack Carton
GW 96 764	Position	2	NO + NC	0,5	1/12
GW 96 765	Fault/position indicator	2	CHANGE-OVER	0,5	1/12



**SHUNT TRIP RELEASE**

Code	Nominal voltage (V)	No. EN 50022 modules	Pack Carton
GW 96 767	110-415 AC	1	1/6



**UNDER VOLTAGE RELEASES**

Code	Nominal voltage (V)	No. EN 50022 modules	Pack Carton
GW 96 769	230 AC	1	1/6
GW 96 770	400 AC	1	1/6

NEW



### SURFACE-MOUNTING BOX IP54

Code	Description	Pack Carton
GW 96 771	Box with rotary manoeuvre	1

## VOLTAGE SURGE LIMITERS



### PLUGGABLE CARTRIDGE SURGE ARRESTERS WITH MAXIMUM DISCHARGE CAPACITY OF 15 KA

Code	No. poles	Max. current wave (8/20)	Test class	Nominal voltage	No. EN 50022 modules	Pack Carton
GW 96 468	1P	15 kA	II	400 V	1	2/8
GW 96 466	1P+N	15 kA	II	230 V	2	1/4
GW 96 467	3P+N	15 kA	II	400 V	4	1/2

**APPLICATIONS:** neutral cartridge type "SPARK GAP".

**CHARACTERISTICS:** the dischargers are equipped with an optical indication system indicating when the cartridge is to be changed.



### PLUGGABLE CARTRIDGE SURGE ARRESTERS WITH MAXIMUM DISCHARGE CAPACITY OF 40 KA

Code	No. poles	Max. current wave (8/20)	Test class	Nominal voltage	No. EN 50022 modules	Pack Carton
GW 96 473	1P	40 kA	II	400 V	1	2/8
GW 96 471	1P+N	40 kA	II	230 V	2	1/4
GW 96 472	3P+N	40 kA	II	400 V	4	1/2

**APPLICATIONS:** neutral cartridge type "SPARK GAP".

**CHARACTERISTICS:** the dischargers are equipped with an optical indication system indicating when the cartridge is to be changed.



### ACCESSORIES FOR PLUGGABLE CARTRIDGE SURGE ARRESTERS

Code	Description	Characteristics	Suitable for	Pack Carton
GW 96 481	Live cartridge	I <sub>max</sub> 15 kA		1/8
GW 96 486	Live cartridge	I <sub>max</sub> 15 kA	GW96468	1/8
GW 96 482	Live cartridge	I <sub>max</sub> 40 kA		1/8
GW 96 487	Live cartridge	I <sub>max</sub> 40 kA	GW96473	1/8
GW 96 483	Neutral cartridge	I <sub>max</sub> 15-40 kA		1/8
GW 96 484	Single-pole base with neutral	With indicator contact		1/4
GW 96 485	Three-pole base with neutral	With indicator contact		1/2

**CHARACTERISTICS:** the phase and neutral cartridges act as spares for the dischargers or make up a new discharger when coupled with a one- or three-pole base. A slit on the discharger base guides the insertion direction of the cartridge, preventing the phase cartridge from being inserted in place of the neutral cartridge, and vice-versa.



### SURGE ARRESTER WITH MAXIMUM DISCHARGE CAPACITY OF 10 KA FOR DATA TRANSMISSION AND TELEPHONE LINES

Code	Max. current wave (8/20)	Nominal voltage	No. EN 50022 modules	Pack Carton
GW 96 461	10 kA	200 V	1	1/8

## EARTH LEAKAGE RELAY CONTROL SYSTEM



### DIN RAIL EARTH LEAKAGE RELAY CONTROL SYSTEM

Code	Description	Diameter (mm)	Maximum rated current	Pack Carton
GW 96 331	Residual current relay			1
GW 96 332	Solid-core current transformer	35	125 A	1/10
GW 96 333	Solid-core current transformer	80	400 A	1
GW 96 334	Solid-core current transformer	110	630 A	1
GW 96 335	Solid-core current transformer	210	1600 A	1/5
GW 96 336	Split-core current transformer	110	630 A	1/10
GW 96 337	Split-core current transformer	210	1600 A	1/5

**CHARACTERISTICS:** GW96331: trip (I<sub>dn</sub>) and delay thresholds (dt) are adjustable:

I<sub>dn</sub> (A): 0,03 - 0,05 - 0,1 - 0,25 - 0,3 - 0,35 - 0,5 - 1 - 1,5 - 2 - 3.

dt (s): 0 - 0,25 - 0,5 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 10.

## COMMAND

### SWITCH DISCONNECTOR



#### SWITCH DISCONNECTORS

Code	Rated current (A)	No. EN 50022 modules	Nominal voltage	Pack Carton
<b>No. POLES: 1P</b>				
GW 96 102	16	1	400 V	6/12
GW 96 103	20	1	400 V	6/12
GW 96 104	32	1	400 V	6/12
GW 96 105	40	1	400 V	6/12
GW 96 146	63	1	400 V	6/24
GW 96 147	80	1	400 V	6/24
GW 96 148	100	1	400 V	6/24
GW 96 149	125	1	400 V	6/24
<b>No. POLES: 2P</b>				
GW 96 112	16	2	400 V	3/12
GW 96 113	20	2	400 V	3/12
GW 96 114	32	2	400 V	3/12
GW 96 115	40	2	400 V	3/12
GW 96 156	63	2	400 V	3/12
GW 96 157	80	2	400 V	3/12
GW 96 158	100	2	400 V	3/12
GW 96 159	125	2	400 V	3/12
<b>No. POLES: 3P</b>				
GW 96 122	16	3	400 V	2/8
GW 96 123	20	3	400 V	2/8
GW 96 124	32	3	400 V	2/8
GW 96 125	40	3	400 V	2/8
GW 96 166	63	3	400 V	2/8
GW 96 167	80	3	400 V	2/8
GW 96 168	100	3	400 V	2/8
GW 96 169	125	3	400 V	2/8
<b>No. POLES: 4P</b>				
GW 96 132	16	4	400 V	1/2
GW 96 133	20	4	400 V	1/2
GW 96 134	32	4	400 V	1/2
GW 96 135	40	4	400 V	1/2
GW 96 176	63	4	400 V	1/2
GW 96 177	80	4	400 V	1/2
GW 96 178	100	4	400 V	1/2
GW 96 179	125	4	400 V	1/2

**APPLICATIONS:** opening and closing of circuits already protected from overloading and shortcircuiting. Suitable for the switching of motors or other highly inductive loads.



#### SWITCH DISCONNECTORS WITH RED LEVER

Code	Rated current (A)	No. EN 50022 modules	Pack Carton
<b>No. POLES: 2P</b>			
GW 96 196	63	2	1/4
GW 96 198	100	2	1/4

### ON-OFF SWITCHES



#### ON-OFF SWITCHES

Code	Rated current (A)	Characteristics	No. EN 50022 modules	Nominal voltage	Pack Carton
<b>No. POLES: 1P</b>					
GW 96 241	16		1	230 V	6/12
GW 96 242	25		1	230 V	6/12
GW 96 243	32		1	230 V	6/12
GW 96 346	16	With indicator lamp	1	230 V	6/12

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ON-OFF SWITCHES

Code	Rated current (A)	Characteristics	No. EN 50022 modules	Nominal voltage	Pack Carton
<b>No. POLES: 2P</b>					
GW 96 246	16		1	230 - 400 V	3/12
GW 96 247	25		1	230 - 400 V	3/12
GW 96 248	32		1	230 - 400 V	3/12
GW 96 249	40		2,5	230 - 400 V	2/4
GW 96 250	63		2,5	230 - 400 V	2/4
GW 96 347	16	With indicator lamp	1	230 V	6/12
<b>No. POLES: 3P</b>					
GW 96 251	16		1	230 - 400 V	2/8
GW 96 252	25		1	230 - 400 V	2/8
GW 96 253	32		1	230 - 400 V	2/8
GW 96 254	40		2,5	230 - 400 V	2/4
GW 96 255	63		2,5	230 - 400 V	2/4
<b>No. POLES: 4P</b>					
GW 96 256	16		1	230 - 400 V	2/8
GW 96 257	25		1	230 - 400 V	2/8
GW 96 258	32		1	230 - 400 V	2/8

## LEVER SWITCHES



LEVER SWITCHES

Code	Rated current (A)	Description	Characteristics	No. EN 50022 modules	Nominal voltage	Pack Carton
<b>No. POLES: 1P</b>						
GW 96 341	16	Three-way switch I-0-II		1	230 V	6/12
GW 96 343	16	Change-over switch 1-2		1	230 V	6/12
GW 96 344	16	Change-over switch 1-2	With indicator lamp	1	230 V	6/12
<b>No. POLES: 2P</b>						
GW 96 342	16	Three-way switch I-0-II		2	230 V	1/6
GW 96 345	16	Change-over switch 1-2		2	230 V	1/6

## ROTARY CIRCUIT BREAKERS



ROTARY CONTROL SWITCHES FOR DIN RAIL WITH BLACK HANDLE

Code	No. poles	No. EN 50022 modules	Pack Carton
<b>RATED CURRENT (A): 16</b>			
GW 70 201	2	3	1/30
GW 70 202	3	3	1/30
GW 70 203	4	3	1/30
<b>RATED CURRENT (A): 32</b>			
GW 70 204	2	4	1/24
GW 70 205	3	4	1/24
GW 70 206	4	4	1/24
<b>RATED CURRENT (A): 63</b>			
GW 70 207	3	5	1/12
GW 70 208	4	5	1/12

## SWITCHES



VOLTMETER SELECTOR SWITCHES

Code	Description	Characteristics	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
GW 96 851	4 positions	Phase - Neutral	16	690 V	3	1/4
GW 96 852	4 positions	Phase - Phase	16	690 V	3	1/4
GW 96 853	7 positions		16	690 V	3	1/4



### AMMETER SELECTOR SWITCH

Code	Description	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
GW 96 856	4 positions	16	690 V	3	1/4



### LINE SELECTOR SWITCHES

Code	Description	Characteristics	Rated current (A)	Nominal voltage	No. EN 50022 modules	Pack Carton
GW 96 951	2 positions		16	690 V	3	1/4
GW 96 952	3 positions	0 central	16	690 V	3	1/4
GW 96 953	3 positions	With 0 return position	16	690 V	3	1/4

**APPLICATIONS:** DIN rail three-way switches usable for motor, pump and fan control.

## CONTACTORS



### CONTACTORS

Code	No. output	Contact type	Rated current (A)	Nominal voltage (V)	Control voltage (V)	No. EN 50022 modules	Pack Carton
GW 96 701	1	NO	20	400 AC	230 AC	1	6/12
GW 96 702	2	NO	20	400 AC	24 AC	1	6/12
GW 96 703	2	NO + NC	20	400 AC	230 AC	1	6/12
GW 96 704	2	NO	20	400 AC	230 AC	1	6/12
GW 96 705	2	NC	20	400 AC	230 AC	1	6/12
GW 96 706	3	NO	20	400 AC	230 AC	2	3/12
GW 96 711	4	NO	24	400 AC	24 AC-DC	2	3/12
GW 96 712	4	NO	24	400 AC	230 AC-DC	2	3/12
GW 96 713	4	NC	24	400 AC	230 AC-DC	2	3/12
GW 96 721	2	NO	40	400 AC	230 AC-DC	3	2/8
GW 96 722	3	NO	40	400 AC	230 AC-DC	3	2/8
GW 96 723	4	NO	40	400 AC	230 AC-DC	3	2/8
GW 96 731	2	NO	63	400 AC	230 AC-DC	3	2/8
GW 96 732	3	NO	63	400 AC	230 AC-DC	3	2/8
GW 96 733	4	NO	63	400 AC	230 AC-DC	3	2/8



### AUXILIARY CONTACTS FOR CONTACTORS

Code	No. output	Contact type	Primary current	No. EN 50022 modules	Pack Carton
GW 96 741	2	NO	6 A	0,5	8/16
GW 96 742	2	NO + NC	6 A	0,5	8/16

**APPLICATIONS:** remote indication of meter state; for meters with In=24-63A.

## MOMENTARY RELAYS



### MOMENTARY RELAYS - 16A

Code	No. output	Contact type	Nominal voltage (V)	Control voltage (V)	No. EN 50022 modules	Pack Carton
GW 96 601	1	NO	230 AC	12 AC	1	6/12
GW 96 602	1	NO	230 AC	24 AC	1	6/12
GW 96 603	1	NO	230 AC	230 AC	1	6/12
GW 96 606	2	NO + NC	230 AC	12 AC	1	6/12
GW 96 607	2	NO + NC	230 AC	24 AC	1	6/12
GW 96 608	2	NO + NC	230 AC	230 AC	1	6/12
GW 96 611	2	CHANGE-OVER	230 AC	12 AC	1	3/12
GW 96 612	2	CHANGE-OVER	230 AC	24 AC	1	3/12
GW 96 613	2	CHANGE-OVER	230 AC	230 AC	1	3/12
GW 96 616	4	NO	400 AC	12 AC	2	3/12
GW 96 617	4	NO	400 AC	24 AC	2	3/12
GW 96 618	4	NO	400 AC	230 AC	2	3/12

**CHARACTERISTICS:** relay with single stable state; switchover of the contacts upon coil energizing, maintaining the new state up to its de-energizing.

**APPLICATIONS:** control of low voltage circuits with a high number of switchovers (lighting, heating, ventilation systems).

## IMPULSE SWITCHES



### IMPULSE SWITCHES 16A

Code	No. output	Contact type	Nominal voltage (V)	Control voltage (V)	No. EN 50022 modules	Pack Carton
GW 96 621	1	NO	230 AC	12 AC	1	6/12
GW 96 622	1	NO	230 AC	24 AC	1	6/12
GW 96 623	1	NO	230 AC	230 AC	1	6/12
GW 96 626	1	CHANGE-OVER	230 AC	12 AC	1	6/12
GW 96 627	1	CHANGE-OVER	230 AC	24 AC	1	6/12
GW 96 628	1	CHANGE-OVER	230 AC	230 AC	1	6/12
GW 96 631	2	NO + NC	230 AC	12 AC	1	6/12
GW 96 632	2	NO + NC	230 AC	24 AC	1	6/12
GW 96 633	2	NO + NC	230 AC	230 AC	1	6/12
GW 96 636	2	NO	230 AC	12 AC	1	6/12
GW 96 637	2	NO	230 AC	24 AC	1	6/12
GW 96 638	2	NO	230 AC	230 AC	1	6/12
GW 96 641	4	NO	230 AC	12 AC	2	3/6
GW 96 642	4	NO	230 AC	24 AC	2	3/6
GW 96 643	4	NO	230 AC	230 AC	2	3/6

**CHARACTERISTICS:** relay with two stable states; switches over the state of the contacts with each pulse sent to the coil, maintaining the configuration until reception of the next signal.

**APPLICATIONS:** control of lighting circuits in domestic and commercial environments.



### IMPULSE SWITCHES WITH CENTRAL CONTROL - 16A

Code	No. output	Contact type	Nominal voltage (V)	Control voltage (V)	No. EN 50022 modules	Pack Carton
GW 96 652	1	NO	230 AC	24 AC	1	6/12
GW 96 653	1	NO	230 AC	230 AC	1	6/12
GW 96 657	1	CHANGE-OVER	230 AC	24 AC	1	6/12
GW 96 658	1	CHANGE-OVER	230 AC	230 AC	1	6/12
GW 96 659	1	CHANGE-OVER	230 AC	24 DC	1	6/12
GW 96 662	2	NO	230 AC	24 AC	2	3/6
GW 96 663	2	NO	230 AC	230 AC	2	3/6
GW 96 664	2	NO	230 AC	24 DC	2	3/6
GW 96 667	3	NO	230 AC	24 AC	2	3/6
GW 96 668	3	NO	230 AC	230 AC	2	3/6
GW 96 669	3	NO	230 AC	24 DC	2	3/6

**APPLICATIONS:** output available for control centralisation in one point only, allowing the switching-off or the switching-on of all relays independently of their position.

## BIOCOMFORT MAIN DISCONNECTION SWITCH

NEW



### MAIN DISCONNECTION SWITCH WITH TEACH-IN FUNCTION

Code	Description	Nominal voltage (V)	Survey voltage	No. EN 50022 modules	Pack Carton
GW 96 339	Switch disconnecter	230 AC	5 - 230 V DC	1	1/2
GW 96 340	Base load				1/5

**APPLICATIONS:** load resistance necessary for fluorescent lamps or loads with draw less than 30 mA.



## PROGRAMMING

### TIMERS



#### MULTIFUNCTION TIMER

Code	Delay	Contact rating - In	No. EN 50022 modules	Pack Carton
GW 96 811	0.05 s - 240 h	8 A	1	1/8

**APPLICATIONS:** permits the power supply and cut-off of a load for a set time, can be adjusted from 0.05 s to 240 h. The cycle can be repeated several times until the timer cuts off (intermittent operation).



#### STAIRCASE LIGHT TIMING SWITCH

Code	Delay	Contact rating - In	No. EN 50022 modules	Pack Carton
GW 96 810	30 s - 20 min	16 A	1	1/8

**APPLICATIONS:** timed management of lights in passageway environments (stairs, corridors, entrances, etc.).



#### STAIRCASE LIGHT TIMING SWITCH WITH SWITCH-OFF WARNING

Code	Delay	Contact rating - In	No. EN 50022 modules	Pack Carton
GW 96 812	30 s - 99.5 min	16 A	1	1/8

**APPLICATIONS:** timed management of the lights in passageways (stairs, corridors, entrances, etc.).

### ANALOGUE TIMER SWITCHES



#### ANALOGUE TIMER SWITCHES

Code	Type	No. channels	Nominal voltage (V)	Standby charge	No. EN 50022 modules	Pack Carton
GW 96 831	Daily	1	230 AC - 130 DC	150 h	3	1/4
GW 96 832	Weekly	1	230 AC - 110 DC	150 h	3	1/4
GW 96 836	Daily	1	230 AC - 110 DC	50 h	1	1/8

**APPLICATIONS:** service control and management according to pre-established daily or weekly programming; particularly suitable for environments requiring timing of functions and optimisation of comfort (ventilation, lighting, heating).

### PROGRAMMERS



#### DAILY/WEEKLY DIGITAL PROGRAMMERS

Code	N° memory	No. channels	Nominal voltage	Standby charge	No. EN 50022 modules	Pack Carton
GW 96 841	30	2	220 - 240 V	3 years	2	1/4
GW 96 842	20	1	220 - 240 V	3 years	2	1/4
GW 96 843	42	1	220 - 240 V	150 h	1	1/4

**APPLICATIONS:** allow optimal management of services such as lighting and heating to improve comfort and cut down on consumption of electrical energy.

### PHOTO-ELECTRIC CELLS



#### PHOTOELECTRIC CELLS (WITH OUTDOOR PROBE)

Code	Nominal voltage (V)	No. output	Brightness control	N° memory	No. EN 50022 modules	Pack Carton
GW 96 891	230 AC	2	2...500 lux	20	3	1/2
GW 96 892	230 AC	1	2...500 lux		1	1/2

**CHARACTERISTICS:** GW96891 programmable connection and disconnection times.

**APPLICATIONS:** control the switching-on and switching-off of external lighting devices depending on outside lighting. The delay in switching over prevents inappropriate tripping.

## MEASUREMENT

### VOLTMETERS AND AMMETERS



#### ANALOGUE VOLTMETERS WITH DIRECT ACTIVATION- 40/60HZ

Code	Scale	Precision	No. EN 50022 modules	Pack Carton
GW 96 861	0 - 300 V	1,5 %	3	1/4
GW 96 862	0 - 500 V	1,5 %	3	1/4



#### DIGITAL VOLTMETERS WITH DIRECT ACTIVATION

Code	Scale	Supply voltage	Precision	No. EN 50022 modules	Pack Carton
GW 96 866	0 - 600 V	230 V AC	0,5 %	3	1/4



#### ANALOGUE AMMETERS- 40/60 HZ

Code	Capacity	Activation	Precision	No. EN 50022 modules	Pack Carton
GW 96 871	10 A	Direct	1,5 %	3	1/4
GW 96 872	20 A	Direct	1,5 %	3	1/4
GW 96 873	30 A	Direct	1,5 %	3	1/4
GW 96 878	5 A	Via C.T./5A	1,5 %	3	1/4



#### DIGITAL AMMETER (ACTIVATION VIA CURRENT TRANSFORMER)

Code	Capacity	Supply voltage	Precision	No. EN 50022 modules	Pack Carton
GW 96 877	15 - 1000 A	230 V AC	0,5 %	3	1/4



#### INTERCHANGEABLE SCALES FOR GW 96 878 ANALOGUE AMMETER

Code	Full scale (A)	Pack Carton
GW 96 971	40	1/10
GW 96 972	50	1/10
GW 96 973	60	1/10
GW 96 974	100	1/10
GW 96 975	150	1/10
GW 96 976	250	1/10
GW 96 977	400	1/10
GW 96 978	600	1/10
GW 96 979	1000	1/10
GW 96 980	1200	1/10
GW 96 981	1500	1/10

### METERS AND HOUR METERS



#### SINGLE-PHASE POWER METER

Code	No. digits	Precision	Rated current (A)	No. EN 50022 modules	Pack Carton
GW 96 886	5 unit + 2 decimals	1,5 %	26	3	1/4

**CHARACTERISTICS:** computes energy consumption in max 6kW single-phase systems.



#### DIRECT CONNECTION THREE-PHASE POWER METER

Code	No. digits	Precision	Rated current (A)	No. EN 50022 modules	Pack Carton
GW 96 887	6 unit + 1 decimal	1,5 %	30	6	1/2

**CHARACTERISTICS:** calculation of energy consumption in three-phase systems with neutral



### CT/5A CONNECTION THREE-PHASE POWER METER

Code	No. digits	Precision	Rated current (A)	No. EN 50022 modules	Pack Carton
GW 96 888	6 unit + 1 decimal	1,5 %	5	6	1/2

**CHARACTERISTICS:** computes energy consumption in tri-phase systems with neutral with current transformer connection.



### OPERATING HOUR METER

Code	No. digits	Precision	No. EN 50022 modules	Pack Carton
GW 96 881	5 unit + 2 decimals	1/100h (36s.)	2	1/4

**APPLICATIONS:** computing the operating hours of electrical devices (motors, machines, tools, adjustment devices etc.).

## MULTIFUNCTION METER



### MULTIFUNCTION METER

Code	No. digits	Precision	Consumption	No. EN 50022 modules	Pack Carton
GW 96 896	6 units (power measurement) 3 units (instant measurement)	1 %	5 VA	5	1/2

**APPLICATIONS:** reading of voltages, currents, power factor, active and reactive power, active and reactive energy.

**NOTE:** it is necessary to use 3 current transformers.

## CURRENT TRANSFORMERS



### CURRENT TRANSFORMERS WITH 5A SECONDARY

Code	Primary current	Primary circuit	Performance	Class	Pack Carton
GW 96 441	15 A	Wound	3 VA	1	1/32
GW 96 442	25 A	Wound	3 VA	1	1/32
GW 96 443	40 A	Bar 30x10max cable Ø23max	2 VA	3	1/32
GW 96 444	50 A	Bar 30x10max cable Ø23max	2 VA	3	1/32
GW 96 445	60 A	Bar 30x10max cable Ø23max	3 VA	3	1/32
GW 96 446	100 A	Bar 30x10max cable Ø23max	3 VA	1	1/32
GW 96 447	150 A	Bar 30x10max cable Ø23max	3 VA	0,5	1/32
GW 96 448	250 A	Bar 30x10max cable Ø23max	5 VA	0,5	1/32
GW 96 449	400 A	Bar 30x10max cable Ø23max	6 VA	0,5	1/32
GW 96 450	600 A	Bar 30x10max cable Ø23max	10 VA	0,5	1/32
GW 96 451	1000 A	Bar 64x20max cable Ø50max	20 VA	0,5	1/12
GW 96 452	1200 A	Bar 64x20max cable Ø50max	20 VA	0,5	1/12
GW 96 453	1500 A	Bar 64x20max cable Ø50max	30 VA	0,5	1/12

**CHARACTERISTICS:** two types of primary circuit: wound (supplied with bar or primary terminal already available) and feedthrough (with a hole through which the bar, or the cable constituting the primary is passed).

Transformers up to 600 A can be installed on DIN rail.

**APPLICATIONS:** allow the measurement of high currents by analogue and digital ammeters; provide a current to the secondary which is proportional to the primary current.



Software for the lighting design of internal and external installations and for the production of the documentation to supply to the client to support the design.

## SIGNALLING

### INDICATOR LAMPS



INDICATOR LAMPS UN= 24V~ / 230V~

Code	Colour	Power consumption	No. EN 50022 modules	Pack Carton
<b>NOMINAL VOLTAGE: 24 V</b>				
GW 96 261	Transparent	20 mA	1	6/12
GW 96 262	Red	20 mA	1	6/12
GW 96 263	Green	20 mA	1	6/12
GW 96 264	Yellow	20 mA	1	6/12
GW 96 265	Blue	20 mA	1	6/12
<b>NOMINAL VOLTAGE: 230 V</b>				
GW 96 271	Transparent	2,5 mA	1	6/12
GW 96 272	Red	2,5 mA	1	6/12
GW 96 273	Green	2,5 mA	1	6/12
GW 96 274	Yellow	2,5 mA	1	6/12
GW 96 275	Blue	2,5 mA	1	6/12

ACCESSORIES SUPPLIED: lamp coupling E10.

### ILLUMINATED PUSH-BUTTONS



ILLUMINATED PUSH-BUTTONS WITH CHANGE-OVER CONTACT UN= 24V~ / 230V~

Code	Colour	Rated current (A)	No. EN 50022 modules	Pack Carton
<b>NOMINAL VOLTAGE: 24 V</b>				
GW 96 281	Transparent	16	1	6/12
GW 96 282	Red	16	1	6/12
GW 96 283	Green	16	1	6/12
GW 96 284	Yellow	16	1	6/12
GW 96 285	Blue	16	1	6/12
<b>NOMINAL VOLTAGE: 230 V</b>				
GW 96 291	Transparent	16	1	6/12
GW 96 292	Red	16	1	6/12
GW 96 293	Green	16	1	6/12
GW 96 294	Yellow	16	1	6/12
GW 96 295	Blue	16	1	6/12

ACCESSORIES SUPPLIED: lamp coupling E10.

### SPARE PARTS



SPARE LAMPS

Code	Description	Nominal voltage	Pack Carton
GW 96 296	Fluorescent lamp	230 V	10/100
GW 96 297	Incandescent lamp	24 V	10/100

APPLICATIONS: suitable for light lamps and backlit push-buttons.

NEW

### BELLS AND BUZZERS



BELLS

Code	Nominal voltage	Consumption	No. EN 50022 modules	Pack Carton
GW 96 401	12 V	5 VA	1	12
GW 96 402	230 V	10 VA	1	12
GW 96 403	230 V	6,1 VA	2	6

CHARACTERISTICS: GW96403 incorporate a very low voltage safety transformer 24V~.

APPLICATIONS: audio indication in domestic and commercial environments.



BUZZERS

Code	Nominal voltage	Consumption	No. EN 50022 modules	Pack Carton
GW 96 406	12 V	5 VA	1	12
GW 96 407	230 V	10 VA	1	12

TO BE CONTINUED ON NEXT PAGE

**(TO BE CONTINUED)**  
**BUZZERS**

Code	Nominal voltage	Consumption	No. EN 50022 modules	Pack Carton
GW 96 408	230 V	6,1 VA	2	6

**CHARACTERISTICS:** GW96408 incorporate a very low voltage safety transformer 24V~.

**APPLICATIONS:** audio indication in domestic and commercial environments.



**COMBINED TRANSFORMER-BELL-BUZZER**

Code	Nominal voltage	No. EN 50022 modules	Consumption	Pack Carton
GW 96 411	230 V	2	3,8 VA	4

**CHARACTERISTICS:** GW96411 incorporate a very low voltage safety transformer 24V~.

## TRANSFORMERS



**BELLS TRANSFORMERS**

Code	Nominal Power	Primary voltage	Secondary voltage	No. EN 50022 modules	Pack Carton
GW 96 421	5 VA	230 V	4+8=12 V	2	6
GW 96 422	5 VA	230 V	12+12=24 V	2	6
GW 96 423	10 VA	230 V	4+8=12 V	2	6
GW 96 424	10 VA	230 V	12+12=24 V	2	6
GW 96 425	15 VA	230 V	4+8=12 V	2	6
GW 96 426	15 VA	230 V	12+12=24 V	2	6
GW 96 431	30 VA	230 V	4+8=12 V	3	4
GW 96 432	30 VA	230 V	12+12=24 V	3	4
GW 96 433	40 VA	230 V	4+8=12 V	3	4
GW 96 434	40 VA	230 V	12+12=24 V	3	4

**APPLICATIONS:** distribution and realisation of SELV very low voltage safety circuits, with a value lower or equal to 24V. They allow electrical separation between the primary and secondary circuits, thus allowing the supply of bells and similar discontinuous operation signalling devices.



**SAFETY TRANSFORMERS**

Code	Nominal Power	Primary voltage	Secondary voltage	No. EN 50022 modules	Pack Carton
GW 96 321	15 VA	230 V	12+12=24 V	3	4
GW 96 322	25 VA	230 V	12+12=24 V	3	4
GW 96 323	40 VA	230 V	12+12=24 V	4	1
GW 96 324	63 VA	230 V	12+12=24 V	6	1

## MISCELLANEOUS ACCESSORIES

### SYSTEM RANGE COMPONENTS AND SUPPORTS FOR MOUNTING ON EN 50022 RAIL



**STANDARD / GERMAN SOCKET-OUTLETS WITH SAFETY SHUTTERS - 250 V**

Code	Description	Type	For plug pins	No. System modules	Pack Carton
GW 20 246	2P+E - 16A Dual amp. with side and central earth	P30 - P17	Ø 4 / 4.8 / 5 mm	2	30/120



**PLUGGABLE EMERGENCY LAMP 230V - 50/60HZ**

Code	Supply batteries	Duration	Lenticular bulb	No. System modules	Pack Carton
GW 20 833	Ni-Cd	2 h	2.2 V - 0.25 A	2	1/4

**CHARACTERISTICS:** equipped with inhibition selector on the front.





SUPPORTS FOR MOUNTING SYSTEM RANGE COMPONENTS ON EN 50022 RAIL

Code	Description	No. EN 50022 modules	Pack Carton
GW 26 409	1 gang	1,5	5/300
GW 26 410	2 gang	3	5/150

**THE INTEGRATED ELECTRICAL SYSTEM**

**GEWISS: WHEN THE TOTAL IS GREATER THAN THE SUM OF THE COMPONENT PARTS.**

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## MTS 160 - MOULDED-CASE CIRCUIT BREAKERS UP TO 160 A

### MTS 160 - TYPE B - 16kA



THERMO-MAGNETIC RELEASE WITH IM = 10 ITH

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 001	12,5	1
GW 97 002	16	1
GW 97 003	20	1
GW 97 004	25	1
GW 97 005	32	1
GW 97 006	40	1
GW 97 007	50	1
GW 97 008	63	1
GW 97 009	80	1
GW 97 010	100	1
GW 97 011	125	1
GW 97 012	160	1
<b>No. POLES: 4P</b>		
GW 97 013	12,5	1
GW 97 014	16	1
GW 97 015	20	1
GW 97 016	25	1
GW 97 017	32	1
GW 97 018	40	1
GW 97 019	50	1
GW 97 020	63	1
GW 97 021	80	1
GW 97 022	100	1
GW 97 023	125	1
GW 97 024	160	1



## MTS 160 - TYPE N - 36kA



### THERMO-MAGNETIC RELEASE WITH IM = 10 ITH

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 025	12,5	1
GW 97 026	16	1
GW 97 027	20	1
GW 97 028	25	1
GW 97 029	32	1
GW 97 030	40	1
GW 97 031	50	1
GW 97 032	63	1
GW 97 033	80	1
GW 97 034	100	1
GW 97 035	125	1
GW 97 036	160	1
<b>No. POLES: 4P</b>		
GW 97 037	12,5	1
GW 97 038	16	1
GW 97 039	20	1
GW 97 040	25	1
GW 97 041	32	1
GW 97 042	40	1
GW 97 043	50	1
GW 97 044	63	1
GW 97 045	80	1
GW 97 046	100	1
GW 97 047	125	1
GW 97 048	160	1

## MTS 160 - TYPE N - 36kA



### THERMO-MAGNETIC RELEASE WITH IM = 10 ITH

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 049	50	1
GW 97 050	63	1
GW 97 051	80	1
GW 97 052	100	1
GW 97 053	125	1
GW 97 054	160	1
<b>No. POLES: 4P</b>		
GW 97 055	50	1
GW 97 056	63	1
GW 97 057	80	1
GW 97 058	100	1
GW 97 059	125	1
GW 97 060	160	1

## BDS 160 - RESIDUAL CURRENT BLOCKS



### RESIDUAL CURRENT BLOCK BDS 160

Code	Type	Tripping	Pack Carton
GW 97 061	Side	Instantaneous	1
GW 97 062	Side	Adjustable	1
GW 97 063	Under	Instantaneous	1
GW 97 064	Under	Adjustable	1

**ACCESSORIES SUPPLIED:** the residual current blocks when mounted side-by-side are provided with fixing brackets for DIN EN 50022 rail (one for the circuit breaker and one for the residual current device).

## ACCESSORIES FOR TRANSFORMING FROM FIXED TO REMOVABLE



### FIXED PARTS FOR PLUG-IN CIRCUIT BREAKERS

Code	No. poles	Pack Carton
<b>TERMINALS: FRONT FOR COPPER CABLES</b>		
GW 98 054	3P	1
GW 98 055	4P	1
<b>TERMINALS: REAR THREADED</b>		
GW 98 056	3P	1
GW 98 057	4P	1



### KIT FOR TRANSFORMING FROM FIXED TO MOVABLE PART ON PLUG-IN CB

Code	No. poles	Pack Carton
GW 98 058	3P	1
GW 98 059	4P	1

## MTS 250 - CIRCUIT BREAKERS WITH THERMO-MAGNETIC RELEASES

### MTS 250 - TYPE N - 36 kA



#### THERMO-MAGNETIC RELEASE WITH IM = 10 ITH - (STANDARD)

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 116	32	1
GW 97 117	50	1
GW 97 118	80	1
GW 97 119	100	1
GW 97 120	125	1
GW 97 121	160	1
GW 97 122	200	1
GW 97 123	250	1
<b>No. POLES: 4P</b>		
GW 97 124	32	1
GW 97 125	50	1
GW 97 126	80	1
GW 97 127	100	1
GW 97 128	125	1
GW 97 129	160	1
GW 97 130	200	1
GW 97 131	250	1



#### THERMO-MAGNETIC RELEASE WITH IM = 5 ITH

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 100	32	1
GW 97 101	50	1
GW 97 102	80	1
GW 97 103	100	1
GW 97 104	125	1
GW 97 105	160	1
GW 97 106	200	1
GW 97 107	250	1
<b>No. POLES: 4P</b>		
GW 97 108	32	1
GW 97 109	50	1
GW 97 110	80	1
GW 97 111	100	1
GW 97 112	125	1
GW 97 113	160	1
GW 97 114	200	1
GW 97 115	250	1

## MTS 250 - TYPE N - 65 kA



### THERMO-MAGNETIC RELEASE WITH IM = 10 ITH - (STANDARD)

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 148	32	1
GW 97 149	50	1
GW 97 150	80	1
GW 97 151	100	1
GW 97 152	125	1
GW 97 153	160	1
GW 97 154	200	1
GW 97 155	250	1
<b>No. POLES: 4P</b>		
GW 97 156	32	1
GW 97 157	50	1
GW 97 158	80	1
GW 97 159	100	1
GW 97 160	125	1
GW 97 161	160	1
GW 97 162	200	1
GW 97 163	250	1



### THERMO-MAGNETIC RELEASE WITH IM = 5 ITH

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 132	32	1
GW 97 133	50	1
GW 97 134	80	1
GW 97 135	100	1
GW 97 136	125	1
GW 97 137	160	1
GW 97 138	200	1
GW 97 139	250	1
<b>No. POLES: 4P</b>		
GW 97 140	32	1
GW 97 141	50	1
GW 97 142	80	1
GW 97 143	100	1
GW 97 144	125	1
GW 97 145	160	1
GW 97 146	200	1
GW 97 147	250	1

## MTS 250 - TYPE N - 85 kA



### THERMO-MAGNETIC RELEASE WITH IM = 10 ITH - (STANDARD)

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 180	32	1
GW 97 181	50	1
GW 97 182	80	1
GW 97 183	100	1
GW 97 184	125	1
GW 97 185	160	1
GW 97 186	200	1
GW 97 187	250	1
<b>No. POLES: 4P</b>		
GW 97 188	32	1
GW 97 189	50	1
GW 97 190	80	1
GW 97 191	100	1
GW 97 192	125	1
GW 97 193	160	1
GW 97 194	200	1
GW 97 195	250	1



### THERMO-MAGNETIC RELEASE WITH IM = 5 ITH

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 164	32	1
GW 97 165	50	1
GW 97 166	80	1
GW 97 167	100	1
GW 97 168	125	1
GW 97 169	160	1
GW 97 170	200	1
GW 97 171	250	1
<b>No. POLES: 4P</b>		
GW 97 172	32	1
GW 97 173	50	1
GW 97 174	80	1
GW 97 175	100	1
GW 97 176	125	1
GW 97 177	160	1
GW 97 178	200	1
GW 97 179	250	1

## MTS 250 - TYPE N - 36kA



### THERMO-MAGNETIC RELEASE WITH IM = 10 ITH - (STANDARD)

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 202	50	1
GW 97 203	80	1
GW 97 204	100	1
GW 97 205	125	1
GW 97 206	160	1
GW 97 207	200	1
GW 97 208	250	1
<b>No. POLES: 4P</b>		
GW 97 209	50	1
GW 97 210	80	1
GW 97 211	100	1
GW 97 212	125	1
GW 97 213	160	1
GW 97 214	200	1
GW 97 215	250	1



### THERMO-MAGNETIC RELEASE WITH IM = 5 ITH

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 196	50	1
GW 97 197	80	1
GW 97 198	125	1
<b>No. POLES: 4P</b>		
GW 97 199	50	1
GW 97 200	80	1
GW 97 201	125	1

## MTS 250 - TYPE H - 65kA



### THERMO-MAGNETIC RELEASE WITH IM = 10 ITH - (STANDARD)

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 222	50	1
GW 97 223	80	1
GW 97 224	100	1
GW 97 225	125	1
GW 97 226	160	1
GW 97 227	200	1
GW 97 228	250	1
<b>No. POLES: 4P</b>		
GW 97 229	50	1
GW 97 230	80	1
GW 97 231	100	1
GW 97 232	125	1
GW 97 233	160	1
GW 97 234	200	1
GW 97 235	250	1



### THERMO-MAGNETIC RELEASE WITH IM = 5 ITH

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 216	50	1
GW 97 217	80	1
GW 97 218	125	1
<b>No. POLES: 4P</b>		
GW 97 219	50	1
GW 97 220	80	1
GW 97 221	125	1

## MTS 250 - TYPE L - 85kA



### THERMO-MAGNETIC RELEASE WITH IM = 10 ITH - (STANDARD)

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 242	50	1
GW 97 243	80	1
GW 97 244	100	1
GW 97 245	125	1
GW 97 246	160	1
GW 97 247	200	1
GW 97 248	250	1
<b>No. POLES: 4P</b>		
GW 97 249	50	1
GW 97 250	80	1
GW 97 251	100	1
GW 97 252	125	1
GW 97 253	160	1
GW 97 254	200	1
GW 97 255	250	1



### THERMO-MAGNETIC RELEASE WITH IM = 5 ITH

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 236	50	1
GW 97 237	80	1
GW 97 238	125	1
<b>No. POLES: 4P</b>		
GW 97 239	50	1
GW 97 240	80	1
GW 97 241	125	1

## BDS 250 - RESIDUAL CURRENT BLOCKS



### RESIDUAL CURRENT BLOCK BDS 250

Code	Type	Tripping	Pack Carton
GW 97 256	Side	Instantaneous	1
GW 97 257	Side	Adjustable	1
GW 97 258	Under	Instantaneous	1
GW 97 259	Under	Adjustable	1

**ACCESSORIES SUPPLIED:** the residual current blocks when mounted side-by-side are provided with fixing brackets for DIN EN 50023 section (one for the circuit breaker and one for the residual current device) and a front for the circuit breaker.

## MTS 250 - TRANSFORMING FROM FIXED TO REMOVABLE



### FIXED PARTS FOR PLUG-IN CIRCUIT BREAKERS

Code	No. poles	Pack Carton
<b>TERMINALS: EXTENDED FRONT</b>		
GW 98 101	3P	1
GW 98 102	4P	1
<b>TERMINALS: FRONT FOR COPPER CABLES</b>		
GW 98 103	3P	1
GW 98 104	4P	1
<b>TERMINALS: REAR THREADED</b>		
GW 98 105	3P	1
GW 98 106	4P	1



### KIT FOR TRANSFORMING FROM FIXED TO MOVABLE PART ON PLUG-IN CB

Code	No. poles	Pack Carton
GW 98 107	3P	1
GW 98 108	4P	1

## MTS 250 - TRANSFORMING FROM FIXED TO EXTRACTABLE



### FIXED PARTS FOR WITHDRAWABLE CIRCUIT BREAKERS

Code	No. poles	Pack Carton
<b>TERMINALS: EXTENDED FRONT</b>		
GW 98 109	3P	1
GW 98 110	4P	1
<b>TERMINALS: FRONT FOR COPPER CABLES</b>		
GW 98 111	3P	1
GW 98 112	4P	1
<b>TERMINALS: REAR THREADED</b>		
GW 98 113	3P	1
GW 98 114	4P	1



### KIT FOR TRANSFORMING FROM FIXED TO MOVABLE PART ON WITHDRAWABLE CB

Code	No. poles	Pack Carton
GW 98 115	3P	1
GW 98 116	4P	1



## MTSE 250 - CIRCUIT BREAKERS WITH THERMO-MAGNETIC RELEASES

### MTSE 250 - TYPE N - 36kA



#### SEP/A ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 300	I	100	1
GW 97 301	I	160	1
GW 97 302	I	250	1
GW 97 303	L I	100	1
GW 97 304	L I	160	1
GW 97 305	L I	250	1
<b>No. POLES: 4P</b>			
GW 97 306	I	100	1
GW 97 307	I	160	1
GW 97 308	I	250	1
GW 97 309	L I	100	1
GW 97 310	L I	160	1
GW 97 311	L I	250	1

**CHARACTERISTICS:** the MTSE 250 circuit breaker cannot be combined with BDS 250 residual current blocks.



#### SEP/B ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 312	L S I	100	1
GW 97 313	L S I	160	1
GW 97 314	L S I	250	1
GW 97 315	L S I G	100	1
GW 97 316	L S I G	160	1
GW 97 317	L S I G	250	1
<b>No. POLES: 4P</b>			
GW 97 318	L S I	100	1
GW 97 319	L S I	160	1
GW 97 320	L S I	250	1
GW 97 321	L S I G	100	1
GW 97 322	L S I G	160	1
GW 97 323	L S I G	250	1

**CHARACTERISTICS:** the MTSE 250 circuit breaker cannot be combined with BDS 250 residual current blocks.

### MTSE 250 - TYPE H - 65kA



#### SEP/A ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 324	I	100	1
GW 97 325	I	160	1
GW 97 326	I	250	1
GW 97 327	L I	100	1
GW 97 328	L I	160	1
GW 97 329	L I	250	1
<b>No. POLES: 4P</b>			
GW 97 330	I	100	1
GW 97 331	I	160	1
GW 97 332	I	250	1
GW 97 333	L I	100	1
GW 97 334	L I	160	1
GW 97 335	L I	250	1

**CHARACTERISTICS:** the MTSE 250 circuit breaker cannot be combined with BDS 250 residual current blocks.

# 97 MTS RANGE

MOULDED-CASE DEVICES FOR POWER DISTRIBUTION



## SEP/B ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 336	LSI	100	1
GW 97 337	LSI	160	1
GW 97 338	LSI	250	1
GW 97 339	LSIG	100	1
GW 97 340	LSIG	160	1
GW 97 341	LSIG	250	1
<b>No. POLES: 4P</b>			
GW 97 342	LSI	100	1
GW 97 343	LSI	160	1
GW 97 344	LSI	250	1
GW 97 345	LSIG	100	1
GW 97 346	LSIG	160	1
GW 97 347	LSIG	250	1

**CHARACTERISTICS:** the MTSE 250 circuit breaker cannot be combined with BDS 250 residual current blocks.

## MTSE 250 - TYPE L - 100kA



## SEP/A ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 348	I	100	1
GW 97 349	I	160	1
GW 97 350	I	250	1
GW 97 351	LI	100	1
GW 97 352	LI	160	1
GW 97 353	LI	250	1
<b>No. POLES: 4P</b>			
GW 97 354	I	100	1
GW 97 355	I	160	1
GW 97 356	I	250	1
GW 97 357	LI	100	1
GW 97 358	LI	160	1
GW 97 359	LI	250	1

**CHARACTERISTICS:** the MTSE 250 circuit breaker cannot be combined with BDS 250 residual current blocks.



## SEP/B ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 360	LSI	100	1
GW 97 361	LSI	160	1
GW 97 362	LSI	250	1
GW 97 363	LSIG	100	1
GW 97 364	LSIG	160	1
GW 97 365	LSIG	250	1
<b>No. POLES: 4P</b>			
GW 97 366	LSI	100	1
GW 97 367	LSI	160	1
GW 97 368	LSI	250	1
GW 97 369	LSIG	100	1
GW 97 370	LSIG	160	1
GW 97 371	LSIG	250	1

**CHARACTERISTICS:** the MTSE 250 circuit breaker cannot be combined with BDS 250 residual current blocks.

## MTSE 250 - TRANSFORMING FROM FIXED TO PLUG-IN



### FIXED PARTS FOR PLUG-IN CIRCUIT BREAKERS

Code	No. poles	Pack Carton
<b>TERMINALS: EXTENDED FRONT</b>		
GW 98 131	3P	1
GW 98 132	4P	1

TO BE CONTINUED ON NEXT PAGE

●=March 2004

◆=May 2004

(TO BE CONTINUED)

FIXED PARTS FOR PLUG-IN CIRCUIT BREAKERS

Code	No. poles	Pack Carton
<b>TERMINALS: FRONT FOR COPPER CABLES</b>		
GW 98 133	3P	1
GW 98 134	4P	1
<b>TERMINALS: REAR THREADED</b>		
GW 98 135	3P	1
GW 98 136	4P	1



KIT FOR TRANSFORMING FROM FIXED TO MOVABLE PART ON PLUG-IN CB

Code	No. poles	Pack Carton
GW 98 107	3P	1
GW 98 108	4P	1

## MTSE 250 - ACCESSORIES FOR TRANSFORMING FROM FIXED TO WITHDRAWABLE



FIXED PARTS FOR WITHDRAWABLE CIRCUIT BREAKERS

Code	No. poles	Pack Carton
<b>TERMINALS: EXTENDED FRONT</b>		
GW 98 139	3P	1
GW 98 140	4P	1
<b>TERMINALS: FRONT FOR COPPER CABLES</b>		
GW 98 141	3P	1
GW 98 142	4P	1
<b>TERMINALS: REAR THREADED</b>		
GW 98 143	3P	1
GW 98 144	4P	1



KIT FOR TRANSFORMING FROM FIXED TO MOVABLE PART ON WITHDRAWABLE CB

Code	No. poles	Pack Carton
GW 98 115	3P	1
GW 98 116	4P	1

## MTSE 630 / MTS 630 - CIRCUIT BREAKERS WITH THERMO-MAGNETIC RELEASES

### MTSE 630 - TYPE N - 36kA



SEP/A ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 418	I	320	1
GW 97 419	I	400	1
GW 97 420	I	630	1
GW 97 421	L I	320	1
GW 97 422	L I	400	1
GW 97 423	L I	630	1
<b>No. POLES: 4P</b>			
GW 97 424	I	320	1
GW 97 425	I	400	1
GW 97 426	I	630	1
GW 97 427	L I	320	1
GW 97 428	L I	400	1
GW 97 429	L I	630	1

# 97 MTS RANGE

MOULDED-CASE DEVICES FOR POWER DISTRIBUTION



## SEP/B ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 430	LSI	320	1
GW 97 431	LSI	400	1
GW 97 432	LSI	630	1
GW 97 433	LSIG	320	1
GW 97 434	LSIG	400	1
GW 97 435	LSIG	630	1
<b>No. POLES: 4P</b>			
GW 97 436	LSI	320	1
GW 97 437	LSI	400	1
GW 97 438	LSI	630	1
GW 97 439	LSIG	320	1
GW 97 440	LSIG	400	1
GW 97 441	LSIG	630	1

## MTSE 630 - TYPE H - 65kA



### SEP/A ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 442	I	320	1
GW 97 443	I	400	1
GW 97 444	I	630	1
GW 97 445	LI	320	1
GW 97 446	LI	400	1
GW 97 447	LI	630	1
<b>No. POLES: 4P</b>			
GW 97 448	I	320	1
GW 97 449	I	400	1
GW 97 450	I	630	1
GW 97 451	LI	320	1
GW 97 452	LI	400	1
GW 97 453	LI	630	1



### SEP/B ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 454	LSI	320	1
GW 97 455	LSI	400	1
GW 97 456	LSI	630	1
GW 97 457	LSIG	320	1
GW 97 458	LSIG	400	1
GW 97 459	LSIG	630	1
<b>No. POLES: 4P</b>			
GW 97 460	LSI	320	1
GW 97 461	LSI	400	1
GW 97 462	LSI	630	1
GW 97 463	LSIG	320	1
GW 97 464	LSIG	400	1
GW 97 465	LSIG	630	1

●=March 2004

❖=May 2004

## MTSE 630 - TYPE L - 100kA



### SEP/A ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 466	I	320	1
GW 97 467	I	400	1
GW 97 468	I	630	1
GW 97 469	L I	320	1
GW 97 470	L I	400	1
GW 97 471	L I	630	1
<b>No. POLES: 4P</b>			
GW 97 472	I	320	1
GW 97 473	I	400	1
GW 97 474	I	630	1
GW 97 475	L I	320	1
GW 97 476	L I	400	1
GW 97 477	L I	630	1



### SEP/B ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 478	L S I	320	1
GW 97 479	L S I	400	1
GW 97 480	L S I	630	1
GW 97 481	L S I G	320	1
GW 97 482	L S I G	400	1
GW 97 483	L S I G	630	1
<b>No. POLES: 4P</b>			
GW 97 484	L S I	320	1
GW 97 485	L S I	400	1
GW 97 486	L S I	630	1
GW 97 487	L S I G	320	1
GW 97 488	L S I G	400	1
GW 97 489	L S I G	630	1

## MTS 630 - TYPE N - 36kA



### THERMO-MAGNETIC RELEASE WITH IM = 5-10 Ith

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 400	320	1
GW 97 401	400	1
GW 97 402	500	1
<b>No. POLES: 4P</b>		
GW 97 403	320	1
GW 97 404	400	1
GW 97 405	500	1

## MTS 630 - TYPE H - 65kA



### ADJUSTABLE THERMO-MAGNETIC RELEASE WITH IM = 5-10 Ith

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 406	320	1
GW 97 407	400	1
GW 97 408	500	1
<b>No. POLES: 4P</b>		
GW 97 409	320	1
GW 97 410	400	1
GW 97 411	500	1

## MTS 630 - TYPE L - 100kA



ADJUSTABLE THERMO-MAGNETIC RELEASE WITH IM = 5-10 ITH

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 412	320	1
GW 97 413	400	1
GW 97 414	500	1
<b>No. POLES: 4P</b>		
GW 97 415	320	1
GW 97 416	400	1
GW 97 417	500	1

## MTSE 630 / MTS 630 - TRANSFORMING FROM FIXED TO REMOVABLE



FIXED PARTS FOR PLUG-IN CIRCUIT BREAKERS

Code	No. poles	Pack Carton
<b>TERMINALS: EXTENDED FRONT</b>		
GW 98 161	3P	1
GW 98 162	4P	1
<b>TERMINALS: FRONT FOR COPPER CABLES</b>		
GW 98 163	3P	1
GW 98 164	4P	1
<b>TERMINALS: REAR THREADED</b>		
GW 98 165	3P	1
GW 98 166	4P	1



KIT FOR TRANSFORMING FROM FIXED TO MOVABLE PART ON PLUG-IN CB

Code	No. poles	Pack Carton
GW 98 167	3P	1
GW 98 168	4P	1

## MTSE 630 / MTS 630 - TRANSFORMING FROM FIXED TO EXTRACTABLE



FIXED PARTS FOR WITHDRAWABLE CIRCUIT BREAKERS

Code	No. poles	Pack Carton
<b>TERMINALS: EXTENDED FRONT</b>		
GW 98 169	3P	1
GW 98 170	4P	1
<b>TERMINALS: FRONT FOR COPPER CABLES</b>		
GW 98 171	3P	1
GW 98 172	4P	1
<b>TERMINALS: REAR THREADED</b>		
GW 98 173	3P	1
GW 98 174	4P	1



KIT FOR TRANSFORMING FROM FIXED TO MOVABLE PART ON WITHDRAWABLE CB

Code	No. poles	Pack Carton
GW 98 175	3P	1
GW 98 176	4P	1

## MTSE 630 / MTS 630 - TRANSFORMING FROM FIXED TO WITHDRAWABLE FROM 500 A TO 630 A



### FIXED PARTS FOR WITHDRAWABLE CIRCUIT BREAKERS

Code	No. poles	Pack Carton
<b>TERMINALS: OPEN EXTENDED FRONT</b>		
GW 98 177	3P	1
GW 98 178	4P	1
<b>TERMINALS: FLAT REAR VERTICAL</b>		
GW 98 179	3P	1
GW 98 180	4P	1
<b>TERMINALS: REAR THREADED</b>		
GW 98 181	3P	1
GW 98 182	4P	1



### KIT FOR TRANSFORMING FROM FIXED TO MOVABLE PART ON WITHDRAWABLE CB

Code	No. poles	Pack Carton
GW 98 183	3P	1
GW 98 184	4P	1

## MTSE 800 / MTS 800 - CIRCUIT BREAKERS WITH THERMO-MAGNETIC RELEASES

### MTSE 800 - TYPE N - 36kA



#### SEP/A ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 516	I	630	1
GW 97 517	I	800	1
GW 97 518	LI	630	1
GW 97 519	LI	800	1
<b>No. POLES: 4P</b>			
GW 97 520	I	630	1
GW 97 521	I	800	1
GW 97 522	LI	630	1
GW 97 523	LI	800	1



#### SEP/B ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 524	LSI	630	1
GW 97 525	LSI	800	1
GW 97 526	LSIG	630	1
GW 97 527	LSIG	800	1
<b>No. POLES: 4P</b>			
GW 97 528	LSI	630	1
GW 97 529	LSI	800	1
GW 97 530	LSIG	630	1
GW 97 531	LSIG	800	1

### MTSE 800 - TYPE S - 50kA



#### SEP/A ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 532	I	630	1
GW 97 533	I	800	1
GW 97 534	LI	630	1
GW 97 535	LI	800	1

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SEP/A ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 4P</b>			
GW 97 536	I	630	1
GW 97 537	I	800	1
GW 97 538	LI	630	1
GW 97 539	LI	800	1



SEP/B ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 540	LSI	630	1
GW 97 541	LSI	800	1
GW 97 542	LSIG	630	1
GW 97 543	LSIG	800	1
<b>No. POLES: 4P</b>			
GW 97 544	LSI	630	1
GW 97 545	LSI	800	1
GW 97 546	LSIG	630	1
GW 97 547	LSIG	800	1

## MTSE 800 - TYPE H - 65kA



SEP/A ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 548	I	630	1
GW 97 549	I	800	1
GW 97 550	LI	630	1
GW 97 551	LI	800	1
<b>No. POLES: 4P</b>			
GW 97 552	I	630	1
GW 97 553	I	800	1
GW 97 554	LI	630	1
GW 97 555	LI	800	1



SEP/B ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 556	LSI	630	1
GW 97 557	LSI	800	1
GW 97 558	LSIG	630	1
GW 97 559	LSIG	800	1
<b>No. POLES: 4P</b>			
GW 97 560	LSI	630	1
GW 97 561	LSI	800	1
GW 97 562	LSIG	630	1
GW 97 563	LSIG	800	1

## MTSE 800 - TYPE L - 100kA



SEP/A ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 564	I	630	1
GW 97 565	I	800	1
GW 97 566	LI	630	1
GW 97 567	LI	800	1

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(TO BE CONTINUED)  
SEP/A ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 4P</b>			
GW 97 568	I	630	1
GW 97 569	I	800	1
GW 97 570	LI	630	1
GW 97 571	LI	800	1



SEP/B ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 572	LSI	630	1
GW 97 573	LSI	800	1
GW 97 574	LSIG	630	1
GW 97 575	LSIG	800	1
<b>No. POLES: 4P</b>			
GW 97 576	LSI	630	1
GW 97 577	LSI	800	1
GW 97 578	LSIG	630	1
GW 97 579	LSIG	800	1

## MTS 800 - TYPE N - 36kA



ADJUSTABLE THERMO-MAGNETIC RELEASE WITH IM = 5-10 ITH

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 500	630	1
GW 97 501	800	1
<b>No. POLES: 4P</b>		
GW 97 502	630	1
GW 97 503	800	1

## MTS 800 - TYPE S - 50kA



ADJUSTABLE THERMO-MAGNETIC RELEASE WITH IM = 5-10 ITH

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 504	630	1
GW 97 505	800	1
<b>No. POLES: 4P</b>		
GW 97 506	630	1
GW 97 507	800	1

## MTS 800 - TYPE H - 65kA



ADJUSTABLE THERMO-MAGNETIC RELEASE WITH IM = 5-10 ITH

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 508	630	1
GW 97 509	800	1
<b>No. POLES: 4P</b>		
GW 97 510	630	1
GW 97 511	800	1

## MTS 800 - TYPE L - 100kA



ADJUSTABLE THERMO-MAGNETIC RELEASE WITH IM = 5-10 ITH

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 512	630	1
GW 97 513	800	1
<b>No. POLES: 4P</b>		
GW 97 514	630	1
GW 97 515	800	1

## MTSE 800 / MTS 800 - TRANSFORMING FROM FIXED TO EXTRACTABLE



FIXED PARTS FOR WITHDRAWABLE CIRCUIT BREAKERS

Code	No. poles	Pack Carton
<b>TERMINALS: EXTENDED FRONT</b>		
GW 98 201	3P	1
GW 98 202	4P	1
<b>TERMINALS: FLAT REAR VERTICAL</b>		
GW 98 203	3P	1
GW 98 204	4P	1
<b>TERMINALS: FLAT REAR HORIZONTAL</b>		
GW 98 205	3P	1
GW 98 206	4P	1



KIT FOR TRANSFORMING FROM FIXED TO MOVABLE PART OF WITHDRAWABLE CB

Code	No. poles	Pack Carton
GW 98 207	3P	1
GW 98 208	4P	1

## MTSE 1600 - CIRCUIT BREAKERS WITH ELECTRONIC RELEASES

### MTSE 1600 - TYPE S - 50kA



SEP/A ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 600	I	1000	1
GW 97 601	I	1250	1
GW 97 602	I	1600	1
GW 97 603	L I	1000	1
GW 97 604	L I	1250	1
GW 97 605	L I	1600	1
<b>No. POLES: 4P</b>			
GW 97 606	I	1000	1
GW 97 607	I	1250	1
GW 97 608	I	1600	1
GW 97 609	L I	1000	1
GW 97 610	L I	1250	1
GW 97 611	L I	1600	1

# 97 MTS RANGE

MOULDED-CASE DEVICES FOR POWER DISTRIBUTION

**GEWISS**



## SEP/B ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 612	LS I	1000	1
GW 97 613	LS I	1250	1
GW 97 614	LS I	1600	1
GW 97 615	LS I G	1000	1
GW 97 616	LS I G	1250	1
GW 97 617	LS I G	1600	1
<b>No. POLES: 4P</b>			
GW 97 618	LS I	1000	1
GW 97 619	LS I	1250	1
GW 97 620	LS I	1600	1
GW 97 621	LS I G	1000	1
GW 97 622	LS I G	1250	1
GW 97 623	LS I G	1600	1

## MTSE 1600 - TYPE H - 65kA



## SEP/A ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 624	I	1000	1
GW 97 625	I	1250	1
GW 97 626	I	1600	1
GW 97 627	LI	1000	1
GW 97 628	LI	1250	1
GW 97 629	LI	1600	1
<b>No. POLES: 4P</b>			
GW 97 630	I	1000	1
GW 97 631	I	1250	1
GW 97 632	I	1600	1
GW 97 633	LI	1000	1
GW 97 634	LI	1250	1
GW 97 635	LI	1600	1



## SEP/B ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 636	LS I	1000	1
GW 97 637	LS I	1250	1
GW 97 638	LS I	1600	1
GW 97 639	LS I G	1000	1
GW 97 640	LS I G	1250	1
GW 97 641	LS I G	1600	1
<b>No. POLES: 4P</b>			
GW 97 642	LS I	1000	1
GW 97 643	LS I	1250	1
GW 97 644	LS I	1600	1
GW 97 645	LS I G	1000	1
GW 97 646	LS I G	1250	1
GW 97 647	LS I G	1600	1

◆=May 2004

●=March 2004

## MTSE 1600 - TYPE L - 100kA



### SEP/A ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 648	I	1000	1
GW 97 649	I	1250	1
GW 97 650	I	1600	1
GW 97 651	LI	1000	1
GW 97 652	LI	1250	1
GW 97 653	LI	1600	1
<b>No. POLES: 4P</b>			
GW 97 654	I	1000	1
GW 97 655	I	1250	1
GW 97 656	I	1600	1
GW 97 657	LI	1000	1
GW 97 658	LI	1250	1
GW 97 659	LI	1600	1



### SEP/B ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>			
GW 97 660	LSI	1000	1
GW 97 661	LSI	1250	1
GW 97 662	LSI	1600	1
GW 97 663	LSIG	1000	1
GW 97 664	LSIG	1250	1
GW 97 665	LSIG	1600	1
<b>No. POLES: 4P</b>			
GW 97 666	LSI	1000	1
GW 97 667	LSI	1250	1
GW 97 668	LSI	1600	1
GW 97 669	LSIG	1000	1
GW 97 670	LSIG	1250	1
GW 97 671	LSIG	1600	1

## MTSE 1600 - TRANSFORMING FROM FIXED TO WITHDRAWABLE



### FIXED PARTS FOR WITHDRAWABLE CIRCUIT BREAKERS

Code	No. poles	Pack Carton
<b>TERMINALS: EXTENDED FRONT</b>		
GW 98 221	3P	1
GW 98 222	4P	1
<b>TERMINALS: FLAT REAR VERTICAL</b>		
GW 98 223	3P	1
GW 98 224	4P	1
<b>TERMINALS: FLAT REAR HORIZONTAL</b>		
GW 98 225	3P	1
GW 98 226	4P	1



### KIT FOR TRANSFORMING FROM FIXED TO MOVABLE PART ON WITHDRAWABLE CB

Code	No. poles	Pack Carton
GW 98 227	3P	1
GW 98 228	4P	1

## MTSM RANGE SWITCH-DISCONNECTORS

### MTSM 250 - SWITCH-DISCONNECTORS



#### SWITCH-DISCONNECTORS

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 700	100	1
GW 97 701	160	1
GW 97 702	250	1
GW 97 703	320	1
<b>No. POLES: 4P</b>		
GW 97 704	100	1
GW 97 705	160	1
GW 97 706	250	1
GW 97 707	320	1

### MTSM 800 - SWITCH-DISCONNECTORS



#### SWITCH-DISCONNECTORS

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 708	400	1
GW 97 709	630	1
GW 97 710	800	1
<b>No. POLES: 4P</b>		
GW 97 711	400	1
GW 97 712	630	1
GW 97 713	800	1

### MTSM 1600 - SWITCH-DISCONNECTORS



#### SWITCH-DISCONNECTORS

Code	Rated current (A)	Pack Carton
<b>No. POLES: 3P</b>		
GW 97 714	1000	1
GW 97 715	1250	1
GW 97 716	1600	1
<b>No. POLES: 4P</b>		
GW 97 717	1000	1
GW 97 718	1250	1
GW 97 719	1600	1





## RELEASES AND CONTACTS

### SHUNT-TRIP



#### SHUNT-TRIP

Code	Supply voltage	Pack Carton
<b>SUITABLE FOR: MTS 160</b>		
GW 98 001	24-30V AC	1
GW 98 002	48V AC / 60V DC	1
GW 98 003	110-130V AC	1
GW 98 004	220-250V AC	1
GW 98 005	380-400V AC	1
GW 98 006	12V DC	1
GW 98 007	24V DC	1
GW 98 008	48V DC	1
GW 98 009	110V DC	1
GW 98 010	220V DC	1
GW 98 011	250V DC	1
<b>SUITABLE FOR: MTS(E)/MTSM 250 MTS(E) 630</b>		
GW 98 251	12V DC	1
GW 98 252	24V AC/DC	1
GW 98 253	48V AC/DC	1
GW 98 254	60V AC / 60-72V DC	1
GW 98 255	110-120V AC / 110-125V DC	1
GW 98 256	220-240V AC / 220-250V DC	1
GW 98 257	380-400V AC	1
GW 98 258	480V AC	1
<b>SUITABLE FOR: MTS(E)/MTSM 800 MTSE/MTSM 1600</b>		
GW 98 259	12V DC	1
GW 98 260	24V AC/DC	1
GW 98 261	48V AC/DC	1
GW 98 262	60V AC/DC	1
GW 98 263	110-120V AC / 110-125V DC	1
GW 98 264	220-240V AC / 220-250V DC	1
GW 98 265	380-400V AC	1
GW 98 266	480V AC	1

**NOTE:** the releases for circuit breakers (MTS 250, MTSE 250, MTS 630, MTSE 630, MTS 800, MTSE 800, MTSE 1600) and knife switches (MTSM 250, MTSM 800, MTSM 1600) must be completed with relative connectors.



### UNDER VOLTAGE RELEASES

Code	Supply voltage	Pack Carton
<b>SUITABLE FOR: MTS 160</b>		
GW 98 012	24V AC - 50Hz	1
GW 98 013	48V AC - 50Hz	1
GW 98 014	110V AC - 50Hz	1
GW 98 015	220V AC - 50Hz	1
GW 98 016	380V AC - 50Hz 380-440V AC - 60Hz	1
GW 98 017	110V AC - 60Hz	1
GW 98 018	24V DC	1
GW 98 019	48V DC	1
GW 98 020	60V DC	1
GW 98 021	110V DC	1
GW 98 022	220V DC	1
<b>SUITABLE FOR: MTS(E)/MTSM 250 MTS(E) 630</b>		
GW 98 269	24V AC	1
GW 98 270	48V AC	1
GW 98 271	60V AC	1
GW 98 272	110-127V AC	1
GW 98 273	220-250V AC	1
GW 98 274	380-440V AC	1
GW 98 275	480V AC	1
GW 98 276	24V DC	1
GW 98 277	48V DC	1
GW 98 278	60V DC	1
GW 98 279	110-125V DC	1
GW 98 280	220-250V DC	1
<b>SUITABLE FOR: MTS(E)/MTSM 800 MTSE/MTSM 1600</b>		
GW 98 281	24V AC	1
GW 98 282	48V AC	1
GW 98 283	60V AC	1
GW 98 284	110-127V AC	1
GW 98 285	220-250V AC	1
GW 98 286	380-440V AC	1
GW 98 287	480V AC	1
GW 98 288	24V DC	1
GW 98 289	48V DC	1
GW 98 290	60V DC	1
GW 98 291	110-125V DC	1
GW 98 292	220-250V DC	1

**NOTE:** the releases for circuit breakers (MTS 250, MTSE 250, MTS 630, MTSE 630, MTS 800, MTSE 800, MTSE 1600) and knife switches (MTSM 250, MTSM 800, MTSM 1600) must be completed with relative connectors.



### UNDER VOLTAGE RELEASES + ELECTRONIC DELAYING DEVICE

Code	Supply voltage	Pack Carton
<b>SUITABLE FOR: MTS(E) 250 MTS(E) 630</b>		
GW 98 267	110-220V AC	1
<b>SUITABLE FOR: MTS(E) 800 MTSE 1600</b>		
GW 98 268	110-220V AC	1



### SERVICE RELEASE CONNECTORS

Code	For switch	Type	Length (m)	Pack Carton
<b>SUITABLE FOR: MTS 160</b>				
GW 98 023		Trailing 9P socket-outlet/plug	0,6	1
<b>SUITABLE FOR: MTS(E)/MTSM 250/800 MTS(E) 630</b>				
GW 98 293	Fixed		2	1
GW 98 294	Plug-in or withdrawable		1	1
<b>SUITABLE FOR: MTSE/MTSM 1600</b>				
GW 98 295	Fixed		2	1
GW 98 296	Withdrawable		2	1
<b>SUITABLE FOR: ALL THE CB AND KNIFE SWITCHES (EXCLUDING MTS 160)</b>				
GW 98 297		Extension for checking auxiliary circuits on a withdrawn c.b.		1

## ELECTRICAL SIGNALLING



### AUXILIARY CONTACTS

Code	Type of indicator	Pack Carton
<b>SUITABLE FOR: MTS 160</b>		
GW 98 024	2 open/closed contact	1
GW 98 025	1 open/closed contact 1 release tripped signal	1
<b>SUITABLE FOR: MTS(E)/MTSM 250 MTS(E) 630</b>		
GW 98 298	2 open/closed contact	1
GW 98 299	1 open/closed contact 1 release tripped signal	1
<b>SUITABLE FOR: MTS(E)/MTSM 800 MTSE/MTSM 1600</b>		
GW 98 300	2 open/closed contact	1
GW 98 301	1 open/closed contact 1 release tripped signal	1
GW 98 302	1 NO. 1 NC. 1 signal no release trip	1

**NOTE:** the releases for circuit breakers (MTS 250, MTSE 250, MTS 630, MTSE 630, MTS 800, MTSE 800, MTSE 1600) and knife switches (MTSM 250, MTSM 800, MTSM 1600) must be completed with relative connectors.



### AUXILIARY CONTACTS FOR DIGITAL SIGNALS

Code	Type of indicator	Pack Carton
<b>SUITABLE FOR: MTS(E)/MTSM 250 MTS(E) 630</b>		
GW 98 303	2 open/closed contact	1
GW 98 304	1 open/closed contact 1 release tripped signal	1
<b>SUITABLE FOR: MTS(E)/MTSM 800 MTSE/MTSM 1600</b>		
GW 98 305	2 open/closed contact	1
GW 98 306	1 open/closed contact 1 release tripped signal	1
GW 98 307	1 NO. 1 NC. 1 signal no release trip	1



### PRE-WIRED CONTACTS AND CONNECTORS

Code	Type of indicator	Pack Carton
<b>SUITABLE FOR: MTS(E)/MTSM 250/800 MTS(E) 630</b>		
GW 98 423	Contact + connector for under voltage release	1
<b>SUITABLE FOR: MTSE/MTSM 1600</b>		
GW 98 424	Contact + connector for under voltage release	1



### AUXILIARY CONTACT CONNECTORS

Code	Type	For switch	Length (m)	Pack Carton
<b>SUITABLE FOR: MTS 160 (ONLY REMOVABLE VERSIONS)</b>				
GW 98 026	Trailing 9P socket-outlet/plug		0,6	1
<b>SUITABLE FOR: MTS(E)/MTSM 250/800 MTS(E) 630</b>				
GW 98 308		Fixed	2	1
GW 98 309		Plug-in or withdrawable	1	1
<b>SUITABLE FOR: MTSE/MTSM 1600</b>				
GW 98 310		Fixed	2	1
GW 98 311		Withdrawable	2	1
<b>SUITABLE FOR: ALL THE CB AND KNIFE SWITCHES (EXCLUDING MTS 160)</b>				
GW 98 312	Extension for checking auxiliary circuits on a withdrawn c.b.			1





## COMMANDS

### REMOTE CONTROLS



#### SOLENOID COMMAND

Code	Supply voltage	Pack Carton
<b>SUITABLE FOR: MTS 160 SIDE MOUNTING</b>		
GW 98 027	48V DC	1
GW 98 028	60V DC / 110V AC	1
GW 98 029	110V DC / 220-230V AC	1
GW 98 030	220V DC	1
<b>SUITABLE FOR: MTS 160 MOUNTING ON FRONT</b>		
GW 98 031	48V DC	1
GW 98 032	60V DC / 110V AC	1
GW 98 033	110V DC / 220-230V AC	1
GW 98 034	220V DC	1



#### DIRECT ACTION MOTOR CONTROL

Code	Supply voltage	Pack Carton
<b>SUITABLE FOR: MTS(E)/MTSM 250 MTS(E) 630</b>		
GW 98 313	24V DC	1
GW 98 314	48-60V DC	1
GW 98 315	110-127V AC / 100-125V DC	1
GW 98 316	220-240V AC / 220-250V DC	1
GW 98 317	380V AC	1
GW 98 318	440V AC	1

**NOTE:** The motor-drive controls must be completed with relative connectors.



#### ENERGY ACCUMULATION MOTOR CONTROL

Code	Supply voltage	Pack Carton
<b>SUITABLE FOR: MTS(E)/MTSM 800</b>		
GW 98 319	24V DC	1
GW 98 320	48V DC	1
GW 98 321	60V DC	1
GW 98 322	110V AC/DC	1
GW 98 323	120-127V AC/DC	1
GW 98 324	220-250V AC/DC	1
GW 98 325	380V AC	1
<b>SUITABLE FOR: MTSE/MTSM 1600</b>		
GW 98 326	24V DC	1
GW 98 327	48V DC	1
GW 98 328	60V DC	1
GW 98 329	110V AC/DC	1
GW 98 330	120-127V AC/DC	1
GW 98 331	220-250V AC/DC	1
GW 98 332	380V AC	1

**NOTE:** The motor-drive controls must be completed with relative connectors.



#### CONNECTORS FOR MOTOR CONTROL AND AUXILIARY CONTACTS

Code	Type	For switch	Length (m)	Pack Carton
<b>SUITABLE FOR: MTS 160 (ONLY REMOVABLE VERSIONS)</b>				
GW 98 026	Trailing 9P socket-outlet/plug		0,6	1
<b>SUITABLE FOR: MTS(E)/MTSM 250/630/800</b>				
GW 98 333		Fixed	2	1
GW 98 334		Plug-in or withdrawable	1	1
<b>SUITABLE FOR: MTSE/MTSM 1600</b>				
GW 98 335		Fixed	2	1
GW 98 336		Withdrawable	2	1
<b>SUITABLE FOR: MTS(E) 250/630/800 MTSE 1600</b>				
GW 98 337	Extension for checking auxiliary circuits on a withdrawn c.b.			1

## COMMANDS AND BLOCKS



### DIRECT ROTARY HANDLE CONTROL

Code	Type	For switch	Pack Carton
<b>SUITABLE FOR: MTS(E)/MTSM 250 MTS(E) 630</b>			
GW 98 338		Fixed and plug-in	1
GW 98 339		Withdrawable	1
GW 98 340	Emergency	Fixed and withdrawable	1
<b>SUITABLE FOR: MTS(E)/MTSM 800</b>			
GW 98 341		Fixed	1
GW 98 342		Withdrawable	1
GW 98 343	Emergency	Fixed and withdrawable	1
<b>SUITABLE FOR: MTSE/MTSM 1600</b>			
GW 98 344		Fixed	1
GW 98 345		Withdrawable	1
GW 98 346	Emergency	Fixed and withdrawable	1



### COMMAND WITH ROTARY SHAFT EXTENDED HANDLE

Code	Type	Distance	For switch	Pack Carton
<b>SUITABLE FOR: MTS 160</b>				
GW 98 035	On door	fixed (L=119.5 mm)	Fixed and plug-in	1
GW 98 036	Emergency on door	fixed (L=119.5 mm)	Fixed and plug-in	1
GW 98 037	Shaft extended	adjustable (Lmax=180mm)		1
GW 98 038	Shaft extended	adjustable (Lmax=500 mm)		1
<b>SUITABLE FOR: MTS(E)/MTSM 250 MTS(E) 630</b>				
GW 98 347	On door	adjustable (Lmax=300mm)	Fixed and plug-in	1
GW 98 348	On door	adjustable (Lmax=300mm)	Withdrawable	1
GW 98 349	Emergency on door	adjustable (Lmax=300mm)	Fixed and plug-in	1
GW 98 350	Shaft extended	adjustable (Lmax=500 mm)		1
<b>SUITABLE FOR: MTS(E)/MTSM 800</b>				
GW 98 351	On door	adjustable (Lmax=500 mm)	Fixed	1
GW 98 352	On door	adjustable (Lmax=500 mm)	Withdrawable	1
GW 98 353	Emergency on door	adjustable (Lmax=500 mm)	Fixed	1
<b>SUITABLE FOR: MTSE/MTSM 1600</b>				
GW 98 354	On door	adjustable (Lmax=500 mm)	Fixed	1
GW 98 355	On door	adjustable (Lmax=500 mm)	Withdrawable	1
GW 98 356	Emergency on door	adjustable (Lmax=500 mm)	Fixed	1

## COMMANDS AND BLOCKS



### FRONTAL

Code	Type	For switch	Pack Carton
<b>SUITABLE FOR: MTS(E)/MTSM 250 MTS(E) 630</b>			
GW 98 357	For level command	Fixed and plug-in	1
GW 98 358	For level command	Withdrawable	1
<b>SUITABLE FOR: MTS(E)/MTSM 800</b>			
GW 98 359	For level command	Fixed	1
GW 98 360	For level command	Withdrawable	1
<b>SUITABLE FOR: MTSE/MTSM 1600</b>			
GW 98 361	For level command	Fixed	1
GW 98 362	For level command	Withdrawable	1



### KEY BLOCKS IN OPEN POSITION

Code	Type	Key	Pack Carton
<b>SUITABLE FOR: MTS(E)/MTSM 250 MTS(E) 630</b>			
GW 98 363	For motor command	same for groups of circuit breakers	1
<b>SUITABLE FOR: MTS(E)/MTSM 800 MTSE/MTSM 1600</b>			
GW 98 364	For motor command	same for groups of circuit breakers	1
GW 98 365	For motor command against manual control	same for each circuit breaker	1
<b>SUITABLE FOR: ALL THE CB AND KNIFE SWITCHES (EXCLUDING MTS 160)</b>			
GW 98 366	For front/rotary handle	same for groups of circuit breakers	1
GW 98 367	RONIS key-operated lock		1



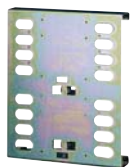
### VARIOUS BLOCKS

Code	Type	Pack Carton
<b>SUITABLE FOR: MTS 160</b>		
GW 98 039	Locking with padlock for control lever	1
GW 98 040	Tamper-proof lock thermal release	1
<b>SUITABLE FOR: ALL THE CB AND KNIFE SWITCHES (EXCLUDING MTS 160)</b>		
GW 98 368	Cell door lock	1
<b>SUITABLE FOR: MTS 250</b>		
GW 98 369	Tamper-proof lock thermal release	1



### BLOCK FOR FIXED PART OF WITHDRAWABLE CIRCUIT BREAKER

Code	Type	Key	Pack Carton
<b>SUITABLE FOR: ALL THE CB AND KNIFE SWITCHES (EXCLUDING MTS 160)</b>			
GW 98 485	Ins./withdr. key-operated lock	different for each circuit breaker	1
GW 98 486	Ins./withdr. key-operated lock	same for groups of circuit breakers	1
GW 98 487	Locking with padlock		1



### MECHANICAL INTERLOCKING BETWEEN TWO CIRCUIT-BREAKERS

Code	Installation	Pack Carton
<b>SUITABLE FOR: MTS/MTSM 250</b>		
GW 98 372	Side	1
GW 98 373	Overlapping	1
<b>SUITABLE FOR: MTSE 250</b>		
GW 98 374	Side	1
GW 98 375	Overlapping	1
<b>SUITABLE FOR: MTS(E) 630</b>		
GW 98 376	Side	1
GW 98 377	Overlapping	1
<b>SUITABLE FOR: MTS(E)/MTSM 800</b>		
GW 98 378	Side	1
GW 98 379	Overlapping	1
<b>SUITABLE FOR: MTSE/MTSM 1600</b>		
GW 98 380	Side	1
GW 98 398	Overlapping	1

## MECHANICAL ACCESSORIES

### CONNECTION TERMINALS



#### EXTENDED FRONT TERMINALS

Code	Rated current (A)	Number of terminals	Pack Carton
<b>SUITABLE FOR: MTS 160</b>			
GW 98 041	160	6	1
GW 98 042	160	8	1
<b>SUITABLE FOR: MTS(E)/MTSM 250</b>			
GW 98 381	250	3	1
GW 98 382	250	4	1
<b>SUITABLE FOR: MTS(E) 630</b>			
GW 98 383	400	3	1
GW 98 384	400	4	1
<b>SUITABLE FOR: MTS(E) 800</b>			
GW 98 385	630	3	1
GW 98 386	630	4	1
GW 98 387	800	3	1
GW 98 388	800	4	1
<b>SUITABLE FOR: MTSE 1600</b>			
GW 98 389	1600	3	1
GW 98 390	1600	4	1



### OPEN EXTENDED FRONT TERMINALS

Code	Type	Rated current (A)	Number of terminals	Pack Carton
<b>SUITABLE FOR: MTS(E)/MTSM 250</b>				
GW 98 391		250	3	1
GW 98 392		250	4	1
<b>SUITABLE FOR: MTS(E) 630</b>				
GW 98 393		630	3	1
GW 98 394		630	4	1
<b>SUITABLE FOR: MTS(E)/MTSM 800</b>				
GW 98 395	1/2 kit upper	800	3	1
GW 98 396	1/2 kit lower	800	3	1
GW 98 397		800	4	1
<b>SUITABLE FOR: MTSE/MTSM 1600</b>				
GW 98 399	1/2 kit upper	1600	3	1
GW 98 400	1/2 kit lower	1600	3	1
GW 98 401		1600	4	1



### FRONT TERMINALS FOR COPPER CABLES

Code	Rated current (A)	Number of terminals	Pack Carton
<b>SUITABLE FOR: MTS(E)/MTSM 250</b>			
GW 98 403	250	3	1
GW 98 404	250	4	1
<b>SUITABLE FOR: MTS(E) 630</b>			
GW 98 405	400	3	1
GW 98 406	400	4	1
GW 98 407	630	3	1
GW 98 408	630	4	1



### FRONT TERMINALS FOR CABLES IN COPPER - ALUMINIUM

Code	Cable section	Rated current (A)	Number of terminals	Pack Carton
<b>SUITABLE FOR: MTS 160</b>				
GW 98 043	2,5 - 50 mm <sup>2</sup>	160	3	1
GW 98 044	2,5 - 50 mm <sup>2</sup>	160	4	1
GW 98 045	35 - 95 mm <sup>2</sup>	160	3	1
GW 98 046	35 - 95 mm <sup>2</sup>	160	4	1
<b>SUITABLE FOR: MTS(E) 250</b>				
GW 98 409	1x95 mm <sup>2</sup>	160	3	1
GW 98 410	1x95 mm <sup>2</sup>	160	4	1
GW 98 411	1x150 mm <sup>2</sup>	250	3	1
GW 98 412	1x150 mm <sup>2</sup>	250	4	1
<b>SUITABLE FOR: MTS(E) 630</b>				
GW 98 413	2x120 mm <sup>2</sup>	400	3	1
GW 98 414	2x120 mm <sup>2</sup>	400	4	1
GW 98 415	1x240 mm <sup>2</sup>	400	3	1
GW 98 416	1x240 mm <sup>2</sup>	400	4	1
<b>SUITABLE FOR: MTS(E)/MTSM 800</b>				
GW 98 417	2x240 mm <sup>2</sup>	630	3	1
GW 98 418	2x240 mm <sup>2</sup>	630	4	1
GW 98 419	3x185 mm <sup>2</sup>	800	3	1
GW 98 420	3x185 mm <sup>2</sup>	800	4	1
<b>SUITABLE FOR: MTSE/MTSM 1600</b>				
GW 98 421	4x240 mm <sup>2</sup>	1250	3	1
GW 98 422	4x240 mm <sup>2</sup>	1250	4	1



### THREADED REAR TERMINALS

Code	Rated current (A)	Number of terminals	Pack Carton
<b>SUITABLE FOR: MTS 160</b>			
GW 98 047	160	6	1
GW 98 048	160	8	1
<b>SUITABLE FOR: MTS(E)/MTSM 250</b>			
GW 98 425	250	3	1
GW 98 426	250	4	1

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THREADED REAR TERMINALS

Code	Rated current (A)	Number of terminals	Pack Carton
<b>SUITABLE FOR: MTS(E) 630</b>			
GW 98 427	400	3	1
GW 98 428	400	4	1
GW 98 429	630	3	1
GW 98 430	630	4	1
<b>SUITABLE FOR: MTS(E)/MTSM 800</b>			
GW 98 431	800	3	1
GW 98 432	800	4	1

REAR THREADED TERMINALS FOR RESIDUAL CURRENT RELEASE MOUNTED UNDER CIRCUIT BREAKER



Code	Rated current (A)	Number of terminals	Pack Carton
<b>SUITABLE FOR: MTS 250</b>			
GW 98 433	250	4	1

REAR TERMINALS FOR CABLES IN COPPER OR ALUMINIUM



Code	Cable section	Rated current (A)	Number of terminals	Pack Carton
<b>SUITABLE FOR: MTS(E)/MTSM 250</b>				
GW 98 436	1x120 mm <sup>2</sup>	250	3	1
GW 98 437	1x120 mm <sup>2</sup>	250	4	1
<b>SUITABLE FOR: MTS(E) 630</b>				
GW 98 438	1x240 mm <sup>2</sup>	400	3	1
GW 98 439	1x240 mm <sup>2</sup>	400	4	1
<b>SUITABLE FOR: MTS(E)/MTSM 800</b>				
GW 98 440	2x150 mm <sup>2</sup>	630	3	1
GW 98 441	2x150 mm <sup>2</sup>	630	4	1
GW 98 442	3x240 mm <sup>2</sup>	800	3	1
GW 98 443	3x240 mm <sup>2</sup>	800	4	1

FLAT REAR TERMINALS HORIZONTAL OR VERTICAL



Code	Rated current (A)	Number of terminals	Pack Carton
<b>SUITABLE FOR: MTSE/MTSM 1600</b>			
GW 98 434		3	1
GW 98 435		4	1

ISOLATING TERMINAL COVERS



Code	No. poles	Type	Pack Carton
<b>SUITABLE FOR: MTS 160</b>			
GW 98 049	3P	High for fixed	1
GW 98 051	3P	Low for fixed and movable part of plug-in version	1
GW 98 050	4P	High for fixed	1
GW 98 052	4P	Low for fixed and movable part of plug-in version	1
<b>SUITABLE FOR: MTS(E)/MTSM 250</b>			
GW 98 444	3P	High for fixed	1
GW 98 445	3P	Low for fixed and movable part of plug-in or withdr. version	1
GW 98 446	4P	High for fixed	1
GW 98 447	4P	Low for fixed and movable part of plug-in or withdr. version	1
<b>SUITABLE FOR: MTS(E) 630</b>			
GW 98 448	3P	High for fixed	1
GW 98 449	3P	Low for fixed and movable part of plug-in or withdr. version	1
GW 98 450	4P	High for fixed	1
GW 98 451	4P	Low for fixed and movable part of plug-in or withdr. version	1

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ISOLATING TERMINAL COVERS

Code	No. poles	Type	Pack Carton
<b>SUITABLE FOR: MTS(E)/MTSM 800</b>			
GW 98 452	3P	High for fixed	1
GW 98 453	3P	Low for fixed and movable part of withdrawable version	1
GW 98 454	4P	High for fixed	1
GW 98 455	4P	Bassi per fisso e parte mobile di estr.	1
<b>SUITABLE FOR: MTSE/MTSM 1600</b>			
GW 98 456	3P	Low for fixed and movable part of withdrawable version	1
GW 98 457	4P	Low for fixed and movable part of withdrawable version	1

SCREWS FOR SEALING TERMINAL COVERS



Code	Suitable for	Pack Carton
GW 98 053	MTS 160	1
GW 98 370	MTS(E) 250 MTS(E) 630 MTS(E) 800 MTSE 1600	1

## ACCESSORIES FOR TRANSFORMING FROM REMOVABLE TO EXTRACTABLE



KIT FOR TRANSFORMING FROM PLUG-IN TO WITHDRAWABLE

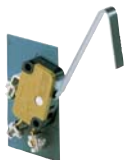
Code	Suitable for	Pack Carton
GW 98 475	MTS(E) 250	1
GW 98 476	MTS(E) 630	1

## ACCESSORIES FOR FIXED PART OF PLUG-IN OROR EXTRACTABLE CIRCUIT BREAKER



ISOLATING TERMINAL COVERS FOR FIXED PARTS

Code	No. poles	Rated current (A)	Pack Carton
<b>SUITABLE FOR: MTS(E) 250</b>			
GW 98 477	3P	250	1
GW 98 478	4P	250	1
<b>SUITABLE FOR: MTS(E) 630</b>			
GW 98 479	3P	400	1
GW 98 480	4P	400	1



POSITION CONTACTS

Code	Type of indicator	Pack Carton
<b>SUITABLE FOR: MTS(E) 250/630/800 MTSE 1600</b>		
GW 98 481	switch out	1
GW 98 482	switch out for digital signals	1
<b>SUITABLE FOR: ALL THE CB AND KNIFE SWITCHES</b>		
GW 98 483	switch in	1
GW 98 484	switch in for digital signals	1

## INSTALLATION ACCESSORIES



BRACKET FOR FIXING ON DIN RAIL

Code	No. poles	Type	Characteristics	Pack Carton
<b>SUITABLE FOR: MTS 160</b>				
GW 98 060	3P - 4P	DIN EN 50022		1
GW 98 061	3P - 4P	DIN EN 50022	With solenoid control	1
<b>SUITABLE FOR: MTS/MTSM 250</b>				
GW 98 488	3P	DIN EN 50023	Complete with front H=45 mm	1
GW 98 489	4P	DIN EN 50023	Complete with front H=45 mm	1



### IP54 SEAL FOR ROTARY HANDLE COMMAND ON DOOR

Code	Type	Pack Carton
<b>SUITABLE FOR: MTS 160</b>		
GW 98 062	Fixed distance	1
<b>SUITABLE FOR: All the CB AND KNIFE SWITCHES (EXCLUDING MTS 160)</b>		
GW 98 490	Adjustable distance	1

## ELECTRONIC ACCESSORIES

### ACCESSORIES FOR ELECTRONIC RELEASES



#### TEST UNIT

Code	Type	Pack Carton
GW 98 458	Test unit	1
GW 98 459	Test and configuration unit	1



#### CURRENT TRANSFORMER FOR NEUTRAL CONDUCTOR EXTERNAL TO CIRCUIT BREAKER

Code	Rated current (A)	Pack Carton
<b>SUITABLE FOR: MTSE 250</b>		
GW 98 464	100	1
GW 98 465	160	1
GW 98 466	250	1
<b>SUITABLE FOR: MTSE 630</b>		
GW 98 467	320	1
GW 98 468	400	1
GW 98 469	630	1
<b>SUITABLE FOR: MTSE 800</b>		
GW 98 470	630	1
GW 98 471	800	1
<b>SUITABLE FOR: MTSE 1600</b>		
GW 98 472	1000	1
GW 98 473	1250	1
GW 98 474	1600	1



#### CONNECTORS FOR CURRENT TRANSFORMERS FOR EXTERNAL NEUTRAL CONDUCTOR

Code	Description	For switch	Type	Pack Carton
GW 98 460	Connector X3	Fixed	SEP/A	1
GW 98 461	Connector X3, X4	Fixed	SEP/B	1
GW 98 462	Connector X3	Plug-in or withdrawable	SEP/A	1
GW 98 463	Connector X3, X4	Plug-in or withdrawable	SEP/B	1

For tripped signal relay and neutral protection.

### RDQ - BOARD RESIDUAL CURRENT RELAY



#### TOROID AND RESIDUAL CURRENT RELEASE

Code	Type	Diameter (mm)	Pack Carton
<b>SUITABLE FOR: MTSE 250 MTS(E) 630 MTS(E) 800 MTSE 1600</b>			
GW 98 491	Solid-core current transformer	60	1
GW 98 492	Solid-core current transformer	110	1
GW 98 493	Solid-core current transformer	185	1
GW 98 494	Split-core current transformer	110	1
GW 98 495	Split-core current transformer	180	1
GW 98 496	Split-core current transformer	230	1

**CHARACTERISTICS:** trip (I<sub>dn</sub>) and delay thresholds (dt) are adjustable:

I<sub>dn</sub> (A): 0,03 - 0,05 - 0,1 - 0,3 - 0,5 - 1 - 3 - 5 - 10 - 30.

dt (s): 0 - 0,1 - 0,2 - 0,3 - 0,5 - 0,7 - 1 - 2 - 3 - 5.



## STRUCTURES

### IP30 DISTRIBUTION BOARDS



PREASSEMBLED BOARDS IN PAINTED SHEET STEEL - COMPLETE WITH OUTFIT FOR MODULAR DEVICES - WITHOUT DOOR

Code	Functional dim. LxH (mm)	Depth D (mm)	No. EN 50022 modules	Dispersable power (W)	Pack Carton
GW 47 072	600x600	105+25	96 (4x24)	162	1
GW 47 073	600x800	105+25	120 (5x24)	186	1
GW 47 074	600x1000	105+25	144 (6x24)	205	1

**NOTES:** dispersible power calculated according to CEI 23-49.

**ACCESSORIES SUPPLIED:** mortar guard. Service identification labels.

Front panels complete with EN 50022 (DIN 35) rail and fixing accessories. Module masks.

### IP40 DISTRIBUTION BOARDS



PREASSEMBLED BOARDS IN PAINTED SHEET STEEL - WITH OUTFIT FOR MODULAR DEVICES - SMOKED CURVED TEMPERED SAFETY GLASS DOOR EQUIPPED WITH 2 LOCKS

Code	Functional dim. LxH (mm)	Depth D (mm)	No. EN 50022 modules	Dispersable power (W)	Pack Carton
GW 47 082	600x600	105+65	96 (4x24)	110	1
GW 47 083	600x800	105+65	120 (5x24)	125	1
GW 47 084	600x1000	105+65	144 (6x24)	141	1

**NOTES:** dispersible power calculated according to CEI 23-49.

**ACCESSORIES SUPPLIED:** mortar guard. Service identification label.

Front panels complete with EN 50022 (DIN 35) rail and fixing accessories. Module masks. 2 double-finned keys.



PREASSEMBLED BOARDS IN PAINTED SHEET STEEL - COMPLETE WITH OUTFIT FOR MODULAR DEVICES - SOLID SHEET METAL DOOR EQUIPPED WITH 2 LOCKS

Code	Functional dim. LxH (mm)	Depth D (mm)	No. EN 50022 modules	Dispersable power (W)	Pack Carton
GW 47 087	600x600	105+34	96 (4x24)	115	1
GW 47 088	600x800	105+34	120 (5x24)	130	1
GW 47 089	600x1000	105+34	144 (6x24)	146	1

**NOTES:** dispersible power calculated according to CEI 23-49.

**ACCESSORIES SUPPLIED:** mortar guard. Service identification label.

Front panels complete with EN 50022 (DIN 35) rail and fixing accessories. Module masks. 2 double-finned keys.



## FRONT CONFIGURATION

### INSTALLATION KIT FOR COUNTRY-SPECIFIC DEVICES



FRONT PANELS WITH WINDOW COMPLETE WITH EN 50 022 RAILS AND PLATES FOR FIXING SUPPORT BASES FOR THE EDF BLUE TARIFF CONNECTING SWITCH - FRENCH STANDARD

Code	Suited for EN 50022	Dimension BxH	Pack Carton
GW 47 263	24 modules (2x12)	600x300	1/5

**ACCESSORIES SUPPLIED:** Module masks. Fixing accessories. Earthing set.

### FRONT PANELS



FRONT PANELS WITH WINDOW FOR MODULAR DEVICES

Code	Dimension BxH	Pack Carton
<b>MODULES: 24</b>		
GW 47 178	600 x 150	1/10
GW 47 179	600 x 200	1/10

**MODULES: 24**

GW 47 178 600 x 150

1/10

GW 47 179 600 x 200

1/10

**ACCESSORIES SUPPLIED:** module masks, pair of hinges.

**CHARACTERISTICS:** front panel colour Grey RAL 7035, in quick coupling insulation material with ergonomic socket-outlet colour Blue RAL 5003, prearrangement of the panels for rotation hinges (included).



SOLID FRONT PANELS

Code	Dimension BxH	Pack Carton
<b>MODULES: 24</b>		
GW 47 173	600x50	1/10
GW 47 174	600x150	1/10
GW 47 175	600x200	1/10

**MODULES: 24**

GW 47 173 600x50

1/10

GW 47 174 600x150

1/10

GW 47 175 600x200

1/10

**ACCESSORIES SUPPLIED:** 2 hinges.



FRONT PANELS FOR MEASURING INSTRUMENTS AND THREE-WAY SWITCHES

Code	Dimension BxH	3-way switch no. x hole Ø	Instruments N. x dimensions	Pack Carton
<b>MODULES: 24</b>				
GW 47 176	600x200	1 Ø9,5 mm	4 72x72 mm	1/10
GW 47 177	600x200	1 Ø9,5 mm	4 96x96 mm	1/10

**MODULES: 24**

GW 47 176 600x200 1 Ø9,5 mm

4 72x72 mm

1/10

GW 47 177 600x200 1 Ø9,5 mm

4 96x96 mm

1/10

**ACCESSORIES SUPPLIED:** 2 hinges.

## INTERNAL CONFIGURATION

### DIN RAIL KIT



DIN RAILS FOR MODULAR DEVICES AND TERMINALS COMPLETE WITH BRACKETS AND SUPPORTS FOR ASSEMBLY

Code	Section dim. HxD (mm)	Profile	Material	Pack Carton
<b>MODULES: 24</b>				
GW 47 251	35x15	EN 50022 (DIN 35)	Galvanized metal	1/10
GW 47 252	2x(35x7,5)	double EN 50022 (DIN 35)	Aluminium	1/10
GW 47 253	32x15	EN 50035 (G 32)	Galvanized metal	1/10

**MODULES: 24**

GW 47 251 35x15 EN 50022 (DIN 35)

Galvanized metal

1/10

GW 47 252 2x(35x7,5) double EN 50022 (DIN 35)

Aluminium

1/10

GW 47 253 32x15 EN 50035 (G 32)

Galvanized metal

1/10

## COMPLEMENTARY ITEMS

### ACCESSORIES



#### 2 HINGES FOR FRONT PANELS

Code	Fixing type	Angle of opening	Suitable for	Pack Carton
GW 47 191	Clip	90°	For panels H higher 50 mm	1/20

**ACCESSORIES SUPPLIED:** 1 panel closing plug.



#### SUPPORTS FOR THE FIXING OF WIRING TRUNKING

Code	Fixing type	Quantity	Pack Carton
GW 47 194	Clip on functional profile	2 pieces	1/20



#### BLANKING MODULE PROFILE IN PLASTIC MATERIAL - COLOUR GREY RAL 7035

Code	Modules	Pack Carton
GW 47 291	24	10

**CHARACTERISTICS:** clip fixing on DIN drilled panels.



#### DEPTH ADAPTOR

Code	Length (mm)	Pack Carton
GW 49 209	600	1

**APPLICATIONS:** compensation of the different installation depths of modular (90 range) and moulded-case (MTS 160 range) devices.



#### EARTH BAR WITH THREADED HOLES FOR THE CONNECTION OF EQUIPOTENTIAL BONDING

Code	Dimensions LxHxD (mm)	N.+ diam. of threaded holes	Step drilling	For distribution boards	Pack Carton
GW 47 193	575x20x5	24 x M6	18 mm	Flush and surface mounting	1/5

**ACCESSORIES SUPPLIED:** fixing accessories (2 screws and 2 nuts in cage M6). 24 tin-plated screws M6.



#### MISCELLANEOUS ACCESSORIES

Code	Description	Characteristics	Pack Carton
GW 46 447	Adhesive document pocket	dimensions 310x230 mm	1/10
GW 47 192	security lock	key with standardized code (Yale type)	1/10
GW 47 195	Nuts in cage	galvanized steel	10/100
GW 47 196	Aerosol spray	colour Grey RAL 7035	1/6
GW 47 296	Aerosol spray	colour Blue RAL 5003	1/6
GW 47 197	Set of 4 metal brackets	for fixing on plasterboard	1/10

### SPARE PARTS



#### SMOKED CURVED TEMPERED SAFETY GLASS DOORS FOR IP40 BOARDS

Code	For encl. dim.LxH (mm)	Pack Carton
GW 47 111	600x600	1
GW 47 112	600x800	1
GW 47 113	600x1000	1

**ACCESSORIES SUPPLIED:** 2 mounting pins. 2 double-fin keys.

# 47 CVX 160i RANGE

FLUSH-MOUNTING DISTRIBUTION BOARDS UP TO 160A

**GEWISS**



## SOLID DOORS IN PAINTED SHEET METAL FOR IP40 BOARDS

Code	For encl. dim.LxH (mm)	Pack Carton
GW 47 121	600x600	1
GW 47 122	600x800	1
GW 47 123	600x1000	1

**ACCESSORIES SUPPLIED:** 2 mounting pins, 2 double-fin keys.

47 CVX 160i RANGE

**THE INTEGRATED ELECTRICAL SYSTEM**

**GEWISS: WHEN THE TOTAL IS GREATER THAN THE SUM OF THE COMPONENT PARTS.**

**SAFETY, DESIGN, SERVICE**

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◆=May 2004

●=March 2004

# 47 CVX 160 RANGE

SURFACE-MOUNTING DISTRIBUTION BOARDS UP TO 160A

**GEWISS**

47 CVX 160 RANGE



## STRUCTURES

### IP30 DISTRIBUTION BOARDS



ONE-PIECE BOARD IN PAINTED SHEET STEEL - COMPLETE WITH FRONT FINISHING FRAME IN PLASTIC - WITHOUT DOOR

Code	Functional dim. LxH (mm)	Depth D (mm)	Dispersable power (W)	Pack Carton
GW 47 001	600x600	170	170	1
GW 47 002	600x800	170	197	1
GW 47 003	600x1000	170	206	1
GW 47 004	600x1200	170	213	1

**NOTES:** dispersible power calculated according to CEI 23-49.

**ACCESSORIES SUPPLIED:** 4 brackets complete with screws for wall fixing. 4 cable gland plates (upper, lower and side) complete with fixing screws.

### IP40 DISTRIBUTION BOARDS



ONE-PIECE BOARDS IN PAINTED SHEET STEEL - SMOKED CURVED TEMPERED SAFETY GLASS DOOR EQUIPPED WITH 2 LOCKS

Code	Functional dim. LxH (mm)	Depth D (mm)	Dispersable power (W)	Pack Carton
GW 47 011	600x600	170	140	1
GW 47 012	600x800	170	165	1
GW 47 013	600x1000	170	176	1
GW 47 014	600x1200	170	180	1

**NOTES:** dispersible power calculated according to CEI 23-49.

**ACCESSORIES SUPPLIED:** 4 brackets complete with screws for wall fixing. 4 cable gland plates (upper, lower and side) complete with fixing screws. 2 double-fin keys.



ONE-PIECE BOARDS IN PAINTED SHEET STEEL - SOLID SHEET METAL DOOR EQUIPPED WITH 2 LOCKS

Code	Functional dim. LxH (mm)	Depth D (mm)	Dispersable power (W)	Pack Carton
GW 47 021	600x600	170	146	1
GW 47 022	600x800	170	168	1
GW 47 023	600x1000	170	176	1
GW 47 024	600x1200	170	181	1

**NOTES:** dispersible power calculated according to CEI 23-49.

**ACCESSORIES SUPPLIED:** 4 brackets complete with screws for wall fixing. 4 cable gland plates (upper, lower and side) complete with fixing screws. 2 double-fin keys.

### IP55 DISTRIBUTION BOARDS



ONE-PIECE BOARDS IN PAINTED SHEET STEEL - SMOKED CURVED TEMPERED SAFETY GLASS DOOR EQUIPPED WITH 2 LOCKS

Code	Functional dim. LxH (mm)	Depth D (mm)	Dispersable power (W)	Pack Carton
GW 47 031	600x600	170	123	1
GW 47 032	600x800	170	135	1

TO BE CONTINUED ON NEXT PAGE

●=March 2004

❖=May 2004

# 47 CVX 160 RANGE

SURFACE-MOUNTING DISTRIBUTION BOARDS UP TO 160A

**GEWISS**

47 CVX 160 RANGE

(TO BE CONTINUED)

ONE-PIECE BOARDS IN PAINTED SHEET STEEL -  
SMOKED CURVED TEMPERED SAFETY GLASS DOOR EQUIPPED WITH 2 LOCKS

Code	Functional dim. LxH (mm)	Depth D (mm)	Dispersable power (W)	Pack Carton
GW 47 033	600x1000	170	142	1
GW 47 034	600x1200	170	146	1

**NOTES:** dispersible power calculated according to CEI 23-49.

**ACCESSORIES SUPPLIED:** 4 brackets complete with screws for wall fixing. 4 cable gland plates (upper, lower and side). 2 double-fin keys.

**CHARACTERISTICS:** sealing gasket applied on door and cable gland plates.



ONE-PIECE BOARDS IN PAINTED SHEET STEEL - SOLID SHEET METAL DOOR EQUIPPED WITH 2 LOCKS

Code	Functional dim. LxH (mm)	Depth D (mm)	Dispersable power (W)	Pack Carton
GW 47 041	600x600	170	124	1
GW 47 042	600x800	170	136	1
GW 47 043	600x1000	170	144	1
GW 47 044	600x1200	170	148	1

**NOTES:** dispersible power calculated according to CEI 23-49.

**ACCESSORIES SUPPLIED:** 4 brackets complete with screws for wall fixing. 4 cable gland plates (upper, lower and side) complete with fixing screws. 2 double-fin keys.

**CHARACTERISTICS:** sealing gasket applied on door and cable gland plates.

## IP65 DISTRIBUTION BOARDS



ONE-PIECE BOARDS IN PAINTED SHEET STEEL -  
SOLID SHEET METAL DOOR EQUIPPED WITH ROD-MECHANISM LOCK

Code	Functional dim. LxH (mm)	Depth D (mm)	Dispersable power (W)	Pack Carton
GW 47 062	600x800	170	131	1
GW 47 063	600x1000	170	138	1
GW 47 064	600x1200	170	143	1

**NOTES:** dispersible power calculated according to CEI 23-49.

**ACCESSORIES SUPPLIED:** 4 brackets complete with screws for wall fixing. Key in Zn+Al+Mg alloy.

**CHARACTERISTICS:** sealing gasket applied on door. Single lock with transmission mechanism shaft with 4 closure points on door.

## FRONT CONFIGURATION

### KIT FOR THE INSTALLATION OF DEVICES ON DIN RAILS



KIT FOR INSTALLING MODULAR AND MOULDED-CASE DEVICES (90 RANGE) UP TO 160A (MTS 160 RANGE)  
COMPLETE WITH FRONT PANELS WITH WINDOW AND MOUNTING RAIL DIN EN 50 022 (DIN 35)

Code	Dimension BxH	Section dim. HxD (mm)	Pack Carton
<b>MODULES: 24</b>			
GW 47 171	600x150	35x15	1/10
GW 47 172	600x200	35x15	1/8

**ACCESSORIES SUPPLIED:** module masks. Pair of hinges. Galvanised sheet metal EN 50022 (DIN 35) rail adjustable in depth.

**CHARACTERISTICS:** front panel colour Grey RAL 7035 in quick coupling insulation material with ergonomic socket-outlet colour Blue RAL 5003, prearrangement of the panels for rotation hinges (included).

**NOTES:** the special kit for fixing the MTS 160 to the DIN rail is supplied with the residual current device; should an MTS 160 be mounted without a residual current device, order code GW98060 or GW98061 in the case of solenoid control. Combining modular and boxed devices requires the depth adapter GW49209.

### INSTALLATION KIT FOR FIXED MOULDED-CASE DEVICES ON PLATE



INSTALLATION KIT FOR MOULDED-CASE DEVICES UP TO 160A (MTS 160 RANGE)  
COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE

Code	Dimension BxH	For switch	No. poles	Type	Installation	Pack Carton
<b>MODULES: 24</b>						
GW 47 274	600x200	MTS 160	3P	RCB	Horizontal	1/5
GW 47 275	600x200	MTS 160	4P	RCB	Horizontal	1/5
GW 47 276	600x200	MTS 160	4P	RCB+RCCB	Horizontal	1/5

**ACCESSORIES SUPPLIED:** galvanised sheet steel plate. Fixing accessories.

◆=May 2004

●=March 2004

## INSTALLATION KIT FOR COUNTRY-SPECIFIC DEVICES



### FRONT PANEL COMPLETE WITH MOUNTING RAILS EN 50 022 AND ENCLOSURE FOR HOUSING POWER LIMITING CIRCUIT BREAKER ICP IN=40A - SPANISH STANDARD

Code	Suited for EN 50022	Dimension BxH	No. EN 50022 mod. ICP sect.	Pack Carton
GW 47 261	36 modules (2x18)	600x300	4	1/5

**ACCESSORIES SUPPLIED:** enclosure for housing "ICP" power limiting circuit breaker with UNESA 1407-D classification, CS-ICP 32. Module masks. Fixing accessories.



### FRONT PANELS WITH WINDOW COMPLETE WITH EN 50 022 RAILS AND PLATES FOR FIXING SUPPORT BASES FOR THE EDF BLUE TARIFF CONNECTING SWITCH - FRENCH STANDARD

Code	Suited for EN 50022	Dimension BxH	Pack Carton
GW 47 262	24 modules (2x12)	600x300	1/5

**ACCESSORIES SUPPLIED:** module masks. Fixing accessories. Earthing set.

**CHARACTERISTICS:** plate in pre-galvanised material with prearrangement for installing the main switch; possibility of mounting modular devices or DIN coupling components on EN 50022 side profiles; painted sheet metal panels (Grey RAL 7035).

**NOTES:** they allow 40 CD range support bases to be installed. (GW40511, GW40512, GW40513, GW40514) for EDF switch and electronic meter.

## FRONT PANELS



### FRONT PANELS WITH WINDOW FOR MODULAR DEVICES

Code	Dimension BxH	Pack Carton
<b>MODULES: 24</b>		
GW 47 178	600 x 150	1/10
GW 47 179	600 x 200	1/10

**ACCESSORIES SUPPLIED:** module masks, pair of hinges.

**CHARACTERISTICS:** front panel colour Grey RAL 7035, in quick coupling insulation material with ergonomic socket-outlet colour Blue RAL 5003, prearrangement of the panels for rotation hinges (included).



### SOLID FRONT PANELS

Code	Dimension BxH	Pack Carton
<b>MODULES: 24</b>		
GW 47 173	600x50	1/10
GW 47 174	600x150	1/10
GW 47 175	600x200	1/10

**ACCESSORIES SUPPLIED:** 2 hinges.



### FRONT PANELS FOR MEASURING INSTRUMENTS AND THREE-WAY SWITCHES

Code	Dimension BxH	3-way switch no. x hole Ø	Instruments N. x dimensions	Pack Carton
<b>MODULES: 24</b>				
GW 47 176	600x200	1 Ø9,5 mm	4 72x72 mm	1/10
GW 47 177	600x200	1 Ø9,5 mm	4 96x96 mm	1/10

**ACCESSORIES SUPPLIED:** 2 hinges.



## INTERNAL CONFIGURATION

### DIN RAIL KIT



#### DIN RAILS FOR MODULAR DEVICES AND TERMINALS COMPLETE WITH BRACKETS AND SUPPORTS FOR ASSEMBLY

Code	Section dim. HxD (mm)	Profile	Material	Pack Carton
<b>MODULES: 24</b>				
GW 47 181	35x15	EN 50022 (DIN 35)	Galvanized metal	1/10
GW 47 183	2x(35x7,5)	double EN 50022 (DIN 35)	Aluminium	1/10
GW 47 182	32x15	EN 50035 (G 32)	Galvanized metal	1/10

### BACK-MOUNTING PLATES



#### BACK-MOUNTING PLATES FOR NON-MODULAR DEVICES COMPLETE WITH MOUNTING SUPPORTS

Code	Dimension BxH	No. mounting straps	Pack Carton
<b>MODULES: 24</b>			
GW 47 186	600x200	2	1/5
GW 47 187	600x400	4	1/5

**ACCESSORIES SUPPLIED:** support brackets and relative fixing accessories.

## COMPLEMENTARY ITEMS

### ACCESSORIES



#### 2 HINGES FOR FRONT PANELS

Code	Fixing type	Angle of opening	Suitable for	Pack Carton
GW 47 191	Clip	90°	For panels H higher 50 mm	1/20

**ACCESSORIES SUPPLIED:** 1 panel closing plug.



#### SUPPORTS FOR THE FIXING OF WIRING TRUNKING

Code	Fixing type	Quantity	Pack Carton
GW 47 194	Clip on functional profile	2 pieces	1/20



#### BLANKING MODULE PROFILE IN PLASTIC MATERIAL - COLOUR GREY RAL 7035

Code	Modules	Pack Carton
GW 47 291	24	10

**CHARACTERISTICS:** clip fixing on DIN drilled panels.



#### DEPTH ADAPTOR

Code	Length (mm)	Pack Carton
GW 49 209	600	1

**APPLICATIONS:** compensation of the different installation depths of modular (90 range) and moulded-case (MTS 160 range) devices.



#### EARTH BAR WITH THREADED HOLES FOR THE CONNECTION OF EQUIPOTENTIAL BONDING

Code	Dimensions LxHxD (mm)	N.+ diam. of threaded holes	Step drilling	For distribution boards	Pack Carton
GW 47 193	575x20x5	24 x M6	18 mm	Flush and surface mounting	1/5

**ACCESSORIES SUPPLIED:** fixing accessories (2 screws and 2 nuts in cage M6), 24 tin-plated screws M6.



### MISCELLANEOUS ACCESSORIES

Code	Description	Characteristics	Pack Carton
GW 46 447	Adhesive document pocket	dimensions 310x230 mm	1/10
GW 47 192	security lock	key with standardized code (Yale type)	1/10
GW 47 195	Nuts in cage	galvanized steel	10/100
GW 47 196	Aerosol spray	colour Grey RAL 7035	1/6
GW 47 296	Aerosol spray	colour Blue RAL 5003	1/6

## SPARE PARTS



### SMOKED CURVED TEMPERED SAFETY GLASS DOORS FOR IP40 BOARDS

Code	For encl. dim.LxH (mm)	Pack Carton
GW 47 111	600x600	1
GW 47 112	600x800	1
GW 47 113	600x1000	1
GW 47 114	600x1200	1

**ACCESSORIES SUPPLIED:** 2 mounting pins. 2 double-fin keys.



### SOLID DOORS IN PAINTED SHEET METAL FOR IP40 BOARDS

Code	For encl. dim.LxH (mm)	Pack Carton
GW 47 121	600x600	1
GW 47 122	600x800	1
GW 47 123	600x1000	1
GW 47 124	600x1200	1

**ACCESSORIES SUPPLIED:** 2 mounting pins. 2 double-fin keys.



### DOORS IN CURVED SMOKED TEMPERED SAFETY GLASS FOR IP55 SURFACE-MOUNTING BOARDS

Code	For encl. dim.LxH (mm)	Pack Carton
GW 47 131	600x600	1
GW 47 132	600x800	1
GW 47 133	600x1000	1
GW 47 134	600x1200	1

**Standard ACCESSORIES SUPPLIED:** 2 mounting pins. 2 double-fin keys.



### SOLID DOORS IN PAINTED SHEET METAL FOR IP55 SURFACE-MOUNTING BOARDS

Code	For encl. dim.LxH (mm)	Pack Carton
GW 47 141	600x600	1
GW 47 142	600x800	1
GW 47 143	600x1000	1
GW 47 144	600x1200	1

**ACCESSORIES SUPPLIED:** 2 mounting pins. 2 double-fin keys.



### SOLID DOORS IN PAINTED SHEET STEEL FOR IP65 SURFACE-MOUNTING BOARDS - EQUIPPED WITH ROD-MECHANISM CLOSURES

Code	For encl. dim.LxH (mm)	Pack Carton
GW 47 162	600x800	1
GW 47 163	600x1000	1
GW 47 164	600x1200	1

**ACCESSORIES SUPPLIED:** 4 mounting pins. Key in Zn+Al+Mg alloy.



### CABLE GLAND PLATES FOR SURFACE-MOUNTING IP40 AND IP55 BOARDS

Code	Description	Material	Pack Carton
GW 47 198	Top/bottom plate	Plastic	1/10
GW 47 199	Side plate	Plastic	1/10



# 47 CVX 250 RANGE

SURFACE-MOUNTING DISTRIBUTION BOARDS UP TO 250A

GEWISS

47 CVX 250 RANGE



## STRUCTURES

### IP40 DISTRIBUTION BOARDS



ONE-PIECE BOARDS IN PAINTED SHEET STEEL -  
SMOKED CURVED TEMPERED SAFETY GLASS DOOR EQUIPPED WITH 2 LOCKS

Code	Functional dim. LxH (mm)	Depth D (mm)	Dispersable power (W)	Pack Carton
GW 47 015	600x1000	255	180	1
GW 47 016	600x1200	255	224	1

**NOTES:** dispersible power calculated according to CEI 23-49.

**ACCESSORIES SUPPLIED:** 4 brackets complete with screws for wall fixing. 4 cable gland plates (upper, lower and side) complete with fixing screws. 2 double-fin keys.

### IP55 DISTRIBUTION BOARDS



ONE-PIECE BOARDS IN PAINTED SHEET STEEL -  
SMOKED CURVED TEMPERED SAFETY GLASS DOOR EQUIPPED WITH 2 LOCKS

Code	Functional dim. LxH (mm)	Depth D (mm)	Dispersable power (W)	Pack Carton
GW 47 035	600x1000	255	160	1
GW 47 036	600x1200	255	200	1

**NOTES:** dispersible power calculated according to CEI 23-49.

**ACCESSORIES SUPPLIED:** 4 brackets complete with screws for wall fixing. 4 cable gland plates (upper, lower and side). 2 double-fin keys.

**CHARACTERISTICS:** sealing gasket applied on door and cable gland plates.

On portal  
FAQ

The answers to the most frequently asked questions (FAQs) concerning products, installation systems, standards and software

[www.gewiss.com](http://www.gewiss.com)

◆=May 2004

●=March 2004

## FRONT CONFIGURATION

### KIT FOR THE INSTALLATION OF DEVICES ON DIN RAILS



KIT FOR INSTALLING MODULAR AND MOULDED-CASE DEVICES (90 RANGE) UP TO 160A (MTS 106 RANGE) COMPLETE WITH FRONT PANELS WITH WINDOW AND MOUNTING RAIL DIN EN 50 022 (DIN 35)

Code	Dimension BxH	Section dim. HxD (mm)	Pack Carton
<b>MODULES: 24</b>			
GW 47 501	600x150	2x(35x7,5)	1/5
GW 47 502	600x200	2x(35x7,5)	1/5
GW 47 503	600x300	2x(35x7,5)	1/5

**ACCESSORIES SUPPLIED:** module masks, 2 hinges, EN 50022 (DIN 35) rail in depth adjustable galvanised sheet metal.

**NOTE:** the special rail-fixing kit is supplied with the residual current block; in the event of mounting a circuit breaker without a residual current block, order code GW98060 or GW98061.



INSTALLATION KIT FOR MOULDED-CASE DEVICES MTS/M RANGE 250 A COMPLETE WITH FRONT PANELS WITH WINDOW AND MOUNTING PLATE WITH RAIL DIN EN 50 023

Code	Dimension BxH	Suitable for	No. poles	Installation	Pack Carton
GW 47 551	600x300	MTS 250/MTSM 250	3P - 4P	Vertical	1

**ACCESSORIES SUPPLIED:** galvanised sheet metal support plate with DIN EN 50023 rail; crosspieces, supports and fixing accessories.

**NOTE:** the special rail-fixing kit is supplied with the residual current block; in the event of mounting a circuit breaker without a residual current block, order code GW98488 or GW98489.

### INSTALLATION KIT FOR FIXED MOULDED-CASE DEVICES ON PLATE



INSTALLATION KIT FOR BOXED SWITCH UP TO 250A IN FIXED POSITION COMPLETE WITH PERFORATED FRONT PANELS, CROSSPIECES AND FIXING PLATES

Code	Dimension BxH	Suitable for	No. poles	Installation	Pack Carton
<b>MODULES: 24</b>					
GW 47 572	600x200	MTS 160	3P	Horizontal	1
GW 47 573	600x200	MTS 160	4P	Horizontal	1
GW 47 574	600x200	MTS 250/MTSM 250	3P - 4P	Horizontal	1
GW 47 575	600x200	MTSE 250	3P - 4P	Horizontal	1
GW 47 561	600x400	MTS 250/MTSM 250	3P - 4P	Vertical	1
GW 47 562	600x400	MTSE 250	3P - 4P	Vertical	1

**ACCESSORIES SUPPLIED:** galvanised sheet metal support plate; crosspieces, supports and fixing accessories.



INSTALLATION KIT FOR MOULDED-CASE DEVICES UP TO 250A WITH RESIDUAL CURRENT BLOCK - COMPLETE WITH PERFORATED FRONT PANEL, CROSSPIECES AND FIXING PLATE

Code	Dimension BxH	Suitable for	No. poles	Installation	Pack Carton
<b>MODULES: 24</b>					
GW 47 582	600x200	MTS 160	4P	Horizontal	1
GW 47 584	600x300	MTS 250	3P - 4P	Horizontal	1

**ACCESSORIES SUPPLIED:** galvanised sheet metal support plate; crosspieces, supports and fixing accessories.

### FRONT PANELS



FRONT PANELS WITH WINDOW FOR MODULAR DEVICES

Code	Dimension BxH	Pack Carton
<b>MODULES: 24</b>		
GW 47 283	600x150	1/5
GW 47 284	600x200	1/5
GW 47 285	600x300	1/2

**ACCESSORIES SUPPLIED:** module masks, 2 hinges.

# 47 CVX 250 RANGE

SURFACE-MOUNTING DISTRIBUTION BOARDS UP TO 250A

**GEWISS**

47 CVX 250 RANGE



## SOLID FRONT PANELS

Code	Dimension BxH	Pack Carton
<b>MODULES: 24</b>		
GW 47 511	600x50	1/5
GW 47 512	600x150	1/5
GW 47 513	600x200	1/5
GW 47 514	600x400	1/2
GW 47 515	600x600	1/2

**ACCESSORIES SUPPLIED:** fixing accessories.

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035; earthing for contact; unlosable fixing screws prearrangement of the panels, except GW47511 and GW47521, for rotation hinges.



## FRONT PANELS FOR MEASURING INSTRUMENTS AND THREE-WAY SWITCHES

Code	Dimension BxH	3-way switch no. x hole Ø	Instruments N. x dimensions	Pack Carton
<b>MODULES: 24</b>				
GW 47 531	600x200	2 Ø9,5 mm	2 72x72 mm	1/5
GW 47 532	600x200	2 Ø9,5 mm	2 96x96 mm	1/5
GW 47 533	600x200	1 Ø9,5 mm	4 72x72 mm	1/5
GW 47 534	600x200	1 Ø9,5 mm	4 96x96 mm	1/5

**ACCESSORIES SUPPLIED:** 2 hinges.

## INTERNAL CONFIGURATION

### DIN RAIL KIT



## RAILS DIN FOR MODULAR DEVICES AND TERMINALS COMPLETE WITH BRACKETS AND SUPPORTS FOR ASSEMBLY

Code	Section dim. HxD (mm)	Profile	Material	Pack Carton
<b>MODULES: 24</b>				
GW 47 681	35x15	EN 50022 (DIN 35)	Galvanized metal	1/5
GW 47 685	2x(35x7,5)	double EN 50022 (DIN 35)	Aluminium	1/5
GW 47 682	32x15	EN 50035 (G 32)	Galvanized metal	1/5

### BACK-MOUNTING PLATES



## BACK-MOUNTING PLATES FOR NON-MODULAR DEVICES COMPLETE WITH MOUNTING SUPPORTS

Code	Dimension BxH	Pack Carton
<b>MODULES: 24</b>		
GW 47 661	600x200	1
GW 47 662	600x400	1
GW 47 663	600x600	1

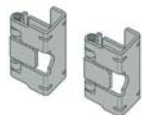


◆=May 2004

●=March 2004

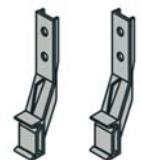
## COMPLEMENTARY ITEMS

### ACCESSORIES



#### PAIR OF METAL HINGES FOR FRONT PANELS

Code	Fixing type	Angle of opening	Suitable for	Pack Carton
GW 47 495	Screw-on	90°	For panels H higher 50 mm	1/10



#### WIRING TRUNKING SUPPORTS

Code	Description	Suitable for	Pack Carton
GW 49 201	N. 4 plastic supports	horizontal trunking	1/4

**NOTE:** quick coupling on functional profiles (25 mm pitch).



#### PLASTIC MODULE MASK PROFILE - COLOUR GREY RAL 7035

Code	Modules	Pack Carton
GW 47 291	24	10

**CHARACTERISTICS:** clip fixing on DIN drilled panels.



#### DEPTH ADAPTOR

Code	Length (mm)	Pack Carton
GW 49 209	600	1

**APPLICATIONS:** compensation of the different installation depths of modular (90 range) and moulded-case (MTS 160 range) devices.



#### MISCELLANEOUS ACCESSORIES

Code	Description	Characteristics	Pack Carton
GW 46 447	Adhesive document pocket	dimensions 310x230 mm	1/10
GW 47 192	security lock	key with standardized code (Yale type)	1/10
GW 47 195	Nuts in cage	galvanized steel	10/100
GW 47 196	Aerosol spray	colour Grey RAL 7035	1/6
GW 47 296	Aerosol spray	colour Blue RAL 5003	1/6

### SPARE PARTS



#### SMOKED CURVED TEMPERED SAFETY GLASS DOORS FOR IP40 BOARDS

Code	For encl. dim.LxH (mm)	Pack Carton
GW 47 113	600x1000	1
GW 47 114	600x1200	1

**ACCESSORIES SUPPLIED:** 2 mounting pins. 2 double-fin keys.



#### SOLID DOORS IN PAINTED SHEET METAL FOR IP40 BOARDS

Code	For encl. dim.LxH (mm)	Pack Carton
GW 47 123	600x1000	1
GW 47 124	600x1200	1

**ACCESSORIES SUPPLIED:** 2 mounting pins. 2 double-fin keys.

# 47 CVX 250 RANGE

SURFACE-MOUNTING DISTRIBUTION BOARDS UP TO 250A



## DOORS IN CURVED SMOKED TEMPERED SAFETY GLASS FOR IP55 BOARDS

Code	For encl. dim.LxH (mm)	Pack Carton
GW 47 133	600x1000	1
GW 47 134	600x1200	1

**Standard ACCESSORIES SUPPLIED:** 2 mounting pins. 2 double-fin keys.



## SOLID DOORS IN PAINTED SHEET METAL FOR IP55 BOARDS

Code	For encl. dim.LxH (mm)	Pack Carton
GW 47 143	600x1000	1
GW 47 144	600x1200	1

**ACCESSORIES SUPPLIED:** 2 mounting pins. 2 double-fin keys.



## CABLE GLAND PLATES FOR IP40 AND IP55 BOARDS

Code	Description	Material	Pack Carton
GW 47 292	Top/bottom plate	Metal	1

47 CVX 250 RANGE



Software for the lighting design of internal and external installations and for the production of the documentation to supply to the client to support the design.

◆=May 2004

●=March 2004

# 47 CVX 630 RANGE

FLOOR-MOUNTING DISTRIBUTION BOARDS UP TO 630A



47 CVX 630 RANGE



## STRUCTURAL ELEMENTS

### ONE-PIECE STRUCTURES FOR SIDE-BY-SIDE MOUNTING

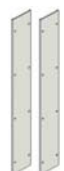


ONE-PIECE FLOOR-MOUNTING STRUCTURES FOR SIDE-BY-SIDE MOUNTING IN PAINTED SHEET STEEL COMPLETE WITH FUNCTIONAL FRAMES, CABLE GLAND PLATES AND INSPECTABLE BLOCK MOUNT

Code	Functional dim. LxH (mm)	Depth D (mm)	Pack Carton
GW 47 401	600x1400	280	1
GW 47 402	600x1800	280	1
GW 47 403	850x1800	280	1

**ACCESSORIES SUPPLIED:** 2 cable gland plates complete with fixing screws for enclosures L= 600 mm.  
6 cable gland plates complete with fixing screws for enclosures L= 850 mm.

### SIDE PANELS



PAIR OF SOLID SIDE PANELS IN PAINTED SHEET STEEL

Code	For structures HxD (mm)	Pack Carton
GW 47 411	1400x280	1
GW 47 412	1800x280	1

**ACCESSORIES SUPPLIED:** structure fixing screws.

**NOTES:** suitable for making distribution boards with IP30 and IP55 protection rating.



PAIR OF SIDE AERATION PANELS IN PAINTED SHEET STEEL

Code	For structures HxD (mm)	Pack Carton
GW 47 421	1400x280	1
GW 47 422	1800x280	1

**ACCESSORIES SUPPLIED:** structure fixing screws.

**APPLICATION:** finning for natural or forced aeration with IP30 protection rating.

### FRONT DOORS AND PROFILES



FRONT FINISHING PROFILES IN INSULATING MATERIAL FOR IP30 BOARDS WITHOUT DOOR

Code	For structures LxH (mm)	Pack Carton
GW 47 431	600x1400	1
GW 47 432	600x1800	1
GW 47 433	850x1800	1

**ACCESSORIES SUPPLIED:** 4 angle bars; 2 vertical profiles to measure; 2 horizontal profiles to measure.

**APPLICATIONS:** attractive finish for single and side-by-side structures in the IP30 doorless version.

●=March 2004

❖=May 2004

# 47 CVX 630 RANGE

FLOOR-MOUNTING DISTRIBUTION BOARDS UP TO 630A



47 CVX 630 RANGE



## CURVED TEMPERED SAFETY GLASS DOORS EQUIPPED WITH ROD-MECHANISM LOCK

Code	For structures LxH (mm)	Pack Carton
GW 47 451	600x1400	1
GW 47 452	600x1800	1
GW 47 453	850x1800	1

**ACCESSORIES SUPPLIED:** 4 mounting pins; key in Zn+Al+Mg alloy; IP seals applied on the door.

**CHARACTERISTICS:** possibility of replacing the turning handle closure with a security lock; possibility of mounting door with reversible opening (right/left) sheet metal painting colour Grey RAL 7035.



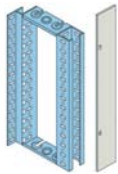
## SOLID PAINTED SHEET STEEL DOORS EQUIPPED WITH ROD-MECHANISM LOCK

Code	For structures LxH (mm)	Pack Carton
GW 47 461	600x1400	1
GW 47 462	600x1800	1
GW 47 463	850x1800	1

**ACCESSORIES SUPPLIED:** 4 mounting pins; key in Zn+Al+Mg alloy; IP55 seals applied on the door.

**CHARACTERISTICS:** possibility of replacing the turning handle closure with a security lock; possibility of mounting a door with reversible opening (right/left); sheet metal painting colour Grey RAL 7035.

## INTERNAL CABLE COMPARTMENT



### INTERNAL COMPARTMENT KIT COMPLET WITH FUNCTIONAL FRAME AND PANEL IN PAINTED SHEET STEEL

Code	For structures LxH (mm)	Pack Carton
GW 47 471	850x1800	1

**ACCESSORIES SUPPLIED:** functional frame with holes every 25 mm in galvanised sheet metal; panel in painted sheet metal colour Grey RAL 7035; 2 double-finned locks; 3 hinges; 1 double-finned key.

**CHARACTERISTICS:** possibility of mounting on right or left side of the distribution board B = 850 mm; possibility of right or left opening of the hinged cover panel.

## FRONT CONFIGURATION

### INSTALLATION KIT FOR DEVICES ON DIN RAIL



#### INSTALLATION KIT FOR MODULAR (90 RANGE) AND MOULDED-CASE DEVICES UP TO 160A (MTS 160 RANGE) COMPLETE WITH PANELS WITH WINDOW AND MOUNTING RAIL DIN EN 50 022 (DIN 35)

Code	Dimension BxH	Section dim. HxD (mm)	Pack Carton
<b>MODULES: 24</b>			
GW 47 501	600x150	2x(35x7,5)	1/5
GW 47 502	600x200	2x(35x7,5)	1/5
GW 47 503	600x300	2x(35x7,5)	1/5
<b>MODULES: 36</b>			
GW 47 506	850x150	2x(35x7,5)	1/5
GW 47 507	850x200	2x(35x7,5)	1/5
GW 47 508	850x300	2x(35x7,5)	1/5

**ACCESSORIES SUPPLIED:** double EN 50022 (DIN 35) aluminium rail; 2 screws for mounting the device-holder rail; 2 support brackets in galvanised sheet metal; fixing accessories.

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035M; earthing for contact; unlosable panel fixing screws; prearrangement of the panels for rotation hinges.

**NOTES:** the special kit for fixing the MTS 160 to the DIN rail is supplied with the residual current device; should the MTS 160 be mounted without a residual current device, order code GW98060 or GW98061 in the case of solenoid control. The combination of modular and boxed devices requires the depth adapter GW49209.



#### INSTALLATION KIT FOR MOULDED-CASE DEVICES MTS/M 250 A COMPLETE WITH PERFORATED FRONT PANEL AND MOUNTING PLATE WITH DIN EN 50 023 RAIL

Code	Dimension BxH	Suitable for	No. poles	Installation	Pack Carton
<b>MODULES: 24</b>					
GW 47 551	600x300	MTS 250/MTSM 250	3P - 4P	Vertical	1
<b>MODULES: 36</b>					
GW 47 552	850x300	MTS 250/MTSM 250	3P - 4P	Vertical	1

**ACCESSORIES SUPPLIED:** galvanised sheet metal support plate with DIN EN 50023 rail; crosspieces, supports and fixing accessories.

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035; earthing for contact; unlosable panel fixing screws; prearrangement of the panels for rotation hinges.

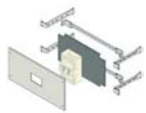
**APPLICATIONS:** installation of boxed devices in vertical fixed execution (also with side-by-side residual current devices) with DIN support.

**NOTES:** the special kit for fixing the MTS 250 to the DIN rail is supplied with the residual current device; should the MTS 250 be mounted without a residual current device, order code GW98488 (3P) or GW98489 (4P).

◆=May 2004

●=March 2004

## INSTALLATION KIT FOR FIXED MOULDED-CASE DEVICES ON PLATE



### INSTALLATION KIT FOR FIXED MOULDED-CASE DEVICES UP TO 630A - COMPLETE WITH PERFORATED FRONT PANEL, CROSSPIECES AND FIXING PLATE

Code	Dimension BxH	Suitable for	No. poles	Installation	Pack Carton
<b>MODULES: 24</b>					
GW 47 561	600x400	MTS 250/MTSM 250	3P - 4P	Vertical	1
GW 47 562	600x400	MTSE 250	3P - 4P	Vertical	1
GW 47 563	600 x 500	MTS 630/MTSE 630	3P - 4P	Vertical	1

**ACCESSORIES SUPPLIED:** galvanised sheet metal support plate; 2 crosspieces; fixing accessories.

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035; unlosable panel fixing screws; earthing for contact; devices are easy to secure with the threaded bushings on the mounting plate; prearrangement of the panels for rotation hinges.



### INSTALLATION KIT FOR FIXED MOULDED-CASE DEVICES UP TO 630A - COMPLETE WITH PERFORATED FRONT PANEL, CROSSPIECES AND FIXING PLATE

Code	Dimension BxH	Suitable for	No. poles	Installation	Pack Carton
<b>MODULES: 24</b>					
GW 47 572	600x200	MTS 160	3P	Horizontal	1
GW 47 573	600x200	MTS 160	4P	Horizontal	1
GW 47 574	600x200	MTS 250/MTSM 250	3P - 4P	Horizontal	1
GW 47 575	600x200	MTSE 250	3P - 4P	Horizontal	1
GW 47 576	600 x 300	MTS 630/MTSE 630	3P - 4P	Horizontal	1

#### MODULES: 36

GW 47 577	850 x 200	MTS 250/MTSM 250	3P - 4P	Horizontal	1
GW 47 578	850 x 200	MTSE 250	3P - 4P	Horizontal	1
GW 47 579	850 x 300	MTS 630/MTSE 630	3P - 4P	Horizontal	1

**ACCESSORIES SUPPLIED:** galvanised sheet metal support plate; crosspieces, supports and fixing accessories.

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035; unlosable panel fixing screws; earthing for contact; devices are easy to secure with the threaded bushings on the mounting plate; prearrangement of the panels for rotation hinges.



### INSTALLATION KIT FOR MOULDED-CASE DEVICES UP TO 250A WITH RESIDUAL CURRENT BLOCK IN FIXED EXECUTION - COMPLETE WITH PERFORATED FRONT PANEL, CROSSPIECES AND FIXING PLATE

Code	Dimension BxH	Suitable for	No. poles	Installation	Pack Carton
<b>MODULES: 24</b>					
GW 47 582	600x200	MTS 160	4P	Horizontal	1
GW 47 584	600x300	MTS 250	3P - 4P	Horizontal	1
<b>MODULES: 36</b>					
GW 47 583	850 x 200	MTS 160	4P	Horizontal	1
GW 47 585	850 x 300	MTS 250	3P - 4P	Horizontal	1

**ACCESSORIES SUPPLIED:** galvanised sheet metal support plate; crosspieces, supports and fixing accessories.

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035; unlosable panel fixing screws; earthing for contact; devices are easy to secure with the threaded bushings on the mounting plate; prearrangement of the panels for rotation hinges.

## FRONT PANELS



### FRONT PANELS WITH WINDOW FOR MODULAR DEVICES

Code	Dimension BxH	Pack Carton
<b>MODULES: 24</b>		
GW 47 283	600x150	1/5
GW 47 284	600x200	1/5
GW 47 285	600x300	1/2
<b>MODULES: 36</b>		
GW 47 286	850 x 150	1/2
GW 47 287	850 x 200	1/2
GW 47 288	850x300	1/2

**ACCESSORIES SUPPLIED:** module masks.



# 47 CVX 630 RANGE

FLOOR-MOUNTING DISTRIBUTION BOARDS UP TO 630A

**GEWISS**

47 CVX 630 RANGE

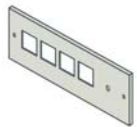


## SOLID FRONT PANELS

Code	Dimension BxH	Pack Carton
<b>MODULES: 24</b>		
GW 47 511	600x50	1/5
GW 47 512	600x150	1/5
GW 47 513	600x200	1/5
GW 47 514	600x400	1/2
GW 47 515	600x600	1/2
<b>MODULES: 36</b>		
GW 47 521	850 x 50	1/2
GW 47 522	850 x 150	1/2
GW 47 523	850 x 200	1/2
GW 47 524	850 x 400	1/2
GW 47 525	850 x 600	1/2

**ACCESSORIES SUPPLIED:** fixing accessories.

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035; earthing for contact; unlosable fixing screws; prearrangement of the panels, except GW47511 and GW47521, for rotation hinges.



## METAL FRONT PANELS FOR MEASURING INSTRUMENTS AND THREE-WAY SWITCHES

Code	Dimension BxH	3-way switch no. x hole Ø	Instruments N. x dimensions	Pack Carton
<b>MODULES: 24</b>				
GW 47 531	600x200	2 Ø9,5 mm	2 72x72 mm	1/5
GW 47 532	600x200	2 Ø9,5 mm	2 96x96 mm	1/5
GW 47 533	600x200	1 Ø9,5 mm	4 72x72 mm	1/5
GW 47 534	600x200	1 Ø9,5 mm	4 96x96 mm	1/5
<b>MODULES: 36</b>				
GW 47 536	850 x 200	2 Ø9,5 mm	2 72x72 mm	1/5
GW 47 537	850 x 200	2 Ø9,5 mm	2 96x96 mm	1/5
GW 47 538	850 x 200	1 Ø9,5 mm	4 72x72 mm	1/5
GW 47 539	850 x 200	1 Ø9,5 mm	4 96x96 mm	1/5

**ACCESSORIES SUPPLIED:** fixing accessories, pair of hinges.

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035; earthing for contact; unlosable fixing screws; prearrangement of the panels for rotation hinges (included).

**APPLICATIONS:** installation of ammeters, voltmeters, voltmeter/ammeter three-way switches and board residual current relay.



## AERATION FRONT PANELS

Code	Dimension BxH	Pack Carton
<b>MODULES: 24</b>		
GW 47 541	600x200	1/5
<b>MODULES: 36</b>		
GW 47 542	850x200	1/5

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035; earthing for contact; unlosable fixing screws; prearrangement of the panels for rotation hinges.

**APPLICATIONS:** natural ventilation on IP30 floor-mounting boards in combination with aerated side panels.

## ACCESSORIES



### DEPTH ADAPTOR

Code	Length (mm)	Pack Carton
GW 49 209	600	1

**APPLICATIONS:** compensation of the different installation depths of modular (90 range) and moulded-case (MTS 160 range) devices.



### MODULE MASK PROFILE IN PLASTIC MATERIAL - COLOUR GREY RAL 7035

Code	No. EN 50022 modules	Pack Carton
GW 47 291	24	10

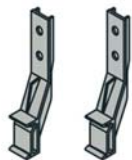
**CHARACTERISTICS:** clip fixing on DIN drilled front panels.

◆=May 2004

●=March 2004

# 47 CVX 630 RANGE

FLOOR-MOUNTING DISTRIBUTION BOARDS UP TO 630A

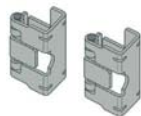


## WIRING TRUNKING SUPPORTS

Code	Description	Suitable for	Pack Carton
GW 49 201	N. 4 plastic supports	horizontal trunking	1/4

**APPLICATIONS:** horizontal mounting of wiring raceways up to 60x80 mm.

**NOTES:** the plastic support is fastened on the back of the double aluminium DIN rail.



## PAIR OF METAL HINGES FOR FRONT PANELS

Code	Fixing type	Angle of opening	Suitable for	Pack Carton
GW 47 495	Screw-on	90°	For panels H higher 50 mm	1/10

**ACCESSORIES SUPPLIED:** panel closure cap.

**CHARACTERISTICS:** additional earthing of the panel for contact.

**APPLICATIONS:** option of hinging front panels.

## INTERNAL CONFIGURATION

### DIN RAIL KIT



## SHEET STEEL RAILS FOR MODULAR DEVICES AND TERMINAL BLOCKS COMPLETE WITH FIXING SUPPORT

Code	Section dim. HxD (mm)	Material	Pack Carton
<b>MODULES: 24</b>			
GW 47 681	35x15	Galvanized metal	1/5
GW 47 685	2x(35x7,5)	Aluminium	1/5
GW 47 682	32x15	Galvanized metal	1/5
<b>MODULES: 36</b>			
GW 47 683	35x15	Galvanized metal	1/5
GW 47 686	2x(35x7,5)	Aluminium	1/5
GW 47 684	32x15	Galvanized metal	1/5

### BACK-MOUNTING PLATES



## BACK-MOUNTING PLATES FOR NON-MODULAR DEVICES COMPLETE WITH MOUNTING SUPPORTS

Code	Dimension BxH	Pack Carton
<b>MODULES: 24</b>		
GW 47 661	600x200	1
GW 47 662	600x400	1
GW 47 663	600x600	1
<b>MODULES: 36</b>		
GW 47 666	850x200	1
GW 47 667	850x400	1
GW 47 668	850x600	1

**ACCESSORIES SUPPLIED:** supports and crosspieces; fixing accessories.

**CHARACTERISTICS:** possibility of adjusting the plate deeply (min. 77 mm - Max 180 mm); hot-galvanised sheet metal plate thickness 15/10 mm.



●=March 2004

◆=May 2004

## COMPLEMENTARY ITEMS

### ACCESSORIES



#### PAIR OF SUPPORTS FOR INTERNAL COMPARTMENT RAILS

Code	Description	Pack Carton
GW 47 671	N. 2 supports	1/5

**ACCESSORIES SUPPLIED:** fixing accessories.

**CHARACTERISTICS:** mounting of DIN rails vertically for installing terminal blocks or modular devices in the internal cable compartment.



#### DIN PROFILES FOR MODULAR DEVICES AND TERMINALS

Code	Profile	Length (mm)	Pack Carton
GW 47 691	EN 50022 (DIN 35)	2000	1/5
GW 47 692	EN 50035 (G 32)	2000	1/5
GW 47 693	EN 50024 (C30)	2000	1/5



#### VENTILATION KIT IP44

Code	Description	Pack Carton
GW 46 448	Fan grill and dust filter	1/2
GW 46 471	Ventilation grill with dust filter	1/10

**NOTE:** hole dimensions 125x117 mm; fixing screw centre distance 123x115 mm.



#### KIT FOR SIDE-BY-SIDE MOUNTING OF STRUCTURES WITH SEALING GASKET

Code	Description	Quantity	Pack Carton
GW 47 472	Plates and screws	8 pieces	1/10
GW 47 473	Gasket roll	20 m	1/10



#### ADDITIONAL BLOCK MOUNT H=100 MM RAL 5003 BLUE PAINTED FRONT SIDE AND BACK SIDE INSPECTION ACCESS

NEW

Code	For structure LxD (mm)	Pack Carton
GW 47 476	600x280	1
GW 47 477	850x280	1

**CHARACTERISTICS:** option of overlapping an additional block-mount to facilitate cable entry and raise the panel.  
Front and rear flanges H=200 mm.



#### MISCELLANEOUS ACCESSORIES

NEW

Code	Description	Characteristics	Pack Carton
GW 46 447	Adhesive document pocket	dimensions 310x230 mm	1/10
GW 38 561	N. 2 eyebolts M10		1/10
GW 47 196	Aerosol spray	colour Grey RAL 7035	1/6
GW 47 296	Aerosol spray	colour Blue RAL 5003	1/6
GW 47 491	N. 2 brackets	for wall fixing	1/10
GW 47 493	Rotary handle	Double-fin lock	1
GW 47 494	Rotary handle	key with standardized code (Yale type)	1

# 47 CVX 1600 RANGE

FLOOR-MOUNTING BOXES UP TO 3200A

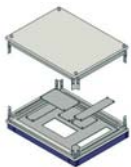


47 CVX 1600 RANGE



## STRUCTURAL ELEMENTS

### BASE STRUCTURE



#### BASE COMPLETE WITH INSPECTABLE BLOCK MOUNT AND PRE-ASSEMBLED HEAD

Code	Functional dim. B (mm)	Depth D (mm)	Pack Carton
<b>MODULES: 12</b>			
GW 49 001	400	400	1
GW 49 002	400	600	1
GW 49 003	400	800	1
<b>MODULES: 24</b>			
GW 49 004	600	400	1
GW 49 005	600	600	1
GW 49 006	600	800	1
<b>MODULES: 36</b>			
GW 49 007	850	400	1
GW 49 008	850	600	1
GW 49 009	850	800	1

**ACCESSORIES SUPPLIED:** cable gland plates with IP65 sealing gasket and fixing accessories.

**CHARACTERISTICS:** head cover colour Grey RAL 7035; base with lower cable entry; skirting H= 100 mm painted in colour Blue RAL 5003 can be inspected on all 4 sides thanks to the removable panels.



#### VERTICAL UPRIGHTS WITH PRE-ASSEMBLED HINGES IN GALVANIZED MATERIAL

Code	Description	Functional Height (mm)	Pack Carton
GW 49 011	N. 4 uprights	1800	1
GW 49 012	N. 4 uprights	2000	1

**ACCESSORIES SUPPLIED:** base and head element fixing screws.

### FUNCTIONAL FRAMES



#### PAIR OF FUNCTIONAL FRAMES FOR NON-SEPARATED BOARDS (OPEN FRAME)

Code	Functional Height (mm)	Pack Carton
GW 49 021	1800	1
GW 49 022	2000	1

**CHARACTERISTICS:** holes every 25 mm for mounting panelling and device installation kits.



### PAIR OF FUNCTIONAL FRAMES FOR SEPARATED BOARDS (CLOSED FRAME)

Code	Functional Height (mm)	Pack Carton
GW 49 023	1800	1
GW 49 024	2000	1

**CHARACTERISTICS:** holes every 25 mm for mounting panelling and device installation kits.

## SIDE AND BACK PANELS



### PAIR OF LATERAL SOLID PANELS IN PAINTED SHEET STEEL

Code	For structures HxD (mm)	Pack Carton
GW 49 041	1800x400	1
GW 49 042	1800x600	1
GW 49 043	1800x800	1
GW 49 044	2000x400	1
GW 49 045	2000x600	1
GW 49 046	2000x800	1

**ACCESSORIES SUPPLIED:** structure fixing screws.

**CHARACTERISTICS:** painted sheet metal panels colour Grey RAL 7035; sealing gaskets IP65 applied to the panel; prearranged for earthing.

**NOTE:** suitable for making boxes with IP31/IP41 (without door) and IP65 (with door) protection ratings.



### PAIR OF AERATION PANELS IN PAINTED SHEET STEEL

Code	For structures HxD (mm)	Pack Carton
GW 49 031	1800x600	1
GW 49 032	1800x800	1
GW 49 033	2000x600	1
GW 49 034	2000x800	1

**ACCESSORIES SUPPLIED:** structure fixing screws.

**CHARACTERISTICS:** painted sheet metal panels colour Grey RAL 7035; sealing gaskets IP65 applied to the panel; prearranged for earthing.

**NOTE:** screening for natural or forced aeration with IP41 protection rating.



### BACK SOLID PANELS IN PAINTED SHEET STEEL

Code	For structures LxH (mm)	Pack Carton
GW 49 091	400x1800	1
GW 49 092	600x1800	1
GW 49 093	850x1800	1
GW 49 094	400x2000	1
GW 49 095	600x2000	1
GW 49 096	850x2000	1

**ACCESSORIES SUPPLIED:** structure fixing screws.

**CHARACTERISTICS:** painted sheet metal panels colour Grey RAL 7035; sealing gaskets IP65 applied to the panel; prearranged for earthing.

**NOTE:** suitable for making boxes with IP31/IP41 (without door) and IP65 (with door) protection ratings.

## FRONT DOORS AND PROFILES



### SMOKED CURVED TEMPERED SAFETY GLASS FRONT AND BACK DOORS IP65 EQUIPPED WITH HANDLE AND ROD-MECHANISM LOCK

Code	For structures LxH (mm)	Pack Carton
GW 49 061	400x1800	1
GW 49 062	400x2000	1
GW 49 063	600x1800	1
GW 49 064	600x2000	1
GW 49 065	850x1800	1
GW 49 066	850x2000	1

**ACCESSORIES SUPPLIED:** mounting pins; key in Zn+Al+Mg alloy.

**CHARACTERISTICS:** use as front or rear door; option of mounting the door with reversible opening (right/left);

IP65 sealing gaskets applied on the door; possibility of replacing the handle insert with security lock; sheets painted with polyester epoxy powder Grey RAL 7035.



### IP65 FRONT OR REAR PROTRUDING GLASS DOORS EQUIPPED WITH HANDLE AND ROD-MECHANISM LOCK

Code	For structures LxH (mm)	Pack Carton
GW 49 071	600x1800	1
GW 49 072	600x2000	1
GW 49 073	850x1800	1
GW 49 074	850x2000	1

**ACCESSORIES SUPPLIED:** mounting pins; key in Zn+Al+Mg alloy.

**CHARACTERISTICS:** dedicated door for the mounting of MTS hi-power RCB switches with direct rotating handle, motor control and interlocked socket-outlets in extractable/removable execution; use as front or rear door; possibility of mounting door with reversible opening (right/left); IP65 sealing gaskets applied on the door; possibility of replacing the handle insert with security lock; sheets painted with polyester epoxy powder Grey RAL 7035.



### SOLID PAINTED SHEET STEEL DOORS IP65 EQUIPPED WITH HANDLE AND ROD-MECHANISM LOCK

Code	For structures LxH (mm)	Pack Carton
GW 49 081	400x1800	1
GW 49 082	400x2000	1
GW 49 083	600x1800	1
GW 49 084	600x2000	1
GW 49 085	850x1800	1
GW 49 086	850x2000	1

**ACCESSORIES SUPPLIED:** mounting pins; key in Zn+Al+Mg alloy.

**CHARACTERISTICS:** use as front or rear door; option of mounting the door with reversible opening (right/left); IP65 sealing gaskets applied on the door; possibility of replacing the handle insert with security lock; sheets painted with polyester epoxy powder Grey RAL 7035.



### PAIR OF SOLID LATERAL DOORS IP65

Code	For structures HxD (mm)	Pack Carton
GW 49 051	1800x400	1
GW 49 052	2000x400	1
GW 49 053	1800x600	1
GW 49 054	2000x600	1
GW 49 055	1800x800	1
GW 49 056	2000x800	1

**ACCESSORIES SUPPLIED:** mounting pins; key in Zn+Al+Mg alloy.

**CHARACTERISTICS:** use as front or rear door; option of mounting the door with reversible opening (right/left); IP65 sealing gaskets applied on the door; possibility of replacing the handle insert with security lock; sheets painted with polyester epoxy powder Grey RAL 7035.



### FRONT FINISHING PROFILES IN INSULATING MATERIAL FOR PANELS WITHOUT DOOR IP31/IP41

Code	Type	For structures (mm)	Quantity	Pack Carton
<b>PROFILE: HORIZONTAL</b>				
GW 49 101	Single	L=300	2 pieces	1
GW 49 102	Single	L=400	2 pieces	1
GW 49 103	Single	L=600	2 pieces	1
GW 49 104	Single	L=850	2 pieces	1
<b>PROFILE: VERTICAL</b>				
GW 49 105	Single	H=1800	2 pieces	1
GW 49 106	Double	H=1800	1 piece	1
GW 49 107	Single	H=2000	2 pieces	1
GW 49 108	Double	H=2000	1 piece	1

**NOTE:** for side structures choose the vertical profile for application on junction uprights.

NEW



### HORIZONTAL METAL PROFILES FOR IP41 BOXES WITHOUT DOORS

Code	For structures B (mm)	Quantity	Pack Carton
GW 49 211	400	4 pieces	1
GW 49 212	600	4 pieces	1
GW 49 213	850	4 pieces	1

**NOTES:** the metal profiles are fixed between each front panel and the one that follows.

## INTERNAL CABLE COMPARTMENT



### INTERNAL CABLE COMPARTMENT FOR NON-SEPARATED PANELS (OPEN FRAME) COMPLETE WITH HINGED COVER

Code	For structures LxH (mm)	Pack Carton
GW 49 112	850x1800	1
GW 49 114	850x2000	1

**ACCESSORIES SUPPLIED:** structure fixing accessories; double-finned key; pair of functional frames.

**CHARACTERISTICS:** option of mounting on right or left side of the box (B=850 mm);  
option of right or left opening of the hinged cover panel; painted sheet metal panel colour Grey RAL 7035 complete with 2 locks.



### INTERNAL CABLE COMPARTMENT KIT FOR SEPARATED PANELS (CLOSED FRAME) COMPLETE WITH HINGED COVER AND REAR UPRIGHT

Code	For structures LxH (mm)	Pack Carton
GW 49 111	850x1800	1
GW 49 113	850x2000	1

**ACCESSORIES SUPPLIED:** structure fixing accessories; double-finned key; pair of functional frames and rear upright.

**CHARACTERISTICS:** option of mounting on right or left side of the box (B=850 mm);  
option of right or left opening of the hinged cover panel; painted sheet metal panel colour Grey RAL 7035 complete with 2 locks.



### REAR UPRIGHTS FOR INTERNAL COMPARTMENT FOR NON-SEPARATED ENCLOSURES (OPEN FRAME)

Code	For structures (mm)	Pack Carton
GW 49 025	H=1800	1
GW 49 026	H=2000	1

**CHARACTERISTICS:** holes every 25 mm for mounting panelling and device installation kits.

Suitable for fastening on the back of crosspieces, accessories, bars, etc.

## EXTERNAL CABLE COMPARTMENT



### BASE COMPLETE WITH INSPECTABLE BLOCK MOUNT AND PRE-ASSEMBLED HEAD FOR EXTERNAL COMPARTMENT

Code	Functional dim. B (mm)	Depth D (mm)	Pack Carton
GW 49 115	300	400	1
GW 49 116	300	600	1
GW 49 117	300	800	1

**ACCESSORIES SUPPLIED:** cable gland plates and fixing accessories; mounting accessories.

**CHARACTERISTICS:** lower cable entry; cable gland plate with IP65 sealing gaskets; skirting H=100 mm painted in colour Blue RAL 5003 that can be inspected; sheets painted with polyester epoxy powder Grey RAL.

**NOTES:** to make the external cable compartment, use the vertical uprights GW49011 (H=1800 mm) or GW49012 (H=2000 mm).

The external compartment can be put together with the structure by using the special kit GW49163.



### INTERNAL/EXTERNAL SOLID DOORS AND REAR PANEL IN PAINTED SHEET STEEL

Code	For structures LxH (mm)	Pack Carton
<b>DESCRIPTION: INTERNAL DOOR IP31/IP41</b>		
GW 49 121	300x1800	1
GW 49 122	300x2000	1
<b>DESCRIPTION: EXTERNAL DOOR IP65</b>		
GW 49 123	300x1800	1
GW 49 124	300x2000	1
<b>DESCRIPTION: REAR PANEL IP65</b>		
GW 49 097	300x1800	1
GW 49 098	300x2000	1

**ACCESSORIES SUPPLIED:** mounting accessories.

**CHARACTERISTICS:** possibility of mounting door with reversible opening (right/left); IP65 sealing gaskets applied on the door/panel.

**NOTES:** the doorless version is completed with the finish profiles. The external doors can also be used as second doors in the version with external door.

## FRONT CONFIGURATION

### INSTALLATION KIT FOR DEVICES ON DIN RAIL



#### FRONT PANELS IN PAINTED SHEET STEEL WITH DIN PERFORATION

Code	No. DIN rows	Dimension BxH	Pack Carton
<b>MODULES: 12</b>			
GW 49 501	1	400x200	1
<b>MODULES: 24</b>			
GW 49 502	1	600x200	1
GW 49 504	2	600x300	1
<b>MODULES: 36</b>			
GW 49 506	1	850x200	1
GW 49 508	2	850x300	1

**ACCESSORIES SUPPLIED:** mounting accessories.

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035; earthing for panel contact; unlosable panel fixing screws; prearrangement of the panels for rotation hinges (included).

NEW



#### DIN EN 50022 (DIN 35) RAILS KIT FOR MODULAR (90 RANGE) AND MOULDED-CASE DEVICES UP TO 160A (MTS 160 RANGE)

Code	Description	Type	For structures	Pack Carton
<b>MODULES: 12</b>				
GW 49 221	1 DIN rail	Twin - Aluminium	open frame	1
GW 49 222	1 DIN rail	Twin - Aluminium	closed frame	1
<b>MODULES: 24</b>				
GW 49 223	1 DIN rail	Twin - Aluminium	open frame	1/6
GW 49 224	1 DIN rail	Twin - Aluminium	closed frame	1/6
GW 49 225	2 DIN rails (int. 150 mm)	Twin - Aluminium	open frame	1/6
GW 49 226	1 DIN rail	Stiffened for MTS 160	open frame	1/6
<b>MODULES: 36</b>				
GW 49 227	1 DIN rail	Twin - Aluminium	open frame	1/6
GW 49 230	1 DIN rail	Twin - Aluminium	closed frame	1/6
GW 49 228	2 DIN rails (int. 150 mm)	Twin - Aluminium	open frame	1/6
GW 49 229	1 DIN rail	Stiffened for MTS 160	open frame	1/6

**ACCESSORIES SUPPLIED:** double aluminium EN 50022 (DIN 35) rail adjustable in depth.

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035M; earthing for contact; unlosable panel fixing screws; prearrangement of the panels for rotation hinges.

**NOTE:** the special kit for fixing the MTS 160 to the DIN rail is supplied with the residual current device; should the MTS 160 be mounted without a residual current device, order code GW98060 or GW98061 in the case of solenoid control. The combination of modular and boxed devices requires the depth adapter GW49209.



#### INSTALLATION KIT FOR MOULDED-CASE DEVICES MTS/M 250 A FOR NON SEPARATED PANELS - COMPLETE WITH PERFORATED FRONT PANEL AND MOUNTING PLATE WITH DIN EN 50023 RAIL

Code	Dimension BxH	Suitable for	No. poles	Pack Carton
GW 49 321	600x400	MTS 250 MTSM 250	3P - 4P	1
GW 49 341	850x400	MTS 250 MTSM 250	3P - 4P	1

**ACCESSORIES SUPPLIED:** galvanised sheet metal support plate with DIN rail; crosspieces, supports and fixing accessories.

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035; earthing for panel contact; unlosable panel fixing screws; prearrangement of the panels for rotation hinges (included).

**APPLICATIONS:** installation of modular and boxed devices in fixed vertical execution (also with side-by-side residual current devices) with DIN support.

**NOTE:** the special kit for fixing the MTS 250 to the DIN rail is supplied with the residual current device; should an MTS 250 switch be mounted without a residual current device, order code GW98488 (3P) or GW98489 (4P).



## INSTALLATION KIT FOR MOULDED-CASE DEVICES IN NON-SEPARATED CABINETS



INSTALLATION KIT FOR MOULDED-CASE DEVICES UP TO 630A  
WITH FRONT OR REAR SUPPORTS IN NON SEPARATED CABINETS B=400 MM -  
COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATE

Code	Execution	No. poles	Dimension BxH	Installation	Pack Carton
<b>SUITABLE FOR: MTS 160</b>					
GW 49 231	Fixed	3P	400x200	Horizontal	1
GW 49 232	Fixed	4P	400x200	Horizontal	1
GW 49 233	Removable	3P	400x200	Horizontal	1
GW 49 234	Removable	4P	400x200	Horizontal	1
<b>SUITABLE FOR: MTS 250/MTSM 250</b>					
GW 49 235	Fixed (front fixing only)	3P - 4P	400x200	Horizontal	1
GW 49 236	Fixed	3P - 4P	400x300	Horizontal	1
GW 49 237	Removable	3P - 4P	400x300	Horizontal	1
GW 49 238	Fixed	3P - 4P	400x400	Vertical	1
GW 49 239	Removable	3P - 4P	400x400	Vertical	1
GW 49 240	Extractable	3P - 4P	400x300	Horizontal	1
GW 49 241	Extractable	3P - 4P	400x400	Vertical	1
<b>SUITABLE FOR: MTSE 250</b>					
GW 49 242	Fixed	3P - 4P	400x400	Vertical	1
GW 49 243	Removable	3P - 4P	400x400	Vertical	1
GW 49 244	Extractable	3P - 4P	400x400	Vertical	1
<b>SUITABLE FOR: MTS 630/MTSE 630</b>					
GW 49 245	Fixed	3P - 4P	400x500	Vertical	1
GW 49 246	Removable	3P - 4P	400x500	Vertical	1
GW 49 247	Extractable	3P - 4P	400x500	Vertical	1

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035 perforated for fixing circuit breaker cover; panel earthing for contact; prearrangement of the panels for rotation hinges (included); panel perforations provided for mounting the boxed devices; elastic rings so fixing screws are not lost; devices are simple to secure with the threaded bushings on the mounting plate.



INSTALLATION KIT FOR MOULDED-CASE DEVICES UP TO 1600A  
WITH FRONT OR REAR SUPPORTS IN NON SEPARATED CABINETS B=600 MM -  
COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATE

Code	Execution	Control	No. poles	Dimension BxH	Installation	Pack Carton
<b>SUITABLE FOR: MTS 160</b>						
GW 49 251	Fixed	Lever	3P	600x200	Horizontal	1
GW 49 252	Fixed	Lever	4P	600x200	Horizontal	1
GW 49 253	Fixed + RCD	Lever	4P	600x200	Horizontal	1
GW 49 254	Removable	Lever	4P	600x200	Horizontal	1
GW 49 255	Removable	Lever	3P	600x200	Horizontal	1
GW 49 256	Fixed	Straight rotary	4P	600x200	Horizontal	1
<b>SUITABLE FOR: MTS 250 MTSM 250</b>						
GW 49 257	Fixed (front fixing only)	Lever	3P - 4P	600x200	Horizontal	1
GW 49 258	Fixed	Lever/Straight rotary/Motor	3P - 4P	600x300	Horizontal	1
GW 49 259	Fixed + RCD	Lever	4P	600x300	Horizontal	1
GW 49 260	Removable	Lever/Straight rotary	3P - 4P	600x300	Horizontal	1
GW 49 261	Extractable	Lever/Straight rotary/Motor	3P - 4P	600x300	Horizontal	1
GW 49 262	Removable	Motor	3P - 4P	600x300	Horizontal	1
GW 49 263	Fixed	Lever	3P - 4P	600x400	Vertical	1
GW 49 264	Removable	Lever	3P - 4P	600x400	Vertical	1
GW 49 265	Extractable	Lever	3P - 4P	600x400	Vertical	1
GW 49 266	Fixed/Removable interlocked	Lever/Motor	4P	600x400	Vertical	1
GW 49 269	Extractable interlocked	Lever/Motor	4P	600x400	Vertical	1
<b>SUITABLE FOR: MTSE 250</b>						
GW 49 271	Fixed (front fixing only)	Lever	3P - 4P	600x200	Horizontal	1
GW 49 272	Fixed	Lever/Straight rotary/Motor	3P - 4P	600x300	Horizontal	1
GW 49 273	Removable	Lever/Straight rotary	3P - 4P	600x300	Horizontal	1
GW 49 274	Extractable	Lever/Straight rotary/Motor	3P - 4P	600x300	Horizontal	1
GW 49 275	Removable	Motor	3P - 4P	600x300	Horizontal	1
GW 49 276	Fixed	Lever	3P - 4P	600x400	Vertical	1
GW 49 277	Removable	Lever	3P - 4P	600x400	Vertical	1
GW 49 278	Extractable	Lever	3P - 4P	600x400	Vertical	1
GW 49 279	Fixed/Removable interlocked	Lever/Motor	3P - 4P	600x500	Vertical	1
GW 49 282	Extractable interlocked	Lever/Motor	4P	600x500	Vertical	1

NEW



INSTALLATION KIT FOR MOULDED-CASE DEVICES UP TO 1600A  
WITH FRONT OR REAR SUPPORTS IN NON SEPARATED CABINETS B=600 MM -  
COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATE

Code	Execution	Control	No. poles	Dimension BxH	Installation	Pack Carton
<b>SUITABLE FOR: MTS 630/MTSE 630</b>						
GW 49 284	Fixed	Lever/Straight rotary/Motor	3P - 4P	600x300	Horizontal	1
GW 49 285	Removable	Lever/Straight rotary	3P - 4P	600x300	Horizontal	1
GW 49 286	Extractable	Lever/Straight rotary/Motor	3P - 4P	600x300	Horizontal	1
GW 49 287	Removable	Motor	3P - 4P	600x300	Horizontal	1
GW 49 288	Fixed	Lever/Straight rotary/Motor	3P - 4P	600x500	Vertical	1
GW 49 289	Removable	Lever/Straight rotary	3P - 4P	600x500	Vertical	1
GW 49 290	Removable	Motor	3P - 4P	600x500	Vertical	1
GW 49 291	Extractable	Lever/Straight rotary/Motor	3P - 4P	600x500	Vertical	1
GW 49 292	Fixed/Removable interlocked	Lever/Motor	3P - 4P	600x500	Vertical	1
GW 49 295	Extractable interlocked	Lever/Motor	3P - 4P	600x500	Vertical	1
<b>SUITABLE FOR: MTS 800/MTSE 800/MTSM 800</b>						
GW 49 297	Fixed	Lever	3P - 4P	600x500	Horizontal	1
GW 49 298	Extractable	Lever/Straight rotary	3P - 4P	600x500	Horizontal	1
GW 49 299	Fixed	Straight rotary	3P - 4P	600x500	Horizontal	1
GW 49 300	Fixed	Motor	3P - 4P	600x500	Horizontal	1
GW 49 301	Extractable	Motor	3P - 4P	600x500	Horizontal	1
GW 49 302	Fixed interlocked	Lever	4P	600x800	Horizontal	1
GW 49 303	Fixed interlocked	Motor	4P	600x800	Horizontal	1
GW 49 304	Extractable interlocked	Lever	4P	600x800	Horizontal	1
GW 49 305	Extractable interlocked	Motor	4P	600x800	Horizontal	1
GW 49 306	Fixed	Lever	3P - 4P	600x500	Vertical	1
GW 49 307	Extractable	Lever/Straight rotary	3P - 4P	600x500	Vertical	1
GW 49 308	Fixed	Straight rotary	3P - 4P	600x500	Vertical	1
GW 49 309	Fixed	Motor	3P - 4P	600x500	Vertical	1
GW 49 310	Extractable	Motor	3P - 4P	600x500	Vertical	1
<b>SUITABLE FOR: MTSE 1600/MTSM 1600</b>						
GW 49 311	Fixed (back fixing only)	Lever	3P - 4P	600x600	Horizontal	1
GW 49 312	Fixed (back fixing only)	Straight rotary	3P - 4P	600x600	Horizontal	1
GW 49 313	Fixed (back fixing only)	Motor	3P - 4P	600x600	Horizontal	1
GW 49 314	Fixed interlocked	Lever	4P	600x800	Horizontal	1
GW 49 315	Fixed/Extractable interlocked	Motor	4P	600x800	Horizontal	1
GW 49 316	Extractable interlocked	Lever	4P	600x800	Horizontal	1
GW 49 317	Fixed	Lever	3P - 4P	600x700	Vertical	1
GW 49 318	Extractable	Lever/Straight rotary	3P - 4P	600x700	Vertical	1
GW 49 319	Fixed	Straight rotary	3P - 4P	600x700	Vertical	1
GW 49 320	Fixed	Motor	3P - 4P	600x700	Vertical	1
GW 49 322	Extractable	Motor	3P - 4P	600x700	Vertical	1

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035 perforated for fixing circuit breaker cover;  
panel earthing for contact; prearrangement of the panels for rotation hinges (included);  
panel perforations provided for mounting the boxed devices; elastic rings so fixing screws are not lost;  
devices are simple to secure with the threaded bushings on the mounting plate.



INSTALLATION KIT FOR MOULDED-CASE DEVICES UP TO 1600A  
WITH FRONT OR REAR SUPPORTS IN NON SEPARATED CABINETS B=850 MM -  
COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATE

Code	Execution	No. poles	Dimension BxH	Installation	Pack Carton
<b>SUITABLE FOR: MTS 160</b>					
GW 49 331	Fixed + RCD	4P	850x200	Horizontal	1
<b>SUITABLE FOR: MTS 250/MTSM 250</b>					
GW 49 332	Fixed	3P - 4P	850x300	Horizontal	1
GW 49 333	Fixed + RCD	4P	850x300	Horizontal	1
GW 49 334	Fixed	3P - 4P	850x400	Vertical	1
<b>SUITABLE FOR: MTS 250</b>					
GW 49 335	Fixed	3P - 4P	850x300	Horizontal	1
GW 49 336	Fixed	3P - 4P	850x400	Vertical	1
<b>SUITABLE FOR: MTS 630/MTSE 630</b>					
GW 49 337	Fixed	3P - 4P	850x300	Horizontal	1
GW 49 338	Fixed	3P - 4P	850x500	Vertical	1
<b>SUITABLE FOR: MTS 800/MTSE 800/MTSM 800</b>					
GW 49 339	Fixed	3P - 4P	850x500	Vertical	1

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INSTALLATION KIT FOR MOULDED-CASE DEVICES UP TO 1600A  
WITH FRONT OR REAR SUPPORTS IN NON SEPARATED CABINETS B=850 MM -  
COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATE

Code	Execution	No. poles	Dimension BxH	Installation	Pack Carton
<b>SUITABLE FOR: MTSE 1600/MTSM 1600</b>					
GW 49 340	Fixed	3P - 4P	850x700	Vertical	1

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035 perforated for fixing circuit breaker cover; panel earthing for contact; prearrangement of the panels for rotation hinges (included); panel perforations provided for mounting the boxed devices; elastic rings so fixing screws are not lost; devices are simple to secure with the threaded bushings on the mounting plate.

## INSTALLATION KIT FOR MOULDED-CASE DEVICES IN SEPARATED CABINETS



INSTALLATION KIT FOR MOULDED-CASE DEVICES UP TO 630A  
WITH REAR SUPPORTS IN SEPARATED PANELS B=400 MM -  
COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATE

Code	Execution	No. poles	Dimension BxH	Installation	Pack Carton
<b>SUITABLE FOR: MTS 160</b>					
GW 49 351	Fixed	3P	400x200	Horizontal	1
GW 49 352	Fixed	4P	400x200	Horizontal	1
GW 49 353	Removable	3P	400x200	Horizontal	1
GW 49 354	Removable	4P	400x200	Horizontal	1

**SUITABLE FOR: MTS 250/MTSM 250**

GW 49 355	Fixed	3P - 4P	400x300	Horizontal	1
GW 49 356	Removable	3P - 4P	400x300	Horizontal	1
GW 49 357	Extractable	3P - 4P	400x300	Horizontal	1

**SUITABLE FOR: MTSE 250**

GW 49 358	Fixed	3P - 4P	400x300	Horizontal	1
GW 49 359	Removable	3P - 4P	400x300	Horizontal	1
GW 49 360	Extractable	3P - 4P	400x300	Horizontal	1

**SUITABLE FOR: MTS 630/MTSE 630 (400 A)**

GW 49 361	Fixed	3P - 4P	400x400	Horizontal	1
GW 49 362	Extractable	3P - 4P	400x400	Horizontal	1
GW 49 363	Removable	3P - 4P	400x400	Horizontal	1

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035 perforated for fixing circuit breaker cover; panel earthing for contact; prearrangement of the panels for rotation hinges (included); elastic rings so the fixing screws are not lost; devices are simple to secure with the threaded bushings on the mounting plate; basic layout for Shape 2 segregation; fitted for conversion to Shape 3 and Shape 4 with special segregation kits.



INSTALLATION KIT MOULDED-CASE DEVICES UP TO 1600 A  
WITH REAR SUPPORTS IN SEPARATED CABINETS B=600 MM -  
COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATE

Code	Execution	Control	No. poles	Dimension BxH	Installation	Pack Carton
<b>SUITABLE FOR: MTS 160</b>						
GW 49 371	Fixed	Lever	3P	600x200	Horizontal	1
GW 49 372	Fixed	Lever	4P	600x200	Horizontal	1
GW 49 373	Fixed + RCD	Lever	4P	600x200	Horizontal	1
GW 49 374	Removable	Lever	4P	600x200	Horizontal	1
GW 49 375	Removable	Lever	3P	600x200	Horizontal	1

**SUITABLE FOR: MTS 250/MTSM 250**

GW 49 376	Fixed	Lever/Straight rotary	3P - 4P	600x300	Horizontal	1
GW 49 377	Fixed + RCD	Lever	4P	600x300	Horizontal	1
GW 49 378	Removable	Lever/Straight rotary	3P - 4P	600x300	Horizontal	1
GW 49 379	Extractable	Lever/Straight rotary/Motor	3P - 4P	600x300	Horizontal	1
GW 49 380	Fixed	Motor	3P - 4P	600x300	Horizontal	1
GW 49 381	Removable	Motor	3P - 4P	600x300	Horizontal	1
GW 49 383	Fixed interlocked	Lever/Motor	4P	600x400	Vertical	1
GW 49 385	Removable interlocked	Lever	4P	600x400	Vertical	1
GW 49 386	Removable interlocked	Motor	4P	600x400	Vertical	1
GW 49 387	Extractable interlocked	Lever	4P	600x400	Vertical	1
GW 49 388	Extractable interlocked	Motor	4P	600x400	Vertical	1

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(TO BE CONTINUED)

INSTALLATION KIT MOULDED-CASE DEVICES UP TO 1600 A  
WITH REAR SUPPORTS IN SEPARATED CABINETS B=600 MM -  
COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATE

Code	Execution	Control	No. poles	Dimension BxH	Installation	Pack Carton
<b>SUITABLE FOR: MTSE 250</b>						
GW 49 389	Fixed	Lever/Straight rotary	3P - 4P	600x300	Horizontal	1
GW 49 390	Removable	Lever/Straight rotary	3P - 4P	600x300	Horizontal	1
GW 49 391	Extractable	Lever/Straight rotary/Motor	3P - 4P	600x300	Horizontal	1
GW 49 392	Fixed	Motor	3P - 4P	600x300	Horizontal	1
GW 49 393	Removable	Motor	3P - 4P	600x300	Horizontal	1
GW 49 395	Fixed interlocked	Lever	4P	600x500	Vertical	1
GW 49 396	Fixed interlocked	Motor	4P	600x500	Vertical	1
GW 49 397	Removable interlocked	Lever	4P	600x500	Vertical	1
GW 49 398	Removable interlocked	Motor	4P	600x500	Vertical	1
GW 49 399	Extractable interlocked	Lever	4P	600x500	Vertical	1
GW 49 400	Extractable interlocked	Motor	4P	600x500	Vertical	1

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035 perforated for fixing circuit breaker cover;

panel earthing for contact; prearrangement of the panels for rotation hinges (included);

elastic rings so the fixing screws are not lost; devices are simple to secure with the threaded bushings on the mounting plate;

basic layout for Shape 2 segregation; fitted for conversion to Shape 3 and Shape 4 with special segregation kits.

**NOTES:** interlocking plate to be purchased separately.

Only shape 2 segregation: GW49373 - GW49377 - GW49383 - GW49385 - GW49386 - GW49387 - GW49388 - GW49395 - GW49396 - GW49397 - GW49398 - GW49399 - GW49400.

NEW



INSTALLATION KIT MOULDED-CASE DEVICES UP TO 1600 A  
WITH REAR SUPPORTS IN SEPARATED CABINETS L = 600 MM -  
COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATE

Code	Execution	Control	No. poles	Dimension BxH	Installation	Pack Carton
<b>SUITABLE FOR: MTS 630/MTSE 630 (400 A)</b>						
GW 49 401	Fixed	Lever/Straight rotary	3P - 4P	600x400	Horizontal	1
GW 49 402	Removable	Lever/Straight rotary	3P - 4P	600x400	Horizontal	1
GW 49 403	Extractable	Lever/Straight rotary/Motor	3P - 4P	600x400	Horizontal	1
GW 49 404	Fixed	Motor	3P - 4P	600x400	Horizontal	1
GW 49 405	Removable	Motor	3P - 4P	600x400	Horizontal	1
GW 49 407	Fixed	Lever/Straight rotary	3P - 4P	600x500	Vertical	1
GW 49 408	Removable	Lever/Straight rotary	3P - 4P	600x500	Vertical	1
GW 49 409	Extractable	Lever/Straight rotary/Motor	3P - 4P	600x500	Vertical	1
GW 49 410	Fixed	Motor	3P - 4P	600x500	Vertical	1
GW 49 411	Fixed interlocked	Lever	4P	600x500	Vertical	1
GW 49 412	Fixed/Removable interlocked	Motor	4P	600x500	Vertical	1
GW 49 414	Removable	Motor	3P - 4P	600x500	Vertical	1
GW 49 415	Removable interlocked	Lever	4P	600x500	Vertical	1
GW 49 419	Extractable interlocked	Lever/Motor	4P	600x500	Vertical	1

**SUITABLE FOR: MTS 800/MTSE 800/MTSM 800**

GW 49 421	Fixed	Lever	3P - 4P	600x500	Horizontal	1
GW 49 444	Fixed	Motor	3P - 4P	600x500	Horizontal	1
GW 49 445	Fixed	Straight rotary	3P - 4P	600x500	Horizontal	1
GW 49 446	Extractable	Motor	3P - 4P	600x500	Horizontal	1
GW 49 422	Extractable	Lever/Straight rotary	3P - 4P	600x500	Horizontal	1
GW 49 423	Fixed interlocked	Lever	4P	600x800	Horizontal	1
GW 49 424	Fixed interlocked	Motor	4P	600x800	Horizontal	1
GW 49 425	Extractable interlocked	Lever	4P	600x800	Horizontal	1
GW 49 426	Extractable interlocked	Motor	4P	600x800	Horizontal	1
GW 49 427	Fixed	Lever	3P - 4P	600x600	Vertical	1
GW 49 428	Extractable	Lever/Straight rotary	3P - 4P	600x600	Vertical	1
GW 49 429	Fixed	Straight rotary	3P - 4P	600x600	Vertical	1
GW 49 430	Fixed	Motor	3P - 4P	600x600	Vertical	1
GW 49 431	Extractable	Motor	3P - 4P	600x600	Vertical	1

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NEW

(TO BE CONTINUED)

INSTALLATION KIT MOULDED-CASE DEVICES UP TO 1600 A  
WITH REAR SUPPORTS IN SEPARATED CABINETS L = 600 MM -  
COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATE

Code	Execution	Control	No. poles	Dimension BxH	Installation	Pack Carton
<b>SUITABLE FOR: MTSE 1600/MTSM 1600</b>						
GW 49 432	Fixed	Lever	3P - 4P	600x600	Horizontal	1
GW 49 433	Fixed	Straight rotary	3P - 4P	600x600	Horizontal	1
GW 49 434	Fixed	Motor	3P - 4P	600x600	Horizontal	1
GW 49 435	Fixed interlocked	Lever	4P	600x800	Horizontal	1
GW 49 436	Fixed interlocked	Motor	4P	600x800	Horizontal	1
GW 49 437	Extractable interlocked	Lever	4P	600x800	Horizontal	1
GW 49 438	Extractable interlocked	Motor	4P	600x800	Horizontal	1
GW 49 439	Fixed	Lever	3P - 4P	600x800	Vertical	1
GW 49 440	Extractable	Lever/Straight rotary	3P - 4P	600x800	Vertical	1
GW 49 441	Fixed	Straight rotary	3P - 4P	600x800	Vertical	1
GW 49 442	Fixed	Motor	3P - 4P	600x800	Vertical	1
GW 49 443	Extractable	Motor	3P - 4P	600x800	Vertical	1

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035 perforated for fixing circuit breaker cover; panel earthing for contact; prearrangement of the panels for rotation hinges (included); elastic rings so the fixing screws are not lost; devices are simple to secure with the threaded bushings on the mounting plate; basic layout for Shape 2 segregation; fitted for conversion to Shape 3 and Shape 4 with special segregation kits.

**NOTES:** interlocking plate to be purchased separately.

Only shape 2 segregation: GW49410 - GW49411 - GW49412 - GW49414 - GW49415 - GW49419 - GW49423 - GW49424 - GW49425 - GW49426 - GW49430 - GW49431 - GW49435 - GW49436 - GW49437 - GW49438 - GW49442 - GW49443.

## FRONT PANELS

NEW



### SOLID FRONT PANELS

Code	Dimension BxH	Pack Carton
<b>MODULES: 12</b>		
GW 49 451	400x100	1
GW 49 452	400x200	1
GW 49 453	400x300	1
GW 49 454	400x400	1
GW 49 455	400x600	1
<b>MODULES: 24</b>		
GW 49 456	600x100	1
GW 49 457	600x200	1
GW 49 458	600x300	1
GW 49 459	600x400	1
GW 49 460	600x600	1
GW 49 461	600x800	1
GW 49 462	600x1600	1
GW 49 463	600x1800	1
GW 49 464	600x2000	1
<b>MODULES: 36</b>		
GW 49 470	850x100	1
GW 49 471	850x200	1
GW 49 472	850x300	1
GW 49 473	850x400	1
GW 49 474	850x600	1
GW 49 481	850x800	1
GW 49 475	850x1600	1
GW 49 476	850x1800	1
GW 49 477	850x2000	1

**ACCESSORIES SUPPLIED:** fixing accessories.

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035; earthing for contact; elastic rings so fixing screws are not lost; prearrangement of the panels for rotation hinges (included).



### SOLID FRONT RECESSED PANELS

Code	Dimension BxH	Pack Carton
<b>MODULES: 24</b>		
GW 49 465	600x200	1
GW 49 466	600x400	1
GW 49 467	600x600	1

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# 47 CVX 1600 RANGE

FLOOR-MOUNTING BOXES UP TO 3200A

**GEWISS**

47 CVX 1600 RANGE

(TO BE CONTINUED)

## SOLID FRONT RECESSED PANELS

Code	Dimension BxH	Pack Carton
<b>MODULES: 36</b>		
GW 49 478	850x200	1
GW 49 479	850x400	1
GW 49 480	850x600	1

**ACCESSORIES SUPPLIED:** fixing accessories.

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035; earthing for contact; elastic rings so fixing screws are not lost; prearrangement of the panels for rotation hinges (included).

## PANELS FOR SQUARE MEASURING INSTRUMENTS



Code	Dimension BxH	3-way switch no. x hole Ø	Instruments N. x dimensions	Pack Carton
<b>MODULES: 24</b>				
GW 49 514	600x200	2 Ø9,5 mm	2 72x72 mm	1
GW 49 515	600x200	2 Ø9,5 mm	2 96x96 mm	1
GW 49 516	600x200	1 Ø9,5 mm	4 72x72 mm	1
GW 49 517	600x200	1 Ø9,5 mm	4 96x96 mm	1
<b>MODULES: 36</b>				
GW 49 518	850x200	2 Ø9,5 mm	2 72x72 mm	1
GW 49 519	850x200	2 Ø9,5 mm	2 96x96 mm	1
GW 49 520	850x200	1 Ø9,5 mm	4 72x72 mm	1
GW 49 521	850x200	1 Ø9,5 mm	4 96x96 mm	1

**ACCESSORIES SUPPLIED:** fixing accessories.

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035; earthing for contact; elastic rings so fixing screws are not lost; prearrangement of the panels for rotation hinges (included).

**APPLICATIONS:** installations of ammeters, voltmeters, voltmeter/ammeter three-way switches and board residual current relay.

## AERATION FRONT PANELS



Code	Dimension BxH	Pack Carton
GW 49 468	600x100	1
GW 49 469	600x200	1

**CHARACTERISTICS:** front panel in painted sheet metal colour Grey RAL 7035; earthing for contact; elastic rings so fixing screws are not lost; prearrangement of the panels for rotation hinges (included).

**APPLICATIONS:** natural ventilation in floor-mounting boards in combination with aerated side panels.

## ACCESSORIES

### MODULE MASK PROFILE IN PLASTIC MATERIAL - COLOUR GREY RAL 7035



Code	No. EN 50022 modules	Pack Carton
GW 47 291	24	10

**CHARACTERISTICS:** clip fixing on DIN drilled front panels.

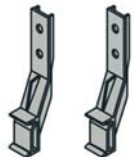
### DEPTH ADAPTOR



Code	Length (mm)	Pack Carton
GW 49 209	600	1

**APPLICATIONS:** compensation of the different installation depths of modular (90 range) and moulded-case (MTS 160 range) devices.

### WIRING TRUNKING SUPPORTS



Code	Description	Suitable for	Pack Carton
GW 49 201	N. 4 plastic supports	horizontal trunking	1/4
GW 49 202	N. 4 metal supports	horizontal trunking	1/4

●=March 2004

❖=May 2004

## INTERNAL CONFIGURATION

### BACK-MOUNTING PLATES

NEW

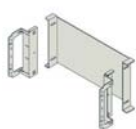


#### FLAT BACK-MOUNTING PLATES FOR MOUNTING NON-MODULAR DEVICES

Code	Dimension BxH	Pack Carton
<b>PANELS: NON SEPARATED - 12 MODULES</b>		
GW 49 801	400x200	1
GW 49 802	400x300	1
GW 49 803	400x400	1
GW 49 804	400x600	1
<b>PANELS: NON SEPARATED - 24 MODULES</b>		
GW 49 805	600x200	1
GW 49 806	600x300	1
GW 49 807	600x400	1
GW 49 808	600x600	1
<b>PANELS: NON SEPARATED - 36 MODULES</b>		
GW 49 812	850x200	1
GW 49 813	850x300	1
GW 49 814	850x400	1
GW 49 815	850x600	1
<b>PANELS: SEPARATED - 12 MODULES</b>		
GW 49 819	400x200	1
GW 49 820	400x300	1
GW 49 821	400x400	1
GW 49 822	400x600	1
<b>PANELS: SEPARATED - 24 MODULES</b>		
GW 49 823	600x200	1
GW 49 824	600x300	1
GW 49 825	600x400	1
GW 49 826	600x600	1
GW 49 827	600x800	1
<b>PANELS: SEPARATED - 36 MODULES</b>		
GW 49 851	850x200	1
GW 49 852	850x300	1
GW 49 853	850x400	1
GW 49 854	850x600	1
GW 49 855	850x800	1

**ACCESSORIES SUPPLIED:** fixing accessories.

**CHARACTERISTICS:** possibility of adjusting the plate deeply; plate in steel sheet thickness 20-25/10 mm.



#### BACK-MOUNTING INDENTED PLATES FOR MOUNTING NON-MODULAR DEVICES

Code	Dimension BxH	Pack Carton
<b>PANELS: NON SEPARATED - 24 MODULES</b>		
GW 49 809	600x200	1
GW 49 810	600x400	1
GW 49 811	600x600	1
<b>PANELS: NON SEPARATED - 36 MODULES</b>		
GW 49 816	850x200	1
GW 49 817	850x400	1
GW 49 818	850x600	1

**ACCESSORIES SUPPLIED:** fixing accessories.

**CHARACTERISTICS:** possibility of adjusting the plate deeply; plate in steel sheet thickness 20-25/10 mm.



#### BACK-MOUNTING FULL HEIGHT PLATES FOR MOUNTING NON-MODULAR DEVICES

Code	Dimension BxH	Pack Carton
<b>MODULES: 24</b>		
GW 49 828	600x1800	1
GW 49 829	600x2000	1
<b>MODULES: 36</b>		
GW 49 830	850x1800	1
GW 49 831	850x2000	1

**ACCESSORIES SUPPLIED:** fixing accessories.

**CHARACTERISTICS:** steel sheet plate thickness 20-25/10 mm.

**NOTES:** to secure the plate to the structure, use the supports recommended in the following table.

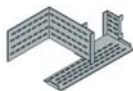


### PAIR OF SUPPORTS FOR FULL HEIGHT BACK-MOUNTING PLATES

Code	For structures (mm)	Pack Carton
GW 49 832	D=400	1
GW 49 833	D=600	1
GW 49 834	D=800	1

ACCESSORIES SUPPLIED: fixing accessories.

## INTERNAL SEPARATIONS



### SEPARATION KIT - FORM 3

Code	Suitable for	Panel dimension BxH (mm)	Pack Carton
<b>INSTALLATION: HORIZONTAL</b>			
GW 49 531	MTS 160	400x200	1
GW 49 532	MTS 250/MTSE 250/MTSM 250	400x300	1
GW 49 533	MTS 630/MTSE 630	400x400	1
GW 49 534	MTSE 1600/MTSM 1600	400x600	1
GW 49 535	MTS 160	600x200	1
GW 49 536	MTS 250/MTSE 250/MTSM 250	600x300	1
GW 49 537	MTS 630/MTSE 630	600x400	1
GW 49 538	MTS 800/MTSE 800/MTSM 800	600x500	1
GW 49 539	MTSE 1600/MTSM 1600	600x600	1
<b>INSTALLATION: VERTICAL</b>			
GW 49 540	MTS 630/MTSE 630 (P=600 mm)	400/600x500	1
GW 49 541	MTS 630/MTSE 630 (P=800 mm)	400/600x500	1
GW 49 542	MTS 800/MTSE 800/MTSM 800 (P=800 mm)	600x600	1
GW 49 543	MTSE 1600/MTSM 1600 (P=800 mm)	600x800	1



### SEPARATION KIT - FORM 4

Code	Suitable for	Front dimensions LxH (mm)	Pack Carton
<b>INSTALLATION: HORIZONTAL</b>			
GW 49 550	MTS 160	400/600 x 200	1
GW 49 551	MTS 250/MTSE 250/MTSM 250	400/600 x 300	1
GW 49 552	MTS 630/MTSE 630	400/600 x 400	1
GW 49 553	MTS 800/MTSE 800/MTSM 800	600x500	1
GW 49 554	MTSE 1600/MTSM 1600	600x600	1
<b>INSTALLATION: VERTICAL</b>			
GW 49 555	MTS 630/MTSE 630 (P=600 mm)	400/600 x 500	1
GW 49 556	MTS 630/MTSE 630 (P=800 mm)	400/600 x 500	1
GW 49 557	MTS 800/MTSE 800/MTSM 800 (P=800 mm)	600x600	1
GW 49 558	MTSE 1600/MTSM 1600 (P=800 mm)	600x800	1

NEW



### DIVIDERS FOR SYSTEMS OF HORIZONTAL BARS IN THE STRUCTURE

Code	Description	Type	Width (mm)	Pack Carton
GW 49 561	Horizontal tray	Universal	400	1
GW 49 562	Horizontal tray	Universal	600	1
GW 49 578	Horizontal tray	Universal	850	1
GW 49 563	Horizontal separation		400	1
GW 49 564	Horizontal separation		600	1
GW 49 565	Vertical separation	Rear	400	1
GW 49 566	Vertical separation	Rear	600	1



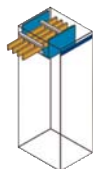
### DIVIDERS FOR SYSTEMS OF VERTICAL BARS IN THE STRUCTURE

Code	Description	Type	For structures (mm)	Height (mm)	Pack Carton
GW 49 567	Vertical separation	Lateral	D=600	1800	1
GW 49 568	Vertical separation	Lateral	D=600	2000	1
GW 49 569	Vertical separation	Lateral	D=800	1800	1
GW 49 570	Vertical separation	Lateral	D=800	2000	1
GW 49 573	N. 4 spacers				1

GW49573: They permit simultaneous mounting of the vertical dividers and of the crosspieces positioned between the functional frame and the rear upright



NEW



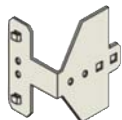
### DIVIDERS FOR BAR SYSTEMS IN THE CABLE COMPARTMENT

Code	Description	For bar	Suitable for	Pack Carton
GW 49 574	Horizontal separation	Horizontal Up/down	Internal compartment	1
GW 49 575	Horizontal separation	Horizontal Up/down	External compartment	1
GW 49 576	Horizontal separation	Horizontal Up/down	Structures B=600 mm	1
GW 49 577	Horizontal separation	Horizontal Up/down	Structures B=850 mm	1
GW 49 571	Rear separation	Vertical	Internal compartment H=1800 mm	1
GW 49 572	Rear separation	Vertical	Internal compartment H=2000 mm	1

**NOTE:** the GW49576 and GW49577 segregations are to be chosen in the case the structure is used as a cable compartment.

## COMPLEMENTARY ITEMS

### ACCESSORIES



### SUPPORTS FOR TERMINAL BLOCKS ON NON-SEPARATED PANELS (OPEN FRAME)

Code	Description	Pack Carton
GW 49 203	N. 2 horizontal supports 45° inclination	1
GW 49 207	N. 2 horizontal supports	1
GW 49 208	N. 4 supports x int. Compart.	1



### PROFILES FOR MODULAR DEVICES AND TERMINALS

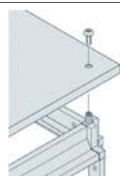
Code	Profile	Length (mm)	Pack Carton
GW 47 691	EN 50022 (DIN 35)	2000	1/5
GW 47 692	EN 50035 (G 32)	2000	1/5
GW 47 693	EN 50024 (C30)	2000	1/5



### KIT FOR LATERAL AND REAR SIDE-BY-SIDE MOUNTING OF IP65 STRUCTURES

Code	Description	Pack Carton
GW 49 163	Coupling kit structures H=1800-2000mm	1

**ACCESSORIES SUPPLIED:** plates and sealing gaskets.



### ROOF AERATION KIT - IP20

Code	Description	Pack Carton
GW 49 164	Roof aeration kit	1

**CHARACTERISTICS:** the kit allows aeration, and therefore the dissipable power to be increased. The protection rating is reduced to IP20.



### ADDITIONAL BLOCK MOUNT H=100MM PAINTED IN BLUE RAL 5003 COLOUR INSPECTABLE ON FOUR SIDES THANKS TO REMOVABLE PANELS

Code	For structure LxD (mm)	Pack Carton
GW 49 131	300x400	1
GW 49 132	300x600	1
GW 49 133	300x800	1
GW 49 134	400x400	1
GW 49 135	400x600	1
GW 49 136	400x800	1
GW 49 137	600x400	1
GW 49 138	600x600	1
GW 49 139	600x800	1
GW 49 140	850x400	1
GW 49 141	850x600	1
GW 49 142	850x800	1

**ACCESSORIES SUPPLIED:** 4 angle bars; 4 panels; mounting elements.

**CHARACTERISTICS:** option of overlapping an additional block-mount to facilitate cable entry and raise the panel.

# 47 CVX 1600 RANGE

FLOOR-MOUNTING BOXES UP TO 3200A



## VENTILATION KIT IP44

Code	Description	Pack Carton
GW 46 448	Fan grill and dust filter	1/2
GW 46 471	Ventilation grill with dust filter	1/10

**NOTE:** hole dimensions 125x117 mm; fixing screw centre distance 123x115 mm.



## MISCELLANEOUS ACCESSORIES

Code	Description	Characteristics	Pack Carton
GW 46 447	Adhesive document pocket	dimensions 310x230 mm	1/10
GW 49 168	N. 2 stiffening brackets	for raising enclosures	1
GW 49 167	N. 2 brackets	for wall fixing	1
GW 47 196	Aerosol spray	colour Grey RAL 7035	1/6
GW 47 296	Aerosol spray	colour Blue RAL 5003	1/6
GW 47 492	N. 2 eyebolts for raising		1
GW 49 162	Insert for security lock	key with standardized code (Yale type)	1

## ACCESSORIES



### PAIR OF CROSSPIECES IN GALVANIZED MATERIAL NON SEPARATED PANELS

Code	Description	For structures (mm)	Pack Carton
GW 49 733	Cross-side structure	D=600	1
GW 49 734	Cross-side structure	D=800	1
GW 49 748	Cross side int. cable compart.	D=400	1
GW 49 737	Cross side int. cable compart.	D=600	1
GW 49 738	Cross side int. cable compart.	D=800	1
GW 49 731	Rear cross	L=600	1
GW 49 732	Rear cross	L=850	1

**ACCESSORIES SUPPLIED:** fixing accessories



### PAIR OF CROSSPIECES IN GALVANIZED MATERIAL FOR ACCESSORIES SEPARATED PANELS

Code	Description	For structures (mm)	Pack Carton
GW 49 735	Cross-side structure	D=600	1
GW 49 736	Cross-side structure	D=800	1
GW 49 731	Rear cross	L=600	1
GW 49 732	Rear cross	L=850	1

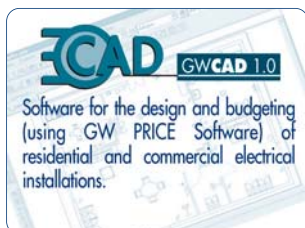
**ACCESSORIES SUPPLIED:** fixing accessories



### PAIR OF CROSSPIECES IN GALVANIZED MATERIAL - FOR REINFORCEMENT

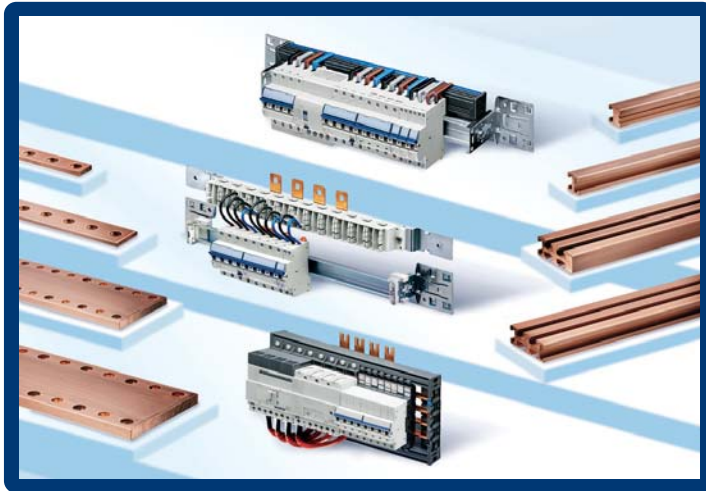
Code	For structures (mm)	Pack Carton
GW 49 745	D=400	1
GW 49 746	D=600	1
GW 49 747	D=800	1

**ACCESSORIES SUPPLIED:** fixing accessories. **NOTE:** Mounting crosspieces on the base/head.



●=March 2004

❖=May 2004



## RAPID GWFIX DISTRIBUTION SYSTEMS

### GWFIX 100 - QUICK DIVIDER 100 A FOR MODULAR DEVICES

NEW



GWFIX 100 - 100 A BAR FRAMES FOR MAKING QUICK COUPLING CONNECTIONS TO SUPPLY POWER TO MODULAR DEVICES

Code	No. EN 50022 modules	Pack Carton
<b>BAR: 100 A 2P (L1/NEUTRAL)</b>		
GW 49 762	12	1/6
GW 49 764	24	1/6
<b>BAR: 100 A 4P</b>		
GW 49 766	12	1/6
GW 49 768	24	1/6
GW 49 769	36	1/6

**CHARACTERISTICS:** fixed joint on the back of the double DIN rail.

**NOTE:** option of combining two 12-module bars on only one 24-module DIN guide.

NEW



#### GWFIX 100 - QUICK COUPLING CONNECTIONS FEVICES

Code	Description	Suitable for	Pack Carton
<b>RATED CURRENT (A): 40</b>			
GW 49 776	L1/Neutral N. 10 connections	MTC (1P+N/2P)	1/6
GW 49 777	L2/Neutral N. 10 connections	MTC (1P+N/2P)	1/6
GW 49 778	L3/Neutral N. 10 connections	MTC (1P+N/2P)	1/6
GW 49 779	L1/L2/L3/Neutral N. 10 connections	MTC (3P/4P)	1/6
<b>RATED CURRENT (A): 63</b>			
GW 49 780	L1 N. 10 connections	MDC MT SE (In=63 A)	1/6
GW 49 781	L2 N. 10 connections	MDC MT SE (In=63 A)	1/6
GW 49 782	L3 N. 10 connections	MDC MT SE (In=63 A)	1/6
GW 49 783	N. 10 connections Neutral	MDC MT SE (In=63 A)	1/6

**NOTE:** GW49779 connection also suitable for MTC 3P because the neutral is pre-drilled.

SE: disconnected control switch.

NEW



#### GWFIX 100 - QUICK COUPLING CONNECTIONS WITH CABLE FOR MODULAR DEVICES

Code	Description	Suitable for	Modules	Pack Carton
<b>RATED CURRENT (A): 16</b>				
GW 49 770	Connection with cable L1/Neutral	Modular accessories 90 Range	2	1/6
GW 49 771	Connection with cable L1/L2/L3	Modular accessories 90 Range	2	1/6
GW 49 772	Connection with cable L1/L2/L3/Neutral	Modular accessories 90 Range	2	1/6
<b>RATED CURRENT (A): 40</b>				
GW 49 773	Connection with cable L1/Neutral	Modular accessories 90 Range MTHP SD SE	2	1/6
GW 49 774	Connection with cable L1/L2/L3	Modular accessories 90 Range MTHP SE	2	1/6
GW 49 775	Connection with cable L1/L2/L3/Neutral	Modular accessories 90 Range MTHP SD SDA SE	2	1/6

**NOTE:** SE: disconnected control switch.

# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS



## GWFIX 100 - QUICK COUPLING MODULES WITH VOLTAGES

NEW

Code	Description	Modules	Pack Carton
<b>POWER SUPPLIES: 100 A 4P WITH CAPLE</b>			
GW 49 784	Power supply L=350 mm with caple	2	1/6
<b>POWER SUPPLIES: PARALLEL 100 A 4P WITH CAPLE</b>			
GW 49 788	Plug power parallel L=400 mm with caple	2	1/6
GW 49 789	Plug power parallel L=600 mm with caple	2	1/6
<b>POWER SUPPLIES: SINGLE-POLE 100 A WITHOUT CAPLE</b>			
GW 49 792	L1 N. 10 term. blocks single-pole power supply	1	1/6
GW 49 793	L2 N. 10 term. blocks single-pole power supply	1	1/6
GW 49 794	L3 N. 10 term. blocks single-pole power supply	1	1/6
GW 49 795	N. 10 term. blocks single-pole power supply Neutral	1	1/6

**NOTE:** GW49792 - GW49793 - GW49794 - GW49795 connection also suitable for equipment In ≤ 100 A MTHP SE SD SDA and 90 Range modular accessories.  
Terminal capacity 35 mm<sup>2</sup>.



## GWFIX 100 - ACCESSORIES

NEW

Code	Description	Pack Carton
GW 49 797	N. 10 24 mod. bar cover	1
GW 49 798	N. 10 36 mod. bar cover	1/6

## GWFIX 250 - QUICK DIVIDER 250 A FOR MODULAR DEVICES



### GWFIX 250 - 250 A DIVIDER EQUIPPED WITH CONDUCTOR WITH QUICK-COUPLING TERM FOR MODULAR DEVICE POWER SUPPLY

Code	Max derived current	No. of outputs	Modules	For distribution boards	Pack Carton
GW 47 201	63 A	12 (4P) o 24 (2P)	24	CVX 160	1/5
GW 47 202	63 A	12 (4P) / 24 (2P)	24	CVX 250 CVX 630 CVX 1600	1/5
GW 47 204	63 A	18 (4P) / 36 (2P)	36	CVX 630 CVX 1600	1/5

**ACCESSORIES SUPPLIED:** conductors with terminal for quick coupling: length 120mm, nominal section 6 mm<sup>2</sup>, nominal current In=40A, type H07 VK.  
width of 24 modules: 12 black conductors, 6 blue conductors;  
width of 36 modules: 18 black conductors, 12 blue conductors;  
**CHARACTERISTICS:** suitable for installation between panels with windows, 200-mm pitch.



### GWFIX 250 - H 07 VK TYPE CONDUCTORS WITH QUICK COUPLING TERMINAL

Code	Section (mm <sup>2</sup> )	Colour	Length (mm)	Pack Carton
<b>RATED CURRENT (A): 40</b>				
GW 47 211	6	Black	120	10/100
GW 47 213	6	Black	500	10/100
GW 47 226	6	Blue	120	10/100
GW 47 228	6	Blue	500	10/100
<b>RATED CURRENT (A): 63</b>				
GW 47 231	10	Black	120	10/100
GW 47 233	10	Black	500	10/100
GW 47 246	10	Blue	120	10/100
GW 47 248	10	Blue	500	10/100

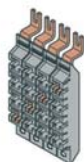
**NOTE:** length= 120 mm crimped terminal. Length= 500 mm terminal without stripping.

## GWFIX 400 - QUICK DIVIDER FOR MODULAR AND BOX-TYPE DEVICES



### GWFIX 400 - FOUR-POLE 400A FRAMES TO FIX CONNECTION DEDICATED BASE MODULES OF MODULAR AND MOULDED-CASE DEVICES UP TO 160A

Code	Description	Section bars (mm)	Modules	Pack Carton
GW 49 601	Frame with bars	25x5	24	1
GW 49 602	Frame with bars	25x5	36	1



### GWFIX 400 - POWER SUPPLY MODULE

Code	Description	Pack Carton
GW 49 603	Module 4P 400A	1



### GWFIX 400 - BASE MODULES FOR MODULAR AND MOULD-CASE DEVICES

Code	Description	Suitable for	Pack Carton
<b>MODULES: BASE IN 16A</b>			
GW 49 604	with cable L1-N high	Modular accessories 90 Range	1/12
GW 49 605	with cable L1-L2 high	Modular accessories 90 Range	1/12
GW 49 606	with cable L1-N low	Modular accessories 90 Range	1/12
GW 49 607	with cable L1-L2 low	Modular accessories 90 Range	1/12
<b>MODULES: BASE IN 40A</b>			
GW 49 608	L1 high	MT (In from to 40 A) - MDC	1/12
GW 49 609	L2 high	MT (In from to 40 A) - MDC	1/12
GW 49 610	L3 high	MT (In from to 40 A) - MDC	1/12
GW 49 611	N high	MT (In from to 40 A) - MDC	1/12
GW 49 615	L1 low	MT (In from to 40 A) - MDC	1/12
GW 49 616	L2 low	MT (In from to 40 A) - MDC	1/12
GW 49 617	L3 low	MT (In from to 40 A) - MDC	1/12
GW 49 618	N low	MT (In from to 40 A) - MDC	1/12
GW 49 612	with cable L1-N high	MTC (1P+N/2P)	1/12
GW 49 613	with cable L2-N high	MTC (1P+N/2P)	1/12
GW 49 614	with cable L3-N high	MTC (1P+N/2P)	1/12
GW 49 751	with cable L1 high	SE (In from to 40 A) PFS (In from to 32 A)	1/12
GW 49 752	with cable L2 high	SE (In from to 40 A) PFS (In from to 32 A)	1/12
GW 49 753	with cable L3 high	SE (In from to 40 A) PFS (In from to 32 A)	1/12
GW 49 754	with cable N high	SE (In from to 40 A) PFS (In from to 32 A)	1/12
<b>MODULES: BASE IN 63A</b>			
GW 49 619	L1 high	MT (In from 40 A to 63 A)	1/12
GW 49 620	L2 high	MT (In from 40 A to 63 A)	1/12
GW 49 621	L3 high	MT (In from 40 A to 63 A)	1/12
GW 49 622	N high	MT (In from 40 A to 63 A)	1/12
GW 49 623	L1 low	MT (In from 40 A to 63 A)	1/12
GW 49 624	L2 low	MT (In from 40 A to 63 A)	1/12
GW 49 625	L3 low	MT (In from 40 A to 63 A)	1/12
GW 49 626	N low	MT (In from 40 A to 63 A)	1/12
<b>MODULES: BASE IN 100A</b>			
GW 49 627	with cable L1 high	SE (In from 63 A to 100 A)	1/12
GW 49 628	with cable L2 high	SE (In from 63 A to 100 A)	1/12
GW 49 629	with cable L3 high	SE (In from 63 A to 100 A)	1/12
GW 49 630	with cable N high	SE (In from 63 A to 100 A)	1/12
<b>MODULES: BASE IN 160A</b>			
GW 49 639	L1 high - L2 low	MTS 160	1/12
GW 49 640	L2 high - L1 low	MTS 160	1/12
GW 49 641	L3 high - N low	MTS 160	1/12
GW 49 642	N high L3 low	MTS 160	1/12

Clamp assembly on the four-pole frame bars. **NOTE:** SE: Disconnecting switch; PFS: fuseholder base.



### GWFIX 400 - FRONT PANELS IN PAINTED SHE DIN PERFORATION

Code	Dimension BxH	For distribution boards	Pack Carton
<b>MODULES: 24</b>			
GW 47 285	600x300	CVX 250 - CVX 630	1/2
GW 49 503	600x300	CVX 1600	1
<b>MODULES: 36</b>			
GW 47 288	850x300	CVX 250 - CVX 630	1/2
GW 49 507	850x300	CVX 1600	1

**ACCESSORIES SUPPLIED:** mounting accessories.

# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS



## GWFIX 400 - ACCESSORIES

Code	Description	Modules	Pack Carton
GW 49 643	Base Module false pole for BD		1/12
GW 49 644	N. 2 covers IP20	10	1/6
GW 49 646	N. 6 trunking supports		1/6
GW 49 691	N. 4 base modules false pole for BDS 160		1

**NOTE:** BDS 160: joined residual current device for MTS 160.



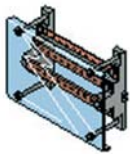
## GWFIX 400 - PAIR OF FIXING SUPPORTS FOR FOUR-POLE 24 AND 36 MODULE FRAMES

Code	For distribution boards	Pack Carton
GW 49 842	CVX 250 - CVX 630	1
GW 49 650	CVX 1600	1

**ACCESSORIES SUPPLIED:** fixing accessories.

## DISTRIBUTION TERMINAL BLOCKS

### HORIZONTAL DIVIDER



#### HORIZONTAL FOUR-POLE DIVIDER 250 A WITH PRE-DRILLED THREADED M6 BARS - 20x5 MM

Code	Dimension (mm)	No. EN 50022 modules	Installation	For distribution boards	Input connecting capacity	Output connecting capacity	Pack Carton
GW 44 700	285x190x70	16	On profile EN 50022	CVX 250 CVX 630 CVX 1600	1xM12	10xM6	1
GW 47 601	600x150x70	24	On functional profile	CVX 250 CVX 630 CVX 1600	2xM8	18xM6	1
GW 47 602	850x150x70	36	On functional profile	CVX 250 CVX 630 CVX 1600	2xM8	26xM6	1

**CHARACTERISTICS:** the connection capacity indicated is "per pole"; option of fixing also on back-mounting plate.

**ACCESSORIES SUPPLIED:** GW44700 installation clip on DIN EN 50022 rail; GW47601-GW47602 fixing brackets on functional profile

### MODULAR DIVIDING



#### SINGLE-POLE MODULAR DIVIDING TERMINAL BLOCK FIXING ON PLATE OR ON EN 50022 RAIL - IP20

Code	External Dim. LxHxD (mm)	No. EN 50022 modules	Input connecting capacity	Output connecting capacity	Pack Carton
<b>RATED CURRENT (A): 160</b>					
GW 44 651	35x92x49	2	1x10-70 mm <sup>2</sup>	6x2,5-16 mm <sup>2</sup>	1/5

**CHARACTERISTICS:** possibility of making single-, two-, three- and four-pole dividers. Terminal grip torque: cables entering 4Nm, cables exiting 1.5 Nm.



#### TWO-POLE MODULAR EQUIPOTENTIAL TERMINAL BLOCKS EQUIPPED WITH TRASPARENT PROTECTION CAP FIXING ON PLATE OR ON RAIL EN 50022 - 500V - T 40°C

Code	External Dim. LxHxD (mm)	No. EN 50022 modules	Input connecting capacity	Output connecting capacity	Pack Carton
<b>RATED CURRENT (A): 100</b>					
GW 44 691	70x49x50	4	1x10-25 mm <sup>2</sup>	(5x2,5-6 + 1x10-25) mm <sup>2</sup>	2/20
<b>RATED CURRENT (A): 125</b>					
GW 44 693	141x49x50	8	1x16-35 mm <sup>2</sup>	(1x16-35+2x10-25+1x2,5-6) mm <sup>2</sup>	1/10

**ACCESSORIES SUPPLIED:** 2 labels for circuit identification.

**CHARACTERISTICS:** the connection capacity indicated is "per pole".



#### FOUR-POLE MODULAR EQUIPOTENTIAL TERMINAL BLOCKS EQUIPPED WITH TRASPARENT PROTECTION CAP FIXING ON PLATE OR ON RAIL EN 50022 - 500V - T 40°C

Code	External Dim. LxHxD (mm)	No. EN 50022 modules	Input connecting capacity	Output connecting capacity	Pack Carton
<b>RATED CURRENT (A): 100</b>					
GW 44 696	70x88,5x50	4	1x10-25 mm <sup>2</sup>	(5x2,5-6 + 1x10-25) mm <sup>2</sup>	2/20
<b>RATED CURRENT (A): 125</b>					
GW 44 698	141x88,5x50	8	1x16-35 mm <sup>2</sup>	(1x16-35+2x10-25+1x16-35) mm <sup>2</sup>	1/10
<b>RATED CURRENT (A): 160</b>					
GW 44 699	185x75x135	10	(1x25-50) mm <sup>2</sup>	(2x16-25+2x10-25+8x6-16) mm <sup>2</sup>	1/5

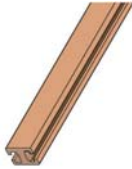
**ACCESSORIES SUPPLIED:** GW44696 and GW44698 with 4 labels for circuit identification.

**CHARACTERISTICS:** GW44699 with protection that can be removed only with a tool; entry cables in lateral position;

terminal grip torque: cables entering 4 Nm, cables exiting 1.5 Nm. The connection capacity indicated is "per pole".

## SHAPED, CONTINUOUS PROFILE BUS-BAR DISTRIBUTION SYSTEMS

### SHAPED BUS-BAR



#### ELECTROLYTIC COPPER SHAPED BUS-BARS

Code	Rated current (A)	Length (mm)	Quantity	For distribution boards	Pack Carton
GW 49 651	400	1730	1	CVX 250 CVX 630 CVX 1600	1
GW 49 652	800	1730	1	CVX 630 CVX 1600	1
GW 49 653	1250	1730	1	CVX 1600	1
GW 49 654	1600	1730	1	CVX 1600	1

### BAR-HOLDERS FOR SHAPED BUS-BARS



#### BUS-BAR HOLDERS

Code	Rated current (A)	Max Icw (kA)	Quantity	For distribution boards	Pack Carton
<b>FOR BAR HOLDER: SCALAR</b>					
GW 49 656	800	35	1	CVX 630 CVX 1600	1
GW 49 657	1600	75	1	CVX 1600	1
<b>FOR BAR HOLDER: LINEAR</b>					
GW 49 658	800	35	1	CVX 250 CVX 630 CVX 1600	1
GW 49 659	1600	75	1	CVX 1600	1
GW 49 660	1600	65	1	CVX 1600	1

### CROSSPIECES FOR SHAPED BAR SYSTEM FOR DISTRIBUTION BOARDS CVX 250 AND CVX 630



#### PAIR OF SUPPORT CROSSPIECES FOR SHAPED VERTICAL BUS-BARS SYSTEMS

Code	For structures B (mm)	Installation	For distribution boards	For bar holder	Pack Carton
GW 47 641	600	On structure base	CVX 250 CVX 630	GW49658	1/5
GW 47 642	850	On structure base	CVX 630	GW49658	1/5
GW 47 643	300	On base of int. compartment	CVX 630	GW49656	1/5

**NOTE:** in B=850 mm structures with internal cable compartment, use the GW47641 crosspieces for bar systems on the bottom of the device compartment B=600 mm.

### CROSSPIECES FOR SHAPED BAR SYSTEM FOR BOXES CVX 1600



#### PAIR OF CROSSPIECES FOR SHAPED VERTICAL BUS-BARS

##### BUS-BARS ON BASE OF THE STRUCTURE

Code	Application	For bar holder	Pack Carton
GW 49 701	Structure B=400	GW49656 - GW49658	1
GW 49 702	Structure B=600	GW49658	1
GW 49 703	Structure B=850	GW49658	1
GW 49 704	Structure B=400	GW49657 - GW49659 - GW49660	1
GW 49 705	Structure B=600	GW49659 - GW49660	1
GW 49 706	Structure B=850	GW49659 - GW49660	1



#### PAIR OF CROSSPIECES FOR SHAPED VERTICAL BUS-BARS

##### BARS ON BASE OF EXTERNAL COMPARTMENT

Code	Application	For bar holder	Pack Carton
GW 49 708	Compartment B=300	GW49656 - GW49657	1



#### PAIR OF CROSSPIECES FOR SHAPED VERTICAL BUS-BARS

##### BARS ON SIDE OF INTERNAL COMPARTMENT

Code	Application	For bar holder	Pack Carton
GW 49 710	Compartment P=400	GW49656	1
GW 49 711	Compartment P=600	GW49659 - GW49660	1
GW 49 712	Compartment P=800	GW49657 - GW49659 - GW49660	1

# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS

**GEWISS**

47 BUSBAR RANGE



## PAIR OF CROSSPIECES FOR SHAPED VERTICAL BUS-BARS BUS-BARS ON SIDE OF STRUCTURE OR EXTERNAL COMPARTMENT

Code	Application	For bar holder	Pack Carton
GW 49 710	Compartment P=400	GW49656	1
GW 49 711	Compartment P=600	GW49657 - GW49659 - GW49660	1
GW 49 712	Compartment P=800	GW49657 - GW49659 - GW49660	1
GW 49 713	Structure P=600-Open frame	GW49660	1
GW 49 714	Structure P=600-Closed frame	GW49660	1
GW 49 715	Structure P=800-Open frame	GW49657 - GW49659 - GW49660	1
GW 49 716	Structure P=800-Closed frame	GW49657 - GW49659 - GW49660	1



## PAIR OF CROSSPIECES FOR SHAPED VERTICAL BUS-BARS CONNECTION TO DIVIDER FOR RCB HI-POWER DEVICES

Code	Application	For bar holder	Pack Carton
GW 49 717	Structure B=600	GW49658	1
GW 49 718	Structure B=850	GW49658	1



## PAIR OF CROSSPIECES FOR SHAPED VERTICAL BUS-BARS HORIZONTAL BARS SET HIGH OF INTERNAL/EXTERNAL COMPARTMENT

Code	Application	For bar holder	Pack Carton
GW 49 711	Structure P=600	GW49660	1
GW 49 720	Structure P=800	GW49659 - GW49660	1

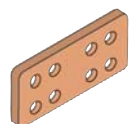


## PAIR OF CROSSPIECES FOR SHAPED VERTICAL BUS-BARS BUS-BARS SET HORIZONTALLY AT EACH HEIGHT

Code	Application	For bar holder	Pack Carton
GW 49 721	Structure B=400	GW49659 - GW49660	1
GW 49 722	Structure B=600	GW49659 - GW49660	1
GW 49 723	Structure B=850	GW49659 - GW49660	1
GW 49 724	Structure P=600	GW49660	1
GW 49 725	Structure P=800	GW49659 - GW49660	1

GW49721 - GW49722 - GW49723: with structures having an 850-mm functional width with internal cable, use GW49722 + GW49723 or 2 crosspieces GW49722 in combination with the intermediate upright.

## ACCESSORIES FOR SHAPED BUS-BARS



### COPPER JOINTS FOR SHAPED BUS-BARS

Code	Description	For bar	With bars	Pack Carton
GW 49 665	N. 4 joints	Shaped 400/800A	Shaped 400/800/1250/1600A	1
GW 49 666	N. 4 joints	Shaped 1250/1600A	Shaped 1250/1600A	1
GW 49 667	N. 4 joints	Shaped 1250/1600A	Plates 2500/3200A	1
GW 49 668	N. 4 junction joints			1

NEW



### M8 SEALING DRIVE-SCREWS FOR SHAPED BUS-BARS

Code	Description	Length (mm)	Suitable for	Pack Carton
GW 49 591	N. 12 screws	20	Terminales	1
GW 49 647	N. 12 screws	27	Copper flat up to 10 mm	1
GW 49 648	N. 12 screws	37	Copper flat up to 20 mm	1

**ACCESSORIES SUPPLIED:** screw cap hoods.

**APPLICATIONS:** they allow fixing between conductors in any position along the bar.



### SUPPORT BASES FOR SHAPED BUS-BARS

Code	Description	For bar	Pack Carton
GW 49 673	N. 4 support bases	400/800A	1
GW 49 674	N. 4 support bases	1250/1600A	1

**APPLICATIONS:** carrier support to be placed inside the bar-holder in the final position so as to hold the bar up in a vertical position.

●=March 2004

❖=May 2004





### SHAPED BUS-BARS ADAPTOR

Code	Description	For bar	For bar holder	Pack Carton
GW 49 675	N. 4 adaptors	400/800A	GW49657 - GW49659 - GW49660	1

## FLAT BAR DISTRIBUTION SYSTEMS

### FLAT BUS-BAR



#### 2 FLAT BUS-BARS IN PRE-DRILLED ELECTROLYTIC COPPER

Code	Rated current (A)	Section (mm)	Length (mm)	For distribution boards	Pack Carton
GW 47 631	250	20x5	1000	CVX 250 CVX 630	1
GW 47 632	400	32x5	1000	CVX 250 CVX 630	1
GW 47 633	630	30x10	1000	CVX 250 CVX 630	1
GW 47 636	250	20x5	1750	CVX 630	1
GW 47 637	400	32 x 5	1750	CVX 630 CVX 1600	1
GW 47 638	630	30x10	1750	CVX 630	1
GW 49 677	630	50 x 5	1750	CVX 1600	1
GW 49 678	800	63 x 5	1750	CVX 1600	1
GW 49 679	1250	100 x 5	1750	CVX 1600	1
GW 49 680	1600	100 x 10	1750	CVX 1600	1

### BAR-HOLDER FOR FLAT BUS-BARS



#### 250 - 630 A PAIR OF LINEAR BAR-HOLDER FOR VERTICAL FLAT BAR SYSTEM FOR CVX 250 AND CVX 630 BOARDS

Code	Rated current (A)	Section bars (mm)	Max Icw (kA)	For distribution boards	Pack Carton
GW 47 611	250	20x5	16	CVX 250	1
GW 47 612	400	32x5	25	CVX 630	1
GW 47 613	630	30x10	35	CVX 630	1

**CHARACTERISTICS:** adjustable fixing rails with M6 screws.



#### 250 - 630 A PAIR OF STAGGERED BAR- HOLDER FOR VERTICAL FLAT BAR SYSTEM FOR CVX 630 BOARDS

Code	Rated current (A)	Section bars (mm)	Max Icw (kA)	For distribution boards	Pack Carton
GW 47 621	250 - 400 - 630	20x5 - 32x5 - 30x10	25	CVX 630	1



#### PAIR OF BAR-HOLDERS FOR FLAT BARS FOR CVX 1600 BOARDS

Code	Rated current (A)	For bar	N. bars for phase	For distribution boards	Pack Carton
GW 49 670	400 - 630 - 800 - 1250	Thickness 5 (mm)	1	CVX 1600	1
GW 49 671	1600	Thickness 10 (mm)	1	CVX 1600	1
GW 49 672	2500	Thickness 10 (mm)	2	CVX 1600	1
GW 49 676	3200	Thickness 10 (mm)	3	CVX 1600	1

NEW

### CROSSPIECES FOR FLAT BAR SYSTEM FOR DISTRIBUTION BOARDS CVX 250 AND CVX630




#### PAIR OF SUPPORT CROSSPIECES FOR FLAT VERTICAL BAR SYSTEMS

Code	For structures B (mm)	Installation	For distribution boards	For bar holder	Pack Carton
GW 47 641	600	On structure base	CVX 250 CVX 630	GW47611 - GW47612 - GW47613	1/5
GW 47 642	850	On structure base	CVX 630	GW47611 - GW47612 - GW47613	1/5
GW 47 643	300	On base of int. compartment	CVX 630	GW47621	1/5


**NOTE:** in B=850 mm structures with internal cable compartment, use the GW47641 crosspieces for bar systems on the bottom of the device compartment B=600 mm.

## CROSSPIECES FOR FLAT BAR SYSTEM FOR BOXES CVX 1600




**PAIR OF SUPPORT CROSSPIECES FOR VERTICAL FLAT BARS BARS ON SIDE OF STRUCTURE**

Code	Application	Pack Carton
GW 49 733	Structure P=600-Open frame	1
GW 49 734	Structure P=800-Open frame	1
GW 49 735	Structure P=600-Closed frame	1
GW 49 736	Structure P=800-Closed frame	1




**PAIR OF SUPPORT CROSSPIECES FOR FLAT VERTICAL BARS BARS ON SIDE OF INTERNAL/EXTERNAL COMPARTMENT**

Code	Application	Pack Carton
GW 49 737	Compartment P=600	1
GW 49 738	Compartment P=800	1



**PAIR OF SUPPORT CROSSPIECES FOR VERTICAL FLAT BARS BARS ON BACK OF STRUCTURE**


Code	Application	Pack Carton
GW 49 731	Structure B=600	1
GW 49 732	Structure B=850	1



**PAIR OF SUPPORT CROSSPIECES FOR HORIZONTAL BARS AT TOP/BOTTOM OF THE STRUCTURE OR INTERNAL/EXTERNAL COMPARTMENT**


Code	Application	Pack Carton
GW 49 749	Structure P=600	1
GW 49 720	Structure P=800	1

NEW



**PAIR OF SUPPORT CROSSPIECES FOR HORIZONTAL FLAT BARS BARS AT ALL HEIGHTS**


Code	Application	Pack Carton
GW 49 741	Structure P=600-Open frame	1
GW 49 742	Structure P=800-Open frame	1
GW 49 743	Structure P=600-Closed frame	1
GW 49 744	Structure P=800-Closed frame	1



**PAIR OF SUPPORT CROSSPIECES FOR HORIZONTAL FLAT BARS BARS AT EVERY INTERNAL/EXTERNAL COMPARTMENT HEIGHT**

Code	Application	Pack Carton
GW 49 739	Structure P=600	1
GW 49 740	Structure P=800	1

## FLEXIBLE STRAPS



**PAIR OF FLEXIBLE STRAPS - LENGTH: 2 METRES**

Code	Rated current (A)	Section (mm)	Pack Carton
GW 47 651	160	2x15,5x0,8	1
GW 47 652	250	3x20x1	1
GW 47 653	400	5x20x1	1
GW 47 654	630	5x32x1	1
GW 47 655	1000	8x40x1	1
GW 47 656	1250	10x50x1	1

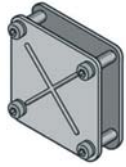
**CHARACTERISTICS:** conductor in electrolytic copper with high resistance compound vinyl insulation (duty voltage 1000 V).  
GW47654: only for switches with extended front or rear couplings.

NEW

# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS

**GEWISS**



## N. 4 REINFORCED STEEL BAR-GRIP FOR BARS

Code	For bar	Pack Carton
GW 49 684	Width 30 mm	1
GW 49 685	Width 40 mm	1
GW 49 686	Width 50 mm	1
GW 49 687	Width 63 mm	1

**ACCESSORIES SUPPLIED:** M6 screws.

**CHARACTERISTICS:** they allow the flexible straps to be tightened onto the flat bars without needing to bore holes in the flexible straps.

47 BUSBAR RANGE

**THE INTEGRATED ELECTRICAL SYSTEM**

**GEWISS: WHEN THE TOTAL IS GREATER THAN THE SUM OF THE COMPONENT PARTS.**

**SAFETY, DESIGN, SERVICE**

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◆=May 2004

●=March 2004

# THE INTEGRATED ELECTRICAL SYSTEM

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