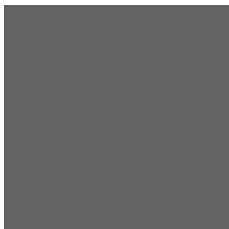
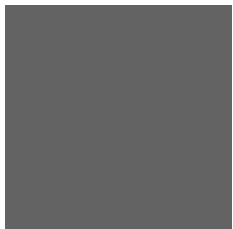
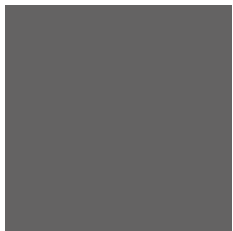
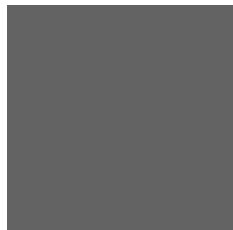
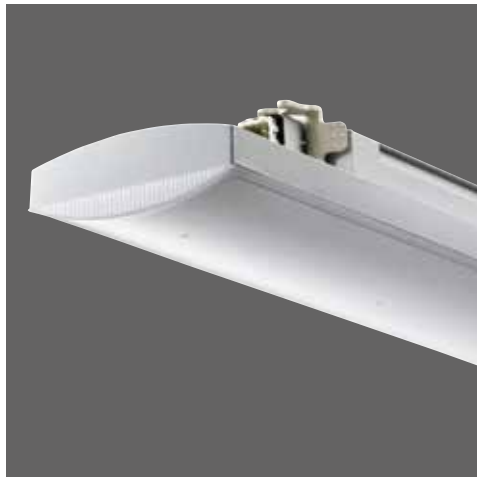




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# Modular circuit breakers for circuit protection

## 90 MCB












MTC - COMPACT MINIATURE CIRCUIT BREAKERS













**MT - MINIATURE CIRCUIT BREAKERS***page 583***MTHP - HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS***page 593*

# 90 MCB

## Selection tables

			MINIATURE CIRCUIT BREAKERS											
			MTC					MT						
														
Icn [A] (EN60898)	Curve	In [A]	1P 1 mod.	1P+N 1 mod.	1P+N* 1 mod.	2P 1 mod.	3P 2 mod.	4P 2 mod.	1P 1 mod.	1P+N 2 mod.	2P 2 mod.	3P 3 mod.	4P 4 mod.	
			<b>MTC 45</b>					<b>MT 45</b>						
4500	C	2	-	GW 90 022	GW 90 602	-	-	-	-	-	-	-	-	
		6	GW 90 005	GW 90 025	GW 90 605	GW 90 045	GW 90 065	GW 90 085	GW 92 105	GW 92 125	GW 92 145	GW 92 165	GW 92 185	
		10	GW 90 006	GW 90 026	GW 90 606	GW 90 046	GW 90 066	GW 90 086	GW 92 106	GW 92 126	GW 92 146	GW 92 166	GW 92 186	
		13	GW 90 011	GW 90 031	-	GW 90 051	GW 90 071	GW 90 091	GW 92 107	GW 92 127	GW 92 147	GW 92 167	GW 92 187	
		16	GW 90 007	GW 90 027	GW 90 607	GW 90 047	GW 90 067	GW 90 087	GW 92 108	GW 92 128	GW 92 148	GW 92 168	GW 92 188	
		20	GW 90 008	GW 90 028	GW 90 608	GW 90 048	GW 90 068	GW 90 088	GW 92 109	GW 92 129	GW 92 149	GW 92 169	GW 92 189	
		25	GW 90 009	GW 90 029	GW 90 609	GW 90 049	GW 90 069	GW 90 089	GW 92 110	GW 92 130	GW 92 150	GW 92 170	GW 92 190	
	32	GW 90 010	GW 90 030	GW 90 610	GW 90 050	GW 90 070	GW 90 090	GW 92 111	GW 92 131	GW 92 151	GW 92 171	GW 92 191		
	40	-	-	-	-	-	-	-	GW 92 112	GW 92 132	GW 92 152	GW 92 172	GW 92 192	
	B	6	-	-	-	-	-	-	-	GW 92 305	GW 92 325	GW 92 345	GW 92 365	GW 92 385
		10	-	-	-	-	-	-	-	GW 92 306	GW 92 326	GW 92 346	GW 92 366	GW 92 386
		13	-	-	-	-	-	-	-	GW 92 307	GW 92 327	GW 92 347	GW 92 367	GW 92 387
		16	-	-	-	-	-	-	-	GW 92 308	GW 92 328	GW 92 348	GW 92 368	GW 92 388
		20	-	-	-	-	-	-	-	GW 92 309	GW 92 329	GW 92 349	GW 92 369	GW 92 389
25		-	-	-	-	-	-	-	GW 92 310	GW 92 330	GW 92 350	GW 92 370	GW 92 390	
32		-	-	-	-	-	-	-	GW 92 311	GW 92 331	GW 92 351	GW 92 371	GW 92 391	
40	-	-	-	-	-	-	-	GW 92 312	GW 92 332	GW 92 352	GW 92 372	GW 92 392		
			<b>MTC 60</b>					<b>MT 60</b>						
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 90 225	-	GW 90 245	GW 90 265	GW 90 285	GW 92 005	GW 92 025	GW 92 045	GW 92 065	GW 92 085	
		10	-	GW 90 226	-	GW 90 246	GW 90 266	GW 90 286	GW 92 006	GW 92 026	GW 92 046	GW 92 066	GW 92 086	
		13	-	GW 90 231	-	GW 90 251	GW 90 271	GW 90 291	GW 92 014	GW 92 034	GW 92 054	GW 92 074	GW 92 094	
		16	-	GW 90 227	-	GW 90 247	GW 90 267	GW 90 287	GW 92 007	GW 92 027	GW 92 047	GW 92 067	GW 92 087	
		20	-	GW 90 228	-	GW 90 248	GW 90 268	GW 90 288	GW 92 008	GW 92 028	GW 92 048	GW 92 068	GW 92 088	
		25	-	GW 90 229	-	GW 90 249	GW 90 269	GW 90 289	GW 92 009	GW 92 029	GW 92 049	GW 92 069	GW 92 089	
		32	-	GW 90 230	-	GW 90 250	GW 90 270	GW 90 290	GW 92 010	GW 92 030	GW 92 050	GW 92 070	GW 92 090	
		40	-	-	-	-	-	-	GW 92 011	GW 92 031	GW 92 051	GW 92 071	GW 92 091	
		50	-	-	-	-	-	-	GW 92 012	GW 92 032	GW 92 052	GW 92 072	GW 92 092	
		63	-	-	-	-	-	-	GW 92 013	GW 92 033	GW 92 053	GW 92 073	GW 92 093	
	B	6	-	GW 90 325	-	GW 90 345	-	-	GW 92 205	-	GW 92 245	GW 92 265	GW 92 285	
		10	-	GW 90 326	-	GW 90 346	-	-	GW 92 206	-	GW 92 246	GW 92 266	GW 92 286	
		13	-	GW 90 327	-	GW 90 347	-	-	GW 92 214	-	GW 92 254	GW 92 274	GW 92 294	
		16	-	GW 90 328	-	GW 90 348	-	-	GW 92 207	-	GW 92 247	GW 92 267	GW 92 287	
		20	-	GW 90 329	-	GW 90 349	-	-	GW 92 208	-	GW 92 248	GW 92 268	GW 92 288	
		25	-	GW 90 330	-	GW 90 350	-	-	GW 92 209	-	GW 92 249	GW 92 269	GW 92 289	
		32	-	GW 90 331	-	GW 90 351	-	-	GW 92 210	-	GW 92 250	GW 92 270	GW 92 290	
		40	-	-	-	-	-	-	GW 92 211	-	GW 92 251	GW 92 271	GW 92 291	
		50	-	-	-	-	-	-	GW 92 212	-	GW 92 252	GW 92 272	GW 92 292	
		63	-	-	-	-	-	-	GW 92 213	-	GW 92 253	GW 92 273	GW 92 293	
		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
			13	-	-	-	-	-	-	GW 92 414	-	GW 92 454	GW 92 474	GW 92 494
			16	-	-	-	-	-	-	GW 92 407	-	GW 92 447	GW 92 467	GW 92 487
20	-		-	-	-	-	-	GW 92 408	-	GW 92 448	GW 92 468	GW 92 488		
25	-		-	-	-	-	-	GW 92 409	-	GW 92 449	GW 92 469	GW 92 489		
32	-		-	-	-	-	-	GW 92 410	-	GW 92 450	GW 92 470	GW 92 490		
40	-		-	-	-	-	-	GW 92 411	-	GW 92 451	GW 92 471	GW 92 491		

\* Miniature circuit breakers with neutral on the left

			MINIATURE CIRCUIT BREAKERS												
			MTC		MT				MTHP						
															
Icn [A] (EN60898)	Curve	In [A]	1P+N 1 mod.	2P 1 mod.	1P 1 mod.	2P 2 mod.	3P 3 mod.	4P 4 mod.	1P 1.5 mod.	2P 3 mod.	3P 4.5 mod.	4P 6 mod.			
			<b>MTC 100</b>				<b>MT 100</b>								
<b>10000</b>	<b>C</b>	6	GW 90 425	GW 90 445	GW 92 605	GW 92 645	GW 92 665	GW 92 685	-	-	-	-			
		10	GW 90 426	GW 90 446	GW 92 606	GW 92 646	GW 92 666	GW 92 686	-	-	-	-			
		13	GW 90 431	GW 90 451	GW 92 614	GW 92 654	GW 92 674	GW 92 694	-	-	-	-			
		16	GW 90 427	GW 90 447	GW 92 607	GW 92 647	GW 92 667	GW 92 687	-	-	-	-			
		20	GW 90 428	GW 90 448	GW 92 608	GW 92 648	GW 92 668	GW 92 688	-	-	-	-			
		25	GW 90 429	GW 90 449	GW 92 609	GW 92 649	GW 92 669	GW 92 689	-	-	-	-			
		32	GW 90 430	GW 90 450	GW 92 610	GW 92 650	GW 92 670	GW 92 690	-	-	-	-			
		40	-	-	GW 92 611	GW 92 651	GW 92 671	GW 92 691	-	-	-	-			
	50	-	-	GW 92 612	GW 92 652	GW 92 672	GW 92 692	-	-	-	-				
	63	-	-	GW 92 613	GW 92 653	GW 92 673	GW 92 693	-	-	-	-				
	<b>B</b>	6	-	-	GW 92 505	GW 92 545	GW 92 565	GW 92 585	-	-	-	-			
		10	-	-	GW 92 506	GW 92 546	GW 92 566	GW 92 586	-	-	-	-			
		13	-	-	GW 92 507	GW 92 547	GW 92 567	GW 92 587	-	-	-	-			
		16	-	-	GW 92 508	GW 92 548	GW 92 568	GW 92 588	-	-	-	-			
		20	-	-	GW 92 509	GW 92 549	GW 92 569	GW 92 589	-	-	-	-			
		25	-	-	GW 92 510	GW 92 550	GW 92 570	GW 92 590	-	-	-	-			
		32	-	-	GW 92 511	GW 92 551	GW 92 571	GW 92 591	-	-	-	-			
		40	-	-	GW 92 512	GW 92 552	GW 92 572	GW 92 592	-	-	-	-			
	50	-	-	GW 92 513	GW 92 553	GW 92 573	GW 92 593	-	-	-	-				
	63	-	-	GW 92 514	GW 92 554	GW 92 574	GW 92 594	-	-	-	-				
	<b>D</b>	1	-	-	GW 92 701	GW 92 741	GW 92 761	GW 92 781	-	-	-	-			
		2	-	-	GW 92 702	GW 92 742	GW 92 762	GW 92 782	-	-	-	-			
		3	-	-	GW 92 703	GW 92 743	GW 92 763	GW 92 783	-	-	-	-			
		4	-	-	GW 92 704	GW 92 744	GW 92 764	GW 92 784	-	-	-	-			
		6	-	-	GW 92 705	GW 92 745	GW 92 765	GW 92 785	-	-	-	-			
		10	-	-	GW 92 706	GW 92 746	GW 92 766	GW 92 786	-	-	-	-			
		13	-	-	GW 92 714	GW 92 754	GW 92 774	GW 92 794	-	-	-	-			
		16	-	-	GW 92 707	GW 92 747	GW 92 767	GW 92 787	-	-	-	-			
		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	-	-	-	-			
								<b>MTHP 160</b>							
	<b>10000</b> <b>(16kA</b> <b>EN60947-2)</b>	<b>C</b>	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		
		<b>D</b>	50	-	-	-	-	-	-	GW 93 355	GW 94 375	GW 93 385	GW 93 395		
			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				
							<b>MT 250</b>				<b>MTHP 250</b>				
<b>12500</b>	<b>C</b>	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	-	-	-	-			
<b>15000</b>	<b>C</b>	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	-	-	-	-			
<b>20000</b>	<b>C</b>	25	-	-	GW 92 809	GW 92 849	GW 92 869	GW 92 889	-	-	-	-			
<b>25000</b>	<b>C</b>	6	-	-	GW 92 805	GW 92 845	GW 92 865	GW 92 885	-	-	-	-			
		10	-	-	GW 92 806	GW 92 846	GW 92 866	GW 92 886	-	-	-	-			
		16	-	-	GW 92 807	GW 92 847	GW 92 867	GW 92 887	-	-	-	-			
		20	-	-	GW 92 808	GW 92 848	GW 92 868	GW 92 888	GW 93 201	GW 93 221	GW 93 231	GW 93 241			
		25	-	-	-	-	-	-	GW 93 202	GW 93 222	GW 93 232	GW 93 242			
		32	-	-	-	-	-	-	GW 93 203	GW 93 223	GW 93 233	GW 93 243			
		40	-	-	-	-	-	-	GW 93 204	GW 93 224	GW 93 234	GW 93 244			
		50	-	-	-	-	-	-	GW 93 205	GW 93 225	GW 93 235	GW 93 245			
63	-	-	-	-	-	-	GW 93 206	GW 93 226	GW 93 236	GW 93 246					

# 90 MCB





## MCB - MTC - MT - MTHP

### Technical data

TYPE		MTC			MT			
		MTC45	MTC60	MTC100	MT 45	MT 60		
Standards		IEC EN 60898-1 IEC EN 60947-2						
Rated current (In)	(A)	2-32	6-32	6-32	6-40	1-63		
Utilization category		A	A	A	A	A		
Rated operational voltage (Ue)	(V)	230/400 - 240/415	230/400 - 240/415	230 - 240	230/400 - 240/415	230/400 - 240/415		
Minimum operating voltage (Ue min)	(V)	12 AC/DC	12 AC/DC	12 AC/DC	12 AC/DC	12 AC/DC		
Maximum operating voltage (Ue max)	(V)	440 AC / 250 DC	440 AC / 250 DC	253 AC / 125 DC	440 AC / 250 DC	440 AC / 250 DC		
Insulation voltage (Ui)	(V)	500	500	500	500	500		
Rated frequency	(Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60		
Rated impulse withstand voltage (Uimp)	(kV)	4	4	4	4	4		
Overvoltage category:		III	III	III	III	III		
Number of poles		1 1+N,2 3,4	1+N,2 3,4	1+N,2	1,1+N 2,3,4	1,1+N 2,3,4		
Energy limiting class (B and C curve):		3 3 3	3	3 (≤16A) 1 (>16A)	3	3 3	3 3	
<b>Breaking capacity</b>								
Alternating current	IEC/EN 60898-1	Icn	(A)	4500	6000 <sup>(1)</sup> 6000	10000 <sup>(1)</sup>	4500	6000
		Ics	(A)	1 Icn	1 Icn	0.75 Icn	1 Icn	1 Icn
	IEC/EN 60947-2	Icu	230/240 V (kA)	4.5 6 6	10 10	15	4.5 6	10 20
		Ics	400/415 V (kA)	- - 4.5	- 6	-	- 6	- 10
Direct current	IEC/EN 60947-2	Icu	(kA)	100% Icu	100% Icu	75% Icu	100% Icu	75% Icu
		Icu (1 pole) 72 V	(kA)	6	10	-	6	10
		Ics (2 poles in series) 125 V	(kA)	6	10	10 (15 at 72V)	6	10
		Ics (4 poles in series) 250 V	(kA)	4.5	6	-	4.5	10
		Icu (1 pole) 72 V	(kA)	6	10	-	6	10
		Ics (2 poles in series) 125 V	(kA)	6	10	10 (15 at 72V)	6	10
Wiring	cable section (mm <sup>2</sup> )	rigid		≤ 1x16 - ≤ 1x10+1x6	≤ 1x16 - ≤ 1x10+1x6	≤ 1x16 - ≤ 1x10+1x6	≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10	≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10
		flexible		≤ 1x10 - ≤ 2x6	≤ 1x10 - ≤ 2x6	≤ 1x10 - ≤ 2x6	≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10	≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10
Screwdriver suggested:		PZ2						
Electrical endurance:		10000						
Mechanical endurance:		20000						
Max. no. of usable modular accessories:		2						
Upline/downline power supply:		yes						
ON/OFF status displayed:		yes						
Mounting position:		any						
Type of residual current device:		-						
Rated tightening torque:		(Nm) 1.2 1.2 1.2 2 2						
Degree of protection:	terminals	IP20						
	front	IP40						
Pollution degree:		2						
Tropicalization:		55°C - RH 95%						
Reference temperature:		(°C) 30						
Operating temperature:		(°C) -25 +60						
Stocking temperature:		(°C) -40 +70						
Double connection (cable+fork busbar)		no						
Weight:		(g) 135 (per module) 135 (per module) 135 (per module) 145 (per pole) 145 (per pole)						
Tripping characteristic		C C B C C B C B D						
Rated currents available In:		(A) - - - - - 1 - -						
		2 - - - - - 2 - -						
		- - - - - 3 - -						
		- - - - - 4 - -						
		6 6 6 6 6 6 6 6 6						
		10 10 10 10 10 10 10 10 10						
		13 13 13 13 13 13 13 13 13						
		16 16 16 16 16 16 16 16 16						
		20 20 20 20 20 20 20 20 20						
		25 25 25 25 25 25 25 25 25						
		32 32 32 32 32 32 32 32 32						
		- - - - - 40 40 40 40 40						
		- - - - - 50 50 -						
		- - - - - 63 63 -						
		- - - - - - - -						
		- - - - - - - -						

<sup>(1)</sup> Breaking capacity of the single pole Icn=4500A

<sup>(2)</sup> ≤95mm<sup>2</sup> with reduced connection terminal (width connection < 17mm)

MT												MTHP																							
MT 100						MT 250						MTHP 160						MTHP 250																	
																																			
IEC EN 60898-1												IEC EN 60947-2																							
1-25			32-63			6-20			25			32-40			50-63			50-125			20-63														
A			A			A			A			A			A			A			A														
230/400 - 240/415			230/400 - 240/415			230/400 - 240/415			230/400 - 240/415			230/400 - 240/415			230/400 - 240/415			230/400			230/400														
12 AC/DC			12 AC/DC			12 AC/DC			12 AC/DC			12 AC/DC			12 AC/DC			12 AC/DC			12 AC/DC														
440 AC/250 DC			440 AC/220 DC			440 AC/250 DC			440 AC/250 DC			440 AC/250 DC			440 AC/250 DC			440 AC/250 DC			440 AC/250 DC														
500			500			500			500			500			500			500			500														
50/60			50/60			50/60			50/60			50/60			50/60			50/60			50/60														
4			4			4			4			4			4			6			6														
III			III			III			III			III			III			IV			IV														
1	2	3,4	1	2	3,4	1	2	3,4	1	2	3,4	1	2	3,4	1	2	3,4	1	2	3,4	1	2	3,4												
3	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
10000			10000			25000			20000			15000			12500			10000			25000														
0.75 Icn			0.75 Icn			0.75 Icn			0.75 Icn			0.75 Icn			0.75 Icn			0.75 Icn			0.75 Icn														
15	30	25	12.5	25	20	25	50	40	20	40	30	15	30	25	15	25	20	16	20	25	50	30													
-	20	15	-	15	12.5	-	30	25	-	25	20	-	20	15	-	15	15	4.5	16	6	25	25													
50% Icu			50% Icu			50% Icu			50% Icu			50% Icu			50% Icu			50% Icu			75% Icu														
10			10			20			20			20			20			10			25														
10			10			15			15			15			15			10			20														
15			15			25			25			25			25			15			30														
15			15			20			20			20			20			12			25														
15			15			25			25			25			25			15			25														
12			12			20			20			20			20			12			20														
1x35 - . 2x16 - . 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x70 - ≤ 2x25 - ≤ 2x25+1x10			≤ 1x70 - ≤ 2x25 - ≤ 2x25+1x10														
1x35 - . 2x16 - . 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x50 <sup>(2)</sup> - ≤ 2x25 - ≤ 3x16			≤ 1x50 <sup>(2)</sup> - ≤ 2x25 - ≤ 3x16														
PZ2			PZ2			PZ2			PZ2			PZ2			PZ2			PZ2			PZ2														
10000			10000			10000			10000			10000			10000			10000			10000														
20000			20000			20000			20000			20000			20000			20000			20000														
2			2			2			2			2			2			2			2														
yes			yes			yes			yes			yes			yes			yes			yes														
yes			yes			yes			yes			yes			yes			yes			yes														
any			any			any			any			any			any			any			any														
Add-on RCD BD			Add-on RCD BD			Add-on RCD BD			Add-on RCD BD			Add-on RCD BD			Add-on RCD BD			Add-on RCD BDHP			Add-on RCD BDHP														
2			2			2			2			2			2			3.5 / 3 (terminal)			3.5 / 3 (terminal)														
IP20			IP20			IP20			IP20			IP20			IP20			IP20			IP20														
IP40			IP40			IP40			IP40			IP40			IP40			IP40			IP40														
2			2			2			2			2			2			2			2														
55°C - RH 95%			55°C - RH 95%			55°C - RH 95%			55°C - RH 95%			55°C - RH 95%			55°C - RH 95%			55°C - RH 95%			55°C - RH 95%														
30			30			30			30			30			30			30			30														
-25 +60			-25 +60			-25 +60			-25 +60			-25 +60			-25 +60			-25 +60			-25 +60														
-40 +70			-40 +70			-40 +70			-40 +70			-40 +70			-40 +70			-40 +70			-40 +70														
yes (only downstream)			yes (only downstream)			yes (only downstream)			yes (only downstream)			yes (only downstream)			yes (only downstream)			no			no														
145 (per pole)			145 (per pole)			145 (per pole)			145 (per pole)			145 (per pole)			145 (per pole)			250 (per pole)			250 (per pole)														
C	B	D	C			C			C			C			C			C	D	C	C														
-	-	1	-			-			-			-			-			-	-	-	-														
-	-	2	-			-			-			-			-			-	-	-	-														
-	-	3	-			-			-			-			-			-	-	-	-														
-	-	4	-			-			-			-			-			-	-	-	-														
6	6	6	6			6			6			6			6			-	-	-	-														
10	10	10	10			10			10			10			10			-	-	-	-														
13	13	13	13			13			13			13			13			-	-	-	-														
16	16	16	16			16			16			16			16			-	-	-	-														
20	20	20	20			20			20			20			20			-	-	-	20														
25	25	25	25			25			25			25			25			-	-	-	25														
32	32	32	32			32			32			32			32			-	-	-	32														
40	40	40	40			40			40			40			40			-	-	-	40														
50	50	-	50			50			50			50			50			-	50	-	50														
63	63	-	63			63			63			63			63			-	63	-	63														
-	-	-	-			-			-			-			-			80	80	-	-														
-	-	-	-			-			-			-			-			100	100	-	-														
-	-	-	-			-			-			-			-			125	-	-	-														



# 90 MCB

## Modular circuit breakers for circuit protection

The 90 MCB range meets any requirement for protection against overcurrent and short-circuit, for all domestic, commercial and industrial applications.

The range comprises MTC, compact miniature circuit breakers (from 2 to 32 A, curves B and C up to 10 kA) MT traditional miniature circuit breakers (from 1 to 63 A, curves B, C and D up to 25 kA) MTHP High-Power Miniature circuit breakers (from 20 to 125 A, curves C and D up to 25 kA).



**Technical characteristics page 595**

## MTC - COMPACT MINIATURE CIRCUIT BREAKERS

MTC 45 - C CURVE - 4500 A (EN 60898) - 4.5 KA (EN 60947-2)

BREAKING CAPACITY 1P			
230V	EN60898	EN60947-2	
$I_n$	$I_{cs}$	$I_{cu}$	
6-32 A	4500 A	4.5 kA	

BREAKING CAPACITY 1P+N-2-3-4P			
230V	EN60898	EN60947-2	
$I_n$	$I_{cs}$	$I_{cu}$	
2-32 A	4500 A	6 kA	

BREAKING CAPACITY 3-4P			
400V	EN60898	EN60947-2	
$I_n$	$I_{cs}$	$I_{cu}$	
6-32 A	4500 A	4.5 kA	



GW 90 046

### COMPACT MINIATURE CIRCUIT BREAKERS

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P</b>				
GW 90 005	6 A	230-400 V	1	6/24
GW 90 006	10 A	230-400 V	1	6/24
GW 90 011	13 A	230-400 V	1	6/24
GW 90 007	16 A	230-400 V	1	6/24
GW 90 008	20 A	230-400 V	1	6/24
GW 90 009	25 A	230-400 V	1	6/24
GW 90 010	32 A	230-400 V	1	6/24
<b>No. of poles: 1P+N</b>				
GW 90 022	2 A	230 V	1	6/24
GW 90 025	6 A	230 V	1	6/24
GW 90 026	10 A	230 V	1	6/24
GW 90 031	13 A	230 V	1	6/24
GW 90 027	16 A	230 V	1	6/24
GW 90 028	20 A	230 V	1	6/24
GW 90 029	25 A	230 V	1	6/24
GW 90 030	32 A	230 V	1	6/24
<b>No. of poles: 1P+N (N-conductor left)</b>				
GW 90 602	2 A	230 V	1	6/24
GW 90 605	6 A	230 V	1	6/24
GW 90 606	10 A	230 V	1	6/24
GW 90 607	16 A	230 V	1	6/24
GW 90 608	20 A	230 V	1	6/24
GW 90 609	25 A	230 V	1	6/24
GW 90 610	32 A	230 V	1	6/24
<b>No. of poles: 2P</b>				
GW 90 045	6 A	230 V	1	6/24
GW 90 046	10 A	230 V	1	6/24
GW 90 051	13 A	230 V	1	6/24
GW 90 047	16 A	230 V	1	6/24
GW 90 048	20 A	230 V	1	6/24
GW 90 049	25 A	230 V	1	6/24
GW 90 050	32 A	230 V	1	6/24
<b>No. of poles: 3P</b>				
GW 90 065	6 A	230-400 V	2	3/12
GW 90 066	10 A	230-400 V	2	3/12
GW 90 071	13 A	230-400 V	2	3/12
GW 90 067	16 A	230-400 V	2	3/12
GW 90 068	20 A	230-400 V	2	3/12
GW 90 069	25 A	230-400 V	2	3/12
GW 90 070	32 A	230-400 V	2	3/12

to be continued on next page



GW 90 046

(CONTINUE)

**COMPACT MINIATURE CIRCUIT BREAKERS**

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 4P</b>				
GW 90 085	6 A	230-400 V	2	3/12
GW 90 086	10 A	230-400 V	2	3/12
GW 90 091	13 A	230-400 V	2	3/12
GW 90 087	16 A	230-400 V	2	3/12
GW 90 088	20 A	230-400 V	2	3/12
GW 90 089	25 A	230-400 V	2	3/12
GW 90 090	32 A	230-400 V	2	3/12

**MTC 60 - C CURVE - 6000 A (EN 60898) - 6 KA (EN 60947-2)**



GW 90 290

**COMPACT MINIATURE CIRCUIT BREAKERS**

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P+N</b>				
GW 90 225	6 A	230 V	1	6/24
GW 90 226	10 A	230 V	1	6/24
GW 90 231	13 A	230 V	1	6/24
GW 90 227	16 A	230 V	1	6/24
GW 90 228	20 A	230 V	1	6/24
GW 90 229	25 A	230 V	1	6/24
GW 90 230	32 A	230 V	1	6/24
<b>No. of poles: 2P</b>				
GW 90 245	6 A	230 V	1	6/24
GW 90 246	10 A	230 V	1	6/24
GW 90 251	13 A	230 V	1	6/24
GW 90 247	16 A	230 V	1	6/24
GW 90 248	20 A	230 V	1	6/24
GW 90 249	25 A	230 V	1	6/24
GW 90 250	32 A	230 V	1	6/24
<b>No. of poles: 3P</b>				
GW 90 265	6 A	230-400 V	2	3/12
GW 90 266	10 A	230-400 V	2	3/12
GW 90 271	13 A	230-400 V	2	3/12
GW 90 267	16 A	230-400 V	2	3/12
GW 90 268	20 A	230-400 V	2	3/12
GW 90 269	25 A	230-400 V	2	3/12
GW 90 270	32 A	230-400 V	2	3/12
<b>No. of poles: 4P</b>				
GW 90 285	6 A	230-400 V	2	3/12
GW 90 286	10 A	230-400 V	2	3/12
GW 90 291	13 A	230-400 V	2	3/12
GW 90 287	16 A	230-400 V	2	3/12
GW 90 288	20 A	230-400 V	2	3/12
GW 90 289	25 A	230-400 V	2	3/12
GW 90 290	32 A	230-400 V	2	3/12



GW 90 046

(CONTINUE)

**COMPACT MINIATURE CIRCUIT BREAKERS**

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 4P</b>				
GW 90 085	6 A	230-400 V	2	3/12
GW 90 086	10 A	230-400 V	2	3/12
GW 90 091	13 A	230-400 V	2	3/12
GW 90 087	16 A	230-400 V	2	3/12
GW 90 088	20 A	230-400 V	2	3/12
GW 90 089	25 A	230-400 V	2	3/12
GW 90 090	32 A	230-400 V	2	3/12

**MTC 60 - C CURVE - 6000 A (EN 60898) - 6 KA (EN 60947-2)**



GW 90 290

**COMPACT MINIATURE CIRCUIT BREAKERS**

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P+N</b>				
GW 90 225	6 A	230 V	1	6/24
GW 90 226	10 A	230 V	1	6/24
GW 90 231	13 A	230 V	1	6/24
GW 90 227	16 A	230 V	1	6/24
GW 90 228	20 A	230 V	1	6/24
GW 90 229	25 A	230 V	1	6/24
GW 90 230	32 A	230 V	1	6/24
<b>No. of poles: 2P</b>				
GW 90 245	6 A	230 V	1	6/24
GW 90 246	10 A	230 V	1	6/24
GW 90 251	13 A	230 V	1	6/24
GW 90 247	16 A	230 V	1	6/24
GW 90 248	20 A	230 V	1	6/24
GW 90 249	25 A	230 V	1	6/24
GW 90 250	32 A	230 V	1	6/24
<b>No. of poles: 3P</b>				
GW 90 265	6 A	230-400 V	2	3/12
GW 90 266	10 A	230-400 V	2	3/12
GW 90 271	13 A	230-400 V	2	3/12
GW 90 267	16 A	230-400 V	2	3/12
GW 90 268	20 A	230-400 V	2	3/12
GW 90 269	25 A	230-400 V	2	3/12
GW 90 270	32 A	230-400 V	2	3/12
<b>No. of poles: 4P</b>				
GW 90 285	6 A	230-400 V	2	3/12
GW 90 286	10 A	230-400 V	2	3/12
GW 90 291	13 A	230-400 V	2	3/12
GW 90 287	16 A	230-400 V	2	3/12
GW 90 288	20 A	230-400 V	2	3/12
GW 90 289	25 A	230-400 V	2	3/12
GW 90 290	32 A	230-400 V	2	3/12

# 90 MCB

## MTC 60 - B CURVE - 6000 A (EN 60898) - 7,5 KA (EN 60947-2)

BREAKING CAPACITY 1P+N-2P		
230V	EN60898	EN60947-2
I <sub>cn</sub>	I <sub>cu</sub>	I <sub>cu</sub>
I <sub>cn</sub> =6-32 A	6000 A	10 kA



GW 90 326

### COMPACT MINIATURE CIRCUIT BREAKERS

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P+N</b>				
GW 90 325	6 A	230 V	1	6/24
GW 90 326	10 A	230 V	1	6/24
GW 90 327	13 A	230 V	1	6/24
GW 90 328	16 A	230 V	1	6/24
GW 90 329	20 A	230 V	1	6/24
GW 90 330	25 A	230 V	1	6/24
GW 90 331	32 A	230 V	1	6/24
<b>No. of poles: 2P</b>				
GW 90 345	6 A	230 V	1	6/24
GW 90 346	10 A	230 V	1	6/24
GW 90 347	13 A	230 V	1	6/24
GW 90 348	16 A	230 V	1	6/24
GW 90 349	20 A	230 V	1	6/24
GW 90 350	25 A	230 V	1	6/24
GW 90 351	32 A	230 V	1	6/24

## MTC 100 - C CURVE - 10000 A (EN 60898) - 10 KA (EN 60947-2)

BREAKING CAPACITY 1P+N-2P		
230V	EN60898	EN60947-2
I <sub>cn</sub>	I <sub>cu</sub>	I <sub>cu</sub>
I <sub>cn</sub> =6-32 A	10000 A	15 kA



GW 90 446

### COMPACT MINIATURE CIRCUIT BREAKERS

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P+N</b>				
GW 90 425	6 A	230 V	1	6/24
GW 90 426	10 A	230 V	1	6/24
GW 90 431	13 A	230 V	1	6/24
GW 90 427	16 A	230 V	1	6/24
GW 90 428	20 A	230 V	1	6/24
GW 90 429	25 A	230 V	1	6/24
GW 90 430	32 A	230 V	1	6/24
<b>No. of poles: 2P</b>				
GW 90 445	6 A	230 V	1	6/24
GW 90 446	10 A	230 V	1	6/24
GW 90 451	13 A	230 V	1	6/24
GW 90 447	16 A	230 V	1	6/24
GW 90 448	20 A	230 V	1	6/24
GW 90 449	25 A	230 V	1	6/24
GW 90 450	32 A	230 V	1	6/24

**MT - MINIATURE CIRCUIT BREAKERS**

MT 45 - C CURVE - 4500 A (EN 60898) - 6 KA (EN 60947-2)

BREAKING CAPACITY 1P, 1P+N			
230V	EN60898	EN60947-2	
<i>I<sub>n</sub></i> =6-40A	<i>I<sub>cm</sub></i>	<i>I<sub>cu</sub></i>	
	4500 A	6 kA	

BREAKING CAPACITY 2-3-4P			
230V	EN60898	EN60947-2	
400V	<i>I<sub>cm</sub></i>	<i>I<sub>cu</sub></i>	
<i>I<sub>n</sub></i> =6-40A	4500 A	6 kA	



GW 92 149

**MINIATURE CIRCUIT BREAKERS**

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P</b>				
GW 92 105	6 A	230-400 V	1	6/24
GW 92 106	10 A	230-400 V	1	6/24
GW 92 107	13 A	230-400 V	1	6/24
GW 92 108	16 A	230-400 V	1	6/24
GW 92 109	20 A	230-400 V	1	6/24
GW 92 110	25 A	230-400 V	1	6/24
GW 92 111	32 A	230-400 V	1	6/24
GW 92 112	40 A	230-400 V	1	6/24
<b>No. of poles: 1P+N</b>				
GW 92 125	6 A	230 V	2	3/12
GW 92 126	10 A	230 V	2	3/12
GW 92 127	13 A	230 V	2	3/12
GW 92 128	16 A	230 V	2	3/12
GW 92 129	20 A	230 V	2	3/12
GW 92 130	25 A	230 V	2	3/12
GW 92 131	32 A	230 V	2	3/12
GW 92 132	40 A	230 V	2	3/12
<b>No. of poles: 2P</b>				
GW 92 145	6 A	230-400 V	2	3/12
GW 92 146	10 A	230-400 V	2	3/12
GW 92 147	13 A	230-400 V	2	3/12
GW 92 148	16 A	230-400 V	2	3/12
GW 92 149	20 A	230-400 V	2	3/12
GW 92 150	25 A	230-400 V	2	3/12
GW 92 151	32 A	230-400 V	2	3/12
GW 92 152	40 A	230-400 V	2	3/12
<b>No. of poles: 3P</b>				
GW 92 165	6 A	230-400 V	3	2/8
GW 92 166	10 A	230-400 V	3	2/8
GW 92 167	13 A	230-400 V	3	2/8
GW 92 168	16 A	230-400 V	3	2/8
GW 92 169	20 A	230-400 V	3	2/8
GW 92 170	25 A	230-400 V	3	2/8
GW 92 171	32 A	230-400 V	3	2/8
GW 92 172	40 A	230-400 V	3	2/8
<b>No. of poles: 4P</b>				
GW 92 185	6 A	230-400 V	4	1/3
GW 92 186	10 A	230-400 V	4	1/3
GW 92 187	13 A	230-400 V	4	1/3
GW 92 188	16 A	230-400 V	4	1/3
GW 92 189	20 A	230-400 V	4	1/3
GW 92 190	25 A	230-400 V	4	1/3
GW 92 191	32 A	230-400 V	4	1/3
GW 92 192	40 A	230-400 V	4	1/3

## MT 45 - B CURVE - 4500 A (EN 60898) - 6 KA (EN 60947-2)

BREAKING CAPACITY 1P, 1P+N		
230V	EN60898	EN60947-2
Icn	Icu	Icu
In=6-40A	4500 A	6 KA

BREAKING CAPACITY 2-3-4P		
230V	EN60898	EN60947-2
400V	Icn	Icu
In=6-40A	4500 A	6 KA



GW 92 371

### MINIATURE CIRCUIT BREAKERS

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P</b>				
GW 92 305	6 A	230-400 V	1	6/24
GW 92 306	10 A	230-400 V	1	6/24
GW 92 307	13 A	230-400 V	1	6/24
GW 92 308	16 A	230-400 V	1	6/24
GW 92 309	20 A	230-400 V	1	6/24
GW 92 310	25 A	230-400 V	1	6/24
GW 92 311	32 A	230-400 V	1	6/24
GW 92 312	40 A	230-400 V	1	6/24
<b>No. of poles: 1P+N</b>				
GW 92 325	6 A	230 V	2	3/12
GW 92 326	10 A	230 V	2	3/12
GW 92 327	13 A	230 V	2	3/12
GW 92 328	16 A	230 V	2	3/12
GW 92 329	20 A	230 V	2	3/12
GW 92 330	25 A	230 V	2	3/12
GW 92 331	32 A	230 V	2	3/12
GW 92 332	40 A	230 V	2	3/12
<b>No. of poles: 2P</b>				
GW 92 345	6 A	230-400 V	2	3/12
GW 92 346	10 A	230-400 V	2	3/12
GW 92 347	13 A	230-400 V	2	3/12
GW 92 348	16 A	230-400 V	2	3/12
GW 92 349	20 A	230-400 V	2	3/12
GW 92 350	25 A	230-400 V	2	3/12
GW 92 351	32 A	230-400 V	2	3/12
GW 92 352	40 A	230-400 V	2	3/12
<b>No. of poles: 3P</b>				
GW 92 365	6 A	230-400 V	3	2/8
GW 92 366	10 A	230-400 V	3	2/8
GW 92 367	13 A	230-400 V	3	2/8
GW 92 368	16 A	230-400 V	3	2/8
GW 92 369	20 A	230-400 V	3	2/8
GW 92 370	25 A	230-400 V	3	2/8
GW 92 371	32 A	230-400 V	3	2/8
GW 92 372	40 A	230-400 V	3	2/8
<b>No. of poles: 4P</b>				
GW 92 385	6 A	230-400 V	4	1/3
GW 92 386	10 A	230-400 V	4	1/3
GW 92 387	13 A	230-400 V	4	1/3
GW 92 388	16 A	230-400 V	4	1/3
GW 92 389	20 A	230-400 V	4	1/3
GW 92 390	25 A	230-400 V	4	1/3
GW 92 391	32 A	230-400 V	4	1/3
GW 92 392	40 A	230-400 V	4	1/3

**MT 60 - C CURVE - 6000 A (EN 60898) - 10 KA (EN 60947-2)**

BREAKING CAPACITY 1P, 1P+N			
230V	EN60898	EN60947-2	
I <sub>cn</sub>	I <sub>cu</sub>	I <sub>cu</sub>	
I <sub>n</sub> =1+63 A	6000 A	10 kA	

BREAKING CAPACITY 2-3-4P			
230V	EN60898	EN60947-2	
I <sub>cn</sub>	I <sub>cu</sub>	I <sub>cu</sub>	
I <sub>n</sub> =1+63 A	6000 A	20 kA	

BREAKING CAPACITY 2-3-4P			
400V	EN60898	EN60947-2	
I <sub>cn</sub>	I <sub>cu</sub>	I <sub>cu</sub>	
I <sub>n</sub> =1+63 A	6000 A	10 kA	



GW 92 048

**MINIATURE CIRCUIT BREAKERS**

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P</b>				
GW 92 001	1 A	230-400 V	1	6/24
GW 92 002	2 A	230-400 V	1	6/24
GW 92 003	3 A	230-400 V	1	6/24
GW 92 004	4 A	230-400 V	1	6/24
GW 92 005	6 A	230-400 V	1	6/24
GW 92 006	10 A	230-400 V	1	6/24
GW 92 014	13 A	230-400 V	1	6/24
GW 92 007	16 A	230-400 V	1	6/24
GW 92 008	20 A	230-400 V	1	6/24
GW 92 009	25 A	230-400 V	1	6/24
GW 92 010	32 A	230-400 V	1	6/24
GW 92 011	40 A	230-400 V	1	6/24
GW 92 012	50 A	230-400 V	1	6/24
GW 92 013	63 A	230-400 V	1	6/24
<b>No. of poles: 1P+N</b>				
GW 92 021	1 A	230 V	2	3/12
GW 92 022	2 A	230 V	2	3/12
GW 92 023	3 A	230 V	2	3/12
GW 92 024	4 A	230 V	2	3/12
GW 92 025	6 A	230 V	2	3/12
GW 92 026	10 A	230 V	2	3/12
GW 92 034	13 A	230 V	2	3/12
GW 92 027	16 A	230 V	2	3/12
GW 92 028	20 A	230 V	2	3/12
GW 92 029	25 A	230 V	2	3/12
GW 92 030	32 A	230 V	2	3/12
GW 92 031	40 A	230 V	2	3/12
GW 92 032	50 A	230 V	2	3/12
GW 92 033	63 A	230 V	2	3/12
<b>No. of poles: 2P</b>				
GW 92 041	1 A	230-400 V	2	3/12
GW 92 042	2 A	230-400 V	2	3/12
GW 92 043	3 A	230-400 V	2	3/12
GW 92 044	4 A	230-400 V	2	3/12
GW 92 045	6 A	230-400 V	2	3/12
GW 92 046	10 A	230-400 V	2	3/12
GW 92 054	13 A	230-400 V	2	3/12
GW 92 047	16 A	230-400 V	2	3/12
GW 92 048	20 A	230-400 V	2	3/12
GW 92 049	25 A	230-400 V	2	3/12
GW 92 050	32 A	230-400 V	2	3/12
GW 92 051	40 A	230-400 V	2	3/12
GW 92 052	50 A	230-400 V	2	3/12
GW 92 053	63 A	230-400 V	2	3/12
<b>No. of poles: 3P</b>				
GW 92 061	1 A	230-400 V	3	2/8
GW 92 062	2 A	230-400 V	3	2/8
GW 92 063	3 A	230-400 V	3	2/8
GW 92 064	4 A	230-400 V	3	2/8
GW 92 065	6 A	230-400 V	3	2/8
GW 92 066	10 A	230-400 V	3	2/8
GW 92 074	13 A	230-400 V	3	2/8
GW 92 067	16 A	230-400 V	3	2/8
GW 92 068	20 A	230-400 V	3	2/8
GW 92 069	25 A	230-400 V	3	2/8
GW 92 070	32 A	230-400 V	3	2/8
GW 92 071	40 A	230-400 V	3	2/8
GW 92 072	50 A	230-400 V	3	2/8
GW 92 073	63 A	230-400 V	3	2/8

to be continued on next page



GW 92 048

**(CONTINUE)**  
**MINIATURE CIRCUIT BREAKERS**

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 4P</b>				
GW 92 081	1 A	230-400 V	4	1/3
GW 92 082	2 A	230-400 V	4	1/3
GW 92 083	3 A	230-400 V	4	1/3
GW 92 084	4 A	230-400 V	4	1/3
GW 92 085	6 A	230-400 V	4	1/3
GW 92 086	10 A	230-400 V	4	1/3
GW 92 094	13 A	230-400 V	4	1/3
GW 92 087	16 A	230-400 V	4	1/3
GW 92 088	20 A	230-400 V	4	1/3
GW 92 089	25 A	230-400 V	4	1/3
GW 92 090	32 A	230-400 V	4	1/3
GW 92 091	40 A	230-400 V	4	1/3
GW 92 092	50 A	230-400 V	4	1/3
GW 92 093	63 A	230-400 V	4	1/3



**MT 60 - B CURVE - 6000 A (EN 60898) - 10 KA (EN 60947-2)**

BREAKING CAPACITY 1P		
230V	EN60898	EN60947-2
I <sub>n</sub> =6-63 A	I <sub>cn</sub>	I <sub>cu</sub>
	6000 A	10 kA

BREAKING CAPACITY 2-3-4P		
230V	EN60898	EN60947-2
I <sub>n</sub> =6-63 A	I <sub>cn</sub>	I <sub>cu</sub>
	6000 A	20 kA

BREAKING CAPACITY 2-3-4P		
400V	EN60898	EN60947-2
I <sub>n</sub> =6-63 A	I <sub>cn</sub>	I <sub>cu</sub>
	6000 A	10 kA



GW 92 292

**MINIATURE CIRCUIT BREAKERS**

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P</b>				
GW 92 205	6 A	230-400 V	1	6/24
GW 92 206	10 A	230-400 V	1	6/24
GW 92 214	13 A	230-400 V	1	6/24
GW 92 207	16 A	230-400 V	1	6/24
GW 92 208	20 A	230-400 V	1	6/24
GW 92 209	25 A	230-400 V	1	6/24
GW 92 210	32 A	230-400 V	1	6/24
GW 92 211	40 A	230-400 V	1	6/24
GW 92 212	50 A	230-400 V	1	6/24
GW 92 213	63 A	230-400 V	1	6/24
<b>No. of poles: 2P</b>				
GW 92 245	6 A	230-400 V	2	3/12
GW 92 246	10 A	230-400 V	2	3/12
GW 92 254	13 A	230-400 V	2	3/12
GW 92 247	16 A	230-400 V	2	3/12
GW 92 248	20 A	230-400 V	2	3/12
GW 92 249	25 A	230-400 V	2	3/12
GW 92 250	32 A	230-400 V	2	3/12
GW 92 251	40 A	230-400 V	2	3/12
GW 92 252	50 A	230-400 V	2	3/12
GW 92 253	63 A	230-400 V	2	3/12
<b>No. of poles: 3P</b>				
GW 92 265	6 A	230-400 V	3	2/8
GW 92 266	10 A	230-400 V	3	2/8
GW 92 274	13 A	230-400 V	3	2/8
GW 92 267	16 A	230-400 V	3	2/8
GW 92 268	20 A	230-400 V	3	2/8
GW 92 269	25 A	230-400 V	3	2/8
GW 92 270	32 A	230-400 V	3	2/8
GW 92 271	40 A	230-400 V	3	2/8
GW 92 272	50 A	230-400 V	3	2/8
GW 92 273	63 A	230-400 V	3	2/8
<b>No. of poles: 4P</b>				
GW 92 285	6 A	230-400 V	4	1/3
GW 92 286	10 A	230-400 V	4	1/3
GW 92 294	13 A	230-400 V	4	1/3
GW 92 287	16 A	230-400 V	4	1/3
GW 92 288	20 A	230-400 V	4	1/3
GW 92 289	25 A	230-400 V	4	1/3
GW 92 290	32 A	230-400 V	4	1/3
GW 92 291	40 A	230-400 V	4	1/3
GW 92 292	50 A	230-400 V	4	1/3
GW 92 293	63 A	230-400 V	4	1/3

## MT 60 - D CURVE - 6000 A (EN 60898) - 10 KA (EN 60947-2)

BREAKING CAPACITY 1P		
230V	EN60898	EN60947-2
<i>I<sub>n</sub></i>	<i>I<sub>cn</sub></i>	<i>I<sub>cu</sub></i>
<i>I<sub>n</sub></i> =6-40 A	6000 A	10 kA

BREAKING CAPACITY 2-3-4P		
230V	EN60898	EN60947-2
<i>I<sub>n</sub></i>	<i>I<sub>cn</sub></i>	<i>I<sub>cu</sub></i>
<i>I<sub>n</sub></i> =6-40 A	6000 A	20 kA

BREAKING CAPACITY 2-3-4P		
400V	EN60898	EN60947-2
<i>I<sub>n</sub></i>	<i>I<sub>cn</sub></i>	<i>I<sub>cu</sub></i>
<i>I<sub>n</sub></i> =6-40 A	6000 A	10 kA



GW 92 470

### MINIATURE CIRCUIT BREAKERS

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P</b>				
GW 92 405	6 A	230-400 V	1	6/24
GW 92 406	10 A	230-400 V	1	6/24
GW 92 414	13 A	230-400 V	1	6/24
GW 92 407	16 A	230-400 V	1	6/24
GW 92 408	20 A	230-400 V	1	6/24
GW 92 409	25 A	230-400 V	1	6/24
GW 92 410	32 A	230-400 V	1	6/24
GW 92 411	40 A	230-400 V	1	6/24
<b>No. of poles: 2P</b>				
GW 92 445	6 A	230-400 V	2	3/12
GW 92 446	10 A	230-400 V	2	3/12
GW 92 454	13 A	230-400 V	2	3/12
GW 92 447	16 A	230-400 V	2	3/12
GW 92 448	20 A	230-400 V	2	3/12
GW 92 449	25 A	230-400 V	2	3/12
GW 92 450	32 A	230-400 V	2	3/12
GW 92 451	40 A	230-400 V	2	3/12
<b>No. of poles: 3P</b>				
GW 92 465	6 A	230-400 V	3	2/8
GW 92 466	10 A	230-400 V	3	2/8
GW 92 474	13 A	230-400 V	3	2/8
GW 92 467	16 A	230-400 V	3	2/8
GW 92 468	20 A	230-400 V	3	2/8
GW 92 469	25 A	230-400 V	3	2/8
GW 92 470	32 A	230-400 V	3	2/8
GW 92 471	40 A	230-400 V	3	2/8
<b>No. of poles: 4P</b>				
GW 92 485	6 A	230-400 V	4	1/3
GW 92 486	10 A	230-400 V	4	1/3
GW 92 494	13 A	230-400 V	4	1/3
GW 92 487	16 A	230-400 V	4	1/3
GW 92 488	20 A	230-400 V	4	1/3
GW 92 489	25 A	230-400 V	4	1/3
GW 92 490	32 A	230-400 V	4	1/3
GW 92 491	40 A	230-400 V	4	1/3

**MT 100 - C CURVE - 10000 A (EN 60898) - UP TO 15 KA (EN 60947-2)**

BREAKING CAPACITY 1P			
230V	EN60898	EN60947-2	
	Icn	Icu	
In=6+25 A	10000 A		15 kA
In=32+63 A	10000 A		12.5 kA

BREAKING CAPACITY 2P			
230V	EN60898	EN60947-2	
	Icn	Icu	
In=6+25 A	10000 A	30 kA	
In=32+63 A	10000 A	25 kA	

BREAKING CAPACITY 2P			
400V	EN60898	EN60947-2	
	Icn	Icu	
In=6+25 A	10000 A	20 kA	
In=32+63 A	10000 A	15 kA	

BREAKING CAPACITY 3-4P			
230V	EN60898	EN60947-2	
	Icn	Icu	
In=6+25 A	10000 A	25 kA	
In=32+63 A	10000 A	20 kA	

BREAKING CAPACITY 3-4P			
400V	EN60898	EN60947-2	
	Icn	Icu	
In=6+25 A	10000 A	15 kA	
In=32+63 A	10000 A	12.5 kA	



GW 92 692

**MINIATURE CIRCUIT BREAKERS**

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P</b>				
GW 92 605	6 A	230-400 V	1	6/24
GW 92 606	10 A	230-400 V	1	6/24
GW 92 614	13 A	230-400 V	1	6/24
GW 92 607	16 A	230-400 V	1	6/24
GW 92 608	20 A	230-400 V	1	6/24
GW 92 609	25 A	230-400 V	1	6/24
GW 92 610	32 A	230-400 V	1	6/24
GW 92 611	40 A	230-400 V	1	6/24
GW 92 612	50 A	230-400 V	1	6/24
GW 92 613	63 A	230-400 V	1	6/24
<b>No. of poles: 2P</b>				
GW 92 645	6 A	230-400 V	2	3/12
GW 92 646	10 A	230-400 V	2	3/12
GW 92 654	13 A	230-400 V	2	3/12
GW 92 647	16 A	230-400 V	2	3/12
GW 92 648	20 A	230-400 V	2	3/12
GW 92 649	25 A	230-400 V	2	3/12
GW 92 650	32 A	230-400 V	2	3/12
GW 92 651	40 A	230-400 V	2	3/12
GW 92 652	50 A	230-400 V	2	3/12
GW 92 653	63 A	230-400 V	2	3/12
<b>No. of poles: 3P</b>				
GW 92 665	6 A	230-400 V	3	2/8
GW 92 666	10 A	230-400 V	3	2/8
GW 92 674	13 A	230-400 V	3	2/8
GW 92 667	16 A	230-400 V	3	2/8
GW 92 668	20 A	230-400 V	3	2/8
GW 92 669	25 A	230-400 V	3	2/8
GW 92 670	32 A	230-400 V	3	2/8
GW 92 671	40 A	230-400 V	3	2/8
GW 92 672	50 A	230-400 V	3	2/8
GW 92 673	63 A	230-400 V	3	2/8
<b>No. of poles: 4P</b>				
GW 92 685	6 A	230-400 V	4	1/3
GW 92 686	10 A	230-400 V	4	1/3
GW 92 694	13 A	230-400 V	4	1/3
GW 92 687	16 A	230-400 V	4	1/3
GW 92 688	20 A	230-400 V	4	1/3
GW 92 689	25 A	230-400 V	4	1/3
GW 92 690	32 A	230-400 V	4	1/3
GW 92 691	40 A	230-400 V	4	1/3
GW 92 692	50 A	230-400 V	4	1/3
GW 92 693	63 A	230-400 V	4	1/3

## MT 100 - B CURVE - 10000 A (EN 60898) - UP TO 15 KA (EN 60947-2)

BREAKING CAPACITY 1P		
230V	EN60898	EN60947-2
I <sub>n</sub>	I <sub>cs</sub>	I <sub>cu</sub>
I <sub>n</sub> =6-25 A	10000 A	15 kA
I <sub>n</sub> =32-63 A	10000 A	12.5 kA

BREAKING CAPACITY 2P		
230V	EN60898	EN60947-2
I <sub>n</sub>	I <sub>cs</sub>	I <sub>cu</sub>
I <sub>n</sub> =6-25 A	10000 A	30 kA
I <sub>n</sub> =32-63 A	10000 A	25 kA

BREAKING CAPACITY 2P		
400V	EN60898	EN60947-2
I <sub>n</sub>	I <sub>cs</sub>	I <sub>cu</sub>
I <sub>n</sub> =6-25 A	10000 A	20 kA
I <sub>n</sub> =32-63 A	10000 A	15 kA

BREAKING CAPACITY 3-4P		
230V	EN60898	EN60947-2
I <sub>n</sub>	I <sub>cs</sub>	I <sub>cu</sub>
I <sub>n</sub> =6-25 A	10000 A	25 kA
I <sub>n</sub> =32-63 A	10000 A	20 kA

BREAKING CAPACITY 3-4P		
400V	EN60898	EN60947-2
I <sub>n</sub>	I <sub>cs</sub>	I <sub>cu</sub>
I <sub>n</sub> =6-25 A	10000 A	15 kA
I <sub>n</sub> =32-63 A	10000 A	12.5 kA



GW 92 549

### MINIATURE CIRCUIT BREAKERS

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P</b>				
GW 92 505	6 A	230-400 V	1	6/24
GW 92 506	10 A	230-400 V	1	6/24
GW 92 507	13 A	230-400 V	1	6/24
GW 92 508	16 A	230-400 V	1	6/24
GW 92 509	20 A	230-400 V	1	6/24
GW 92 510	25 A	230-400 V	1	6/24
GW 92 511	32 A	230-400 V	1	6/24
GW 92 512	40 A	230-400 V	1	6/24
GW 92 513	50 A	230-400 V	1	6/24
GW 92 514	63 A	230-400 V	1	6/24
<b>No. of poles: 2P</b>				
GW 92 545	6 A	230-400 V	2	3/12
GW 92 546	10 A	230-400 V	2	3/12
GW 92 547	13 A	230-400 V	2	3/12
GW 92 548	16 A	230-400 V	2	3/12
GW 92 549	20 A	230-400 V	2	3/12
GW 92 550	25 A	230-400 V	2	3/12
GW 92 551	32 A	230-400 V	2	3/12
GW 92 552	40 A	230-400 V	2	3/12
GW 92 553	50 A	230-400 V	2	3/12
GW 92 554	63 A	230-400 V	2	3/12
<b>No. of poles: 3P</b>				
GW 92 565	6 A	230-400 V	3	2/8
GW 92 566	10 A	230-400 V	3	2/8
GW 92 567	13 A	230-400 V	3	2/8
GW 92 568	16 A	230-400 V	3	2/8
GW 92 569	20 A	230-400 V	3	2/8
GW 92 570	25 A	230-400 V	3	2/8
GW 92 571	32 A	230-400 V	3	2/8
GW 92 572	40 A	230-400 V	3	2/8
GW 92 573	50 A	230-400 V	3	2/8
GW 92 574	63 A	230-400 V	3	2/8
<b>No. of poles: 4P</b>				
GW 92 585	6 A	230-400 V	4	1/3
GW 92 586	10 A	230-400 V	4	1/3
GW 92 587	13 A	230-400 V	4	1/3
GW 92 588	16 A	230-400 V	4	1/3
GW 92 589	20 A	230-400 V	4	1/3
GW 92 590	25 A	230-400 V	4	1/3
GW 92 591	32 A	230-400 V	4	1/3
GW 92 592	40 A	230-400 V	4	1/3
GW 92 593	50 A	230-400 V	4	1/3
GW 92 594	63 A	230-400 V	4	1/3

**MT 100 - D CURVE - 10000 A (EN 60898) - UP TO 15 KA (EN 60947-2)**

BREAKING CAPACITY 1P			
230V	EN60898	EN60947-2	
	Icn	Icu	
In=1-25 A	10000 A		15 kA
In=32-40 A	10000 A		12.5 kA

BREAKING CAPACITY 2P			
230V	EN60898	EN60947-2	
	Icn	Icu	
In=1-25 A	10000 A	30 kA	
In=32-40 A	10000 A	25 kA	

BREAKING CAPACITY 2P			
400V	EN60898	EN60947-2	
	Icn	Icu	
In=1-25 A	10000 A	20 kA	
In=32-40 A	10000 A	15 kA	

BREAKING CAPACITY 3-4P			
230V	EN60898	EN60947-2	
	Icn	Icu	
In=1-25 A	10000 A	25 kA	
In=32-40 A	10000 A	20 kA	

BREAKING CAPACITY 3-4P			
400V	EN60898	EN60947-2	
	Icn	Icu	
In=1-25 A	10000 A	15 kA	
In=32-40 A	10000 A	12.5 kA	



GW 92 770

**MINIATURE CIRCUIT BREAKERS**

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P</b>				
GW 92 701	1 A	230-400 V	1	6/24
GW 92 702	2 A	230-400 V	1	6/24
GW 92 703	3 A	230-400 V	1	6/24
GW 92 704	4 A	230-400 V	1	6/24
GW 92 705	6 A	230-400 V	1	6/24
GW 92 706	10 A	230-400 V	1	6/24
GW 92 714	13 A	230-400 V	1	6/24
GW 92 707	16 A	230-400 V	1	6/24
GW 92 708	20 A	230-400 V	1	6/24
GW 92 709	25 A	230-400 V	1	6/24
GW 92 710	32 A	230-400 V	1	6/24
GW 92 711	40 A	230-400 V	1	6/24
<b>No. of poles: 2P</b>				
GW 92 741	1 A	230-400 V	2	3/12
GW 92 742	2 A	230-400 V	2	3/12
GW 92 743	3 A	230-400 V	2	3/12
GW 92 744	4 A	230-400 V	2	3/12
GW 92 745	6 A	230-400 V	2	3/12
GW 92 746	10 A	230-400 V	2	3/12
GW 92 754	13 A	230-400 V	2	3/12
GW 92 747	16 A	230-400 V	2	3/12
GW 92 748	20 A	230-400 V	2	3/12
GW 92 749	25 A	230-400 V	2	3/12
GW 92 750	32 A	230-400 V	2	3/12
GW 92 751	40 A	230-400 V	2	3/12
<b>No. of poles: 3P</b>				
GW 92 761	1 A	230-400 V	3	2/8
GW 92 762	2 A	230-400 V	3	2/8
GW 92 763	3 A	230-400 V	3	2/8
GW 92 764	4 A	230-400 V	3	2/8
GW 92 765	6 A	230-400 V	3	2/8
GW 92 766	10 A	230-400 V	3	2/8
GW 92 774	13 A	230-400 V	3	2/8
GW 92 767	16 A	230-400 V	3	2/8
GW 92 768	20 A	230-400 V	3	2/8
GW 92 769	25 A	230-400 V	3	2/8
GW 92 770	32 A	230-400 V	3	2/8
GW 92 771	40 A	230-400 V	3	2/8
<b>No. of poles: 4P</b>				
GW 92 781	1 A	230-400 V	4	1/3
GW 92 782	2 A	230-400 V	4	1/3
GW 92 783	3 A	230-400 V	4	1/3
GW 92 784	4 A	230-400 V	4	1/3
GW 92 785	6 A	230-400 V	4	1/3
GW 92 786	10 A	230-400 V	4	1/3
GW 92 794	13 A	230-400 V	4	1/3
GW 92 787	16 A	230-400 V	4	1/3
GW 92 788	20 A	230-400 V	4	1/3
GW 92 789	25 A	230-400 V	4	1/3
GW 92 790	32 A	230-400 V	4	1/3
GW 92 791	40 A	230-400 V	4	1/3

## MT 250 - C CURVE - 25000 A (EN 60898) - UP TO 25 KA (EN 60947-2)

BREAKING CAPACITY 1P			
230V	EN60898 I <sub>cn</sub>	EN60947-2 I <sub>cu</sub>	
I <sub>n</sub> =6-20 A	25000 A	25 kA	
I <sub>n</sub> =25 A	20000 A	20 kA	
I <sub>n</sub> =32+40 A	15000 A	15 kA	
I <sub>n</sub> =50+63 A	12500 A	15 kA	

BREAKING CAPACITY 2P			
230V	EN60898 I <sub>cn</sub>	EN60947-2 I <sub>cu</sub>	
I <sub>n</sub> =6-20 A	25000 A	50 kA	
I <sub>n</sub> =25 A	25000 A	40 kA	
I <sub>n</sub> =32+40 A	25000 A	30 kA	
I <sub>n</sub> =50+63 A	25000 A	25 kA	

SCHALTVERMÖGEN 2P			
400V	EN60898 I <sub>cn</sub>	EN60947-2 I <sub>cu</sub>	
I <sub>n</sub> =6-20 A	25000 A	30 kA	
I <sub>n</sub> =25 A	25000 A	25 kA	
I <sub>n</sub> =32+40 A	20000 A	20 kA	
I <sub>n</sub> =50+63 A	15000 A	15 kA	

BREAKING CAPACITY 3-4P			
230V	EN60898 I <sub>cn</sub>	EN60947-2 I <sub>cu</sub>	
I <sub>n</sub> =6-20 A	25000 A	40 kA	
I <sub>n</sub> =25 A	25000 A	30 kA	
I <sub>n</sub> =32+40 A	25000 A	25 kA	
I <sub>n</sub> =50+63 A	20000 A	20 kA	

BREAKING CAPACITY 3-4P			
400V	EN60898 I <sub>cn</sub>	EN60947-2 I <sub>cu</sub>	
I <sub>n</sub> =6-20 A	25000 A	25 kA	
I <sub>n</sub> =25 A	20000 A	20 kA	
I <sub>n</sub> =32+40 A	15000 A	15 kA	
I <sub>n</sub> =50+63 A	12500 A	15 kA	



GW 92 890

### MINIATURE CIRCUIT BREAKERS

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

## MTHP - HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS

### MTHP 160 - C CURVE - 10000 A (EN 60898) - 16 KA (EN 60947-2)

BREAKING CAPACITY 1P			
230V	EN60898	EN60947-2	
	Icu	Icu	
I <sub>n</sub> =80-125A	10000 A	16 kA	

BREAKING CAPACITY 1P		
400V	EN60947-2	
	Icu	
I <sub>n</sub> =80-125A	4.5 kA	

BREAKING CAPACITY 2-3-4P			
230V	EN60898	EN60947-2	
	Icu	Icu	
I <sub>n</sub> =80-125A	10000 A	20 kA	

BREAKING CAPACITY 2-3-4P			
400V	EN60898	EN60947-2	
	Icu	Icu	
I <sub>n</sub> =80-125A	10000 A	16 kA	



GW 93 349

#### HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P</b>				
GW 93 307	80 A	230-400 V	1.5	1/12
GW 93 308	100 A	230-400 V	1.5	1/12
GW 93 309	125 A	230-400 V	1.5	1/12
<b>No. of poles: 2P</b>				
GW 93 327	80 A	230-400 V	3	1/8
GW 93 328	100 A	230-400 V	3	1/8
GW 93 329	125 A	230-400 V	3	1/8
<b>No. of poles: 3P</b>				
GW 93 337	80 A	230-400 V	4.5	1/4
GW 93 338	100 A	230-400 V	4.5	1/4
GW 93 339	125 A	230-400 V	4.5	1/4
<b>No. of poles: 4P</b>				
GW 93 347	80 A	230-400 V	6	1/4
GW 93 348	100 A	230-400 V	6	1/4
GW 93 349	125 A	230-400 V	6	1/4

ACCESSORIES SUPPLIED: kit for cable terminals wiring and poles separators.

### MTHP 160 - D CURVE - 10000 A (EN 60898) - 16 KA (EN 60947-2)

BREAKING CAPACITY 1P			
230V	EN60898	EN60947-2	
	Icu	Icu	
I <sub>n</sub> =50-100A	10000 A	16 kA	

BREAKING CAPACITY 1P		
400V	EN60947-2	
	Icu	
I <sub>n</sub> =50-100A	4.5 kA	

SCHALTVERMÖGEN 2-3-4P			
230V	EN60898	EN60947-2	
	Icu	Icu	
I <sub>n</sub> =50-100A	10000 A	20 kA	

BREAKING CAPACITY 2-3-4P			
400V	EN60898	EN60947-2	
	Icu	Icu	
I <sub>n</sub> =50-100A	10000 A	16 kA	



GW 93 388

#### HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P</b>				
GW 93 355	Ⓢ 50 A	230-400 V	1.5	1/12
GW 93 356	63 A	230-400 V	1.5	1/12
GW 93 357	80 A	230-400 V	1.5	1/12
GW 93 358	100 A	230-400 V	1.5	1/12
<b>No. of poles: 2P</b>				
GW 93 375	Ⓢ 50 A	230-400 V	3	1/8
GW 93 376	63 A	230-400 V	3	1/8
GW 93 377	80 A	230-400 V	3	1/8
GW 93 378	100 A	230-400 V	3	1/8
<b>No. of poles: 3P</b>				
GW 93 385	Ⓢ 50 A	230-400 V	4.5	1/4
GW 93 386	63 A	230-400 V	4.5	1/4
GW 93 387	80 A	230-400 V	4.5	1/4
GW 93 388	100 A	230-400 V	4.5	1/4
<b>No. of poles: 4P</b>				
GW 93 395	Ⓢ 50 A	230-400 V	6	1/4
GW 93 396	63 A	230-400 V	6	1/4
GW 93 397	80 A	230-400 V	6	1/4
GW 93 398	100 A	230-400 V	6	1/4

ACCESSORIES SUPPLIED: kit for cable terminals wiring and poles separators.

## MTHP 250 - C CURVE - 25000 A (EN 60898) - 25 KA (EN 60947-2)

BREAKING CAPACITY 1P			
230V	EN60898	EN60947-2	
I <sub>n</sub>	I <sub>cs</sub>	I <sub>cu</sub>	
In=20+63A	25000 A	25 kA	

BREAKING CAPACITY 1P		
400V	EN60947-2	
I <sub>n</sub>	I <sub>cu</sub>	
In=20+63 A	6 kA	

BREAKING CAPACITY 2P			
230V	EN60898	EN60947-2	
I <sub>n</sub>	I <sub>cs</sub>	I <sub>cu</sub>	
In=20+63A	25000 A	50 kA	

BREAKING CAPACITY 3-4P			
230V	EN60898	EN60947-2	
I <sub>n</sub>	I <sub>cs</sub>	I <sub>cu</sub>	
In=20+63A	25000 A	30 kA	

BREAKING CAPACITY 2-3-4P			
400V	EN60898	EN60947-2	
I <sub>n</sub>	I <sub>cs</sub>	I <sub>cu</sub>	
In=20+63A	25000 A	25 kA	



GW 93 222

### HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
<b>No. of poles: 1P</b>				
GW 93 201	20 A	230-400 V	1.5	1/12
GW 93 202	25 A	230-400 V	1.5	1/12
GW 93 203	32 A	230-400 V	1.5	1/12
GW 93 204	40 A	230-400 V	1.5	1/12
GW 93 205	50 A	230-400 V	1.5	1/12
GW 93 206	63 A	230-400 V	1.5	1/12
<b>No. of poles: 2P</b>				
GW 93 221	20 A	230-400 V	3	1/8
GW 93 222	25 A	230-400 V	3	1/8
GW 93 223	32 A	230-400 V	3	1/8
GW 93 224	40 A	230-400 V	3	1/8
GW 93 225	50 A	230-400 V	3	1/8
GW 93 226	63 A	230-400 V	3	1/8
<b>No. of poles: 3P</b>				
GW 93 231	20 A	230-400 V	4.5	1/4
GW 93 232	25 A	230-400 V	4.5	1/4
GW 93 233	32 A	230-400 V	4.5	1/4
GW 93 234	40 A	230-400 V	4.5	1/4
GW 93 235	50 A	230-400 V	4.5	1/4
GW 93 236	63 A	230-400 V	4.5	1/4
<b>No. of poles: 4P</b>				
GW 93 241	20 A	230-400 V	6	1/4
GW 93 242	25 A	230-400 V	6	1/4
GW 93 243	32 A	230-400 V	6	1/4
GW 93 244	40 A	230-400 V	6	1/4
GW 93 245	50 A	230-400 V	6	1/4
GW 93 246	63 A	230-400 V	6	1/4

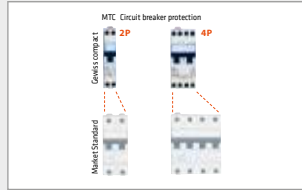
**ACCESSORIES SUPPLIED:** kit for cable terminals wiring and poles separators.



# 90 MCB



## SPACE SAVING



By using the compact MTC circuit breakers, it is possible to protect 2 pole in one module length; this operation guarantees a space saving (up to 50%) which allows the installation of smaller boards and therefore the cost is cheaper. Therefore, it is possible to install smaller sized boards, which also provides a cost savings.

## MAXIMUM SAFETY



In addition to the characteristic of the double DIN clip, which allows a more steady mounting and facilitates maintenance operations, the terminals are supplied with protective and sliding insulation insert for the maximum safety of tightening and against any possible contacts with live parts.

## ACCESSORIES TO SIMPLIFY USE

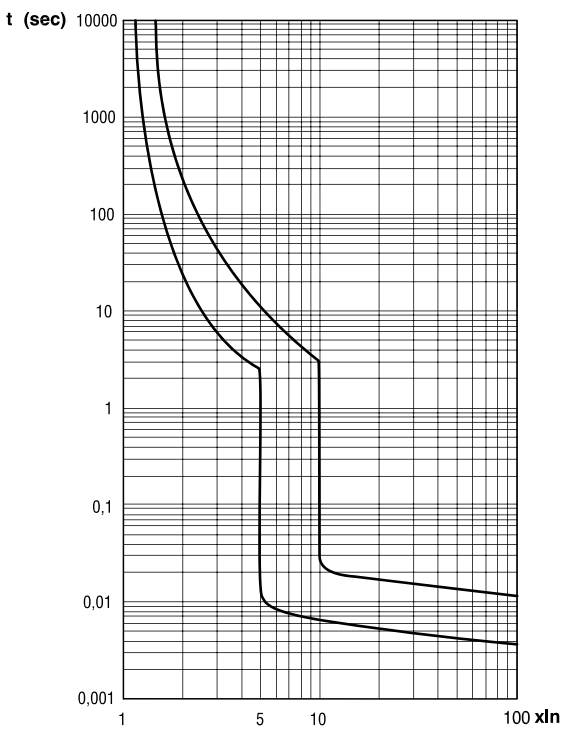


Modular circuit breakers of 90 MCB Range can be perfectly integrated with electrical auxiliary of 90 Range, ensuring a more simple use and managing of accessories.

## TRIPPING CHARACTERISTICS

### Tripping characteristics in alternating current (EN 60898)

MTC 45 - 60 - 100 Characteristic C  
 MT 45 - MT 60 - 100 - 250 Characteristic C  
 MTHP 160 - 250 Characteristic C



MT 45 - MT 60 - 100 Characteristic B  
 MTC 60 Characteristic B

