

90 RCD Range

Modular devices for residual current protection



The 90 RCD Range is made up of:

- **MDC.** Monobloc compact residual current circuit breaker with overcurrent protection from 6 to 32A, in B and C curve, breaking capacity up to 10 kA and $I_{\Delta n}$ of 30 and 300 mA of AC and A type;
- **BD e BDHP.** Modular add-on residual current devices for MT and MTHP miniature circuit breakers up to 125A, $I_{\Delta n}$ from 10mA to 3A of AC, A, A[S] and A[Adjustable] type;
- **SD.** Residual current circuit breakers up to 125A, $I_{\Delta n}$ from 10mA to 500mA of AC, A, impulse resistant A[IR] and A[S] type.









90 RCD RANGE

MODULAR DEVICES FOR RESIDUAL CURRENT PROTECTION



90 RCD RANGE

RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERCURRENT PROTECTION "MDC" (EN 61009-1)









| Icn [A] | Curve | Type | In [A] | IΔn = 30mA | | | | IΔn = 300mA | | | |
|----------------|-------|------|--------|---|---|---|---|---|---|---|---|
| | | | |  |  |  |  |  |  |  |  |
| | | | | 2 mod. | 2 mod. | 3 mod. | 4 mod. | 2 mod. | 2 mod. | 3 mod. | 4 mod. |
| MDC 45 | | | | | | | | | | | |
| 4500 | C | AC | 6 | GW 94 005 | GW 94 025 | GW 94 045 | GW 94 065 | GW 94 015 | GW 94 035 | GW 94 055 | GW 94 075 |
| | | | 10 | GW 94 006 | GW 94 026 | GW 94 046 | GW 94 066 | GW 94 016 | GW 94 036 | GW 94 056 | GW 94 076 |
| | | | 13 | GW 94 011 | GW 94 031 | GW 94 051 | GW 94 071 | | | | |
| | | | 16 | GW 94 007 | GW 94 027 | GW 94 047 | GW 94 067 | GW 94 017 | GW 94 037 | GW 94 057 | GW 94 077 |
| | | | 20 | GW 94 008 | GW 94 028 | GW 94 048 | GW 94 068 | GW 94 018 | GW 94 038 | GW 94 058 | GW 94 078 |
| | | | 25 | GW 94 009 | GW 94 029 | GW 94 049 | GW 94 069 | GW 94 019 | GW 94 039 | GW 94 059 | GW 94 079 |
| | | A | 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 |
| | | | 6 | GW 94 205 | GW 94 225 | GW 94 245 | GW 94 265 | GW 94 215 | GW 94 235 | GW 94 255 | GW 94 275 |
| | | | 10 | GW 94 206 | GW 94 226 | GW 94 246 | GW 94 266 | GW 94 216 | GW 94 236 | GW 94 256 | GW 94 276 |
| | | | 13 | GW 94 211 | GW 94 231 | GW 94 251 | GW 94 271 | | | | |
| | | | 16 | GW 94 207 | GW 94 227 | GW 94 247 | GW 94 267 | GW 94 217 | GW 94 237 | GW 94 257 | GW 94 277 |
| | | | 20 | GW 94 208 | GW 94 228 | GW 94 248 | GW 94 268 | GW 94 218 | GW 94 238 | GW 94 258 | GW 94 278 |
| | | | 25 | GW 94 209 | GW 94 229 | GW 94 249 | GW 94 269 | GW 94 219 | GW 94 239 | GW 94 259 | GW 94 279 |
| | | | 32 | GW 94 210 | GW 94 230 | GW 94 250 | GW 94 270 | GW 94 220 | GW 94 240 | GW 94 260 | GW 94 280 |
| MDC 60 | | | | | | | | | | | |
| 6000 | C | AC | 6 | GW 94 105 | GW 94 125 | GW 94 145 | GW 94 165 | GW 94 115 | GW 94 135 | GW 94 155 | GW 94 175 |
| | | | 10 | GW 94 106 | GW 94 126 | GW 94 146 | GW 94 166 | GW 94 116 | GW 94 136 | GW 94 156 | GW 94 176 |
| | | | 13 | GW 94 111 | GW 94 131 | GW 94 151 | GW 94 171 | | | | |
| | | | 16 | GW 94 107 | GW 94 127 | GW 94 147 | GW 94 167 | GW 94 117 | GW 94 137 | GW 94 157 | GW 94 177 |
| | | | 20 | GW 94 108 | GW 94 128 | GW 94 148 | GW 94 168 | GW 94 118 | GW 94 138 | GW 94 158 | GW 94 178 |
| | | | 25 | GW 94 109 | GW 94 129 | GW 94 149 | GW 94 169 | GW 94 119 | GW 94 139 | GW 94 159 | GW 94 179 |
| | | A | 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 |
| | | | 6 | GW 94 305 | GW 94 325 | GW 94 345 | GW 94 365 | GW 94 315 | GW 94 335 | GW 94 355 | GW 94 375 |
| | | | 10 | GW 94 306 | GW 94 326 | GW 94 346 | GW 94 366 | GW 94 316 | GW 94 336 | GW 94 356 | GW 94 376 |
| | | | 13 | GW 94 311 | GW 94 331 | GW 94 351 | GW 94 371 | | | | |
| | | | 16 | GW 94 307 | GW 94 327 | GW 94 347 | GW 94 367 | GW 94 317 | GW 94 337 | GW 94 357 | GW 94 377 |
| | | | 20 | GW 94 308 | GW 94 328 | GW 94 348 | GW 94 368 | GW 94 318 | GW 94 338 | GW 94 358 | GW 94 378 |
| | | | 25 | GW 94 309 | GW 94 329 | GW 94 349 | GW 94 369 | GW 94 319 | GW 94 339 | GW 94 359 | GW 94 379 |
| | | | 32 | GW 94 310 | GW 94 330 | GW 94 350 | GW 94 370 | GW 94 320 | GW 94 340 | GW 94 360 | GW 94 380 |
| MDC 100 | | | | | | | | | | | |
| 10000 | C | AC | 6 | GW 95 005 | GW 95 025 | | | GW 95 015 | GW 95 035 | | |
| | | | 10 | GW 95 006 | GW 95 026 | | | GW 95 016 | GW 95 036 | | |
| | | | 13 | GW 95 011 | GW 95 031 | | | | | | |
| | | | 16 | GW 95 007 | GW 95 027 | | | GW 95 017 | GW 95 037 | | |
| | | | 20 | GW 95 008 | GW 95 028 | | | GW 95 018 | GW 95 038 | | |
| | | | 25 | GW 95 009 | GW 95 029 | | | GW 95 019 | GW 95 039 | | |
| | | A | 32 | GW 95 010 | GW 95 030 | | | GW 95 020 | GW 95 040 | | |
| | | | 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 | | |
| | | | 13 | GW 95 211 | GW 95 231 | | | | | | |
| | | | 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



90 RCD RANGE

| RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERCURRENT PROTECTION "MDC" (EN 61009-1) | | | | | | | | | | | | |
|---|-------|------|--------|--|---|---|---|---|---|---|---|---|
| | | | | | IΔn = 30mA | | | | IΔn = 300mA | | | |
| | | | | |  |  |  |  |  |  |  |  |
| Icn [A] | Curve | Type | In [A] | | 2 mod. | 2 mod. | 3 mod. | 4 mod. | 2 mod. | 2 mod. | 3 mod. | 4 mod. |
| MDC 60 | | | | | | | | | | | | |
| 6000 | B | A | 6 | | GW 95 105 | GW 95 125 | GW 95 145 | GW 95 165 | GW 95 115 | GW 95 135 | GW 95 155 | GW 95 175 |
| | | | 10 | | GW 95 106 | GW 95 126 | GW 95 146 | GW 95 166 | GW 95 116 | GW 95 136 | GW 95 156 | GW 95 176 |
| | | | 13 | | GW 95 111 | GW 95 131 | GW 95 151 | GW 95 171 | | | | |
| | | | 16 | | GW 95 107 | GW 95 127 | GW 95 147 | GW 95 167 | GW 95 117 | GW 95 137 | GW 95 157 | GW 95 177 |
| | | | 20 | | GW 95 108 | GW 95 128 | GW 95 148 | GW 95 168 | GW 95 118 | GW 95 138 | GW 95 158 | GW 95 178 |
| | | | 25 | | GW 95 109 | GW 95 129 | GW 95 149 | GW 95 169 | GW 95 119 | GW 95 139 | GW 95 159 | GW 95 179 |
| | | | 32 | | GW 95 110 | GW 95 130 | GW 95 150 | GW 95 170 | GW 95 120 | GW 95 140 | GW 95 160 | GW 95 180 |
| MDC 100 | | | | | | | | | | | | |
| 10000 | B | A | 6 | | | GW 95 325 | | | | GW 95 335 | | |
| | | | 10 | | | GW 95 326 | | | | GW 95 336 | | |
| | | | 13 | | | GW 95 331 | | | | | | |
| | | | 16 | | | GW 95 327 | | | | GW 95 337 | | |
| | | | 20 | | | GW 95 328 | | | | GW 95 338 | | |
| | | | 25 | | | GW 95 329 | | | | GW 95 339 | | |
| | | | 32 | | | GW 95 330 | | | | GW 95 340 | | |



90 RCD RANGE



MODULAR DEVICES FOR RESIDUAL CURRENT PROTECTION



90 RCD RANGE

| | | ADD-ON RESIDUAL CURRENT DEVICES (EN 61009-1 APP. G) | | | | | | | | | | | |
|--------|----------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | BD | | | | | | BDHP | | | | | |
| Type | IΔn [mA] | 2P | | 3P | | 4P | | 2P | | 3P | | 4P | |
| | | 2 mod. | | 3.5 mod. | | 3.5 mod. | | 4 mod. | | 6 mod. | | 6 mod. | |
| | | In≤25 A | In≤63 A | In≤25 A | In≤63 A | In≤25 A | In≤63 A | In≤63 A | In≤125 A | In≤63 A | In≤125 A | In≤63 A | In≤125 A |
| AC | 10 | GW 94 401 | | | | | | | | | | | |
| | 30 | GW 94 402 | GW 94 412 | GW 94 442 | GW 94 448 | GW 94 422 | GW 94 432 | GW 95 401 | GW 95 406 | GW 95 411 | GW 95 416 | GW 95 421 | GW 95 426 |
| | 100 | | | | | | | GW 95 402 | GW 95 407 | GW 95 412 | GW 95 417 | GW 95 422 | GW 95 427 |
| | 300 | GW 94 403 | GW 94 413 | GW 94 443 | GW 94 449 | GW 94 423 | GW 94 433 | GW 95 403 | GW 95 408 | GW 95 413 | GW 95 418 | GW 95 423 | GW 95 428 |
| | 500 | GW 94 404 | GW 94 414 | GW 94 444 | GW 94 450 | GW 94 424 | GW 94 434 | | | | | | |
| A | 30 | GW 94 502 | GW 94 512 | GW 94 542 | GW 94 547 | GW 94 522 | GW 94 532 | GW 95 431 | GW 95 436 | GW 95 441 | GW 95 446 | GW 95 451 | GW 95 456 |
| | 100 | | | | | | | GW 95 432 | GW 95 437 | GW 95 442 | GW 95 447 | GW 95 452 | GW 95 457 |
| | 300 | GW 94 503 | GW 94 513 | GW 94 543 | GW 94 548 | GW 94 523 | GW 94 533 | GW 95 433 | GW 95 438 | GW 95 443 | GW 95 448 | GW 95 453 | GW 95 458 |
| | 500 | GW 94 504 | GW 94 514 | GW 94 544 | GW 94 549 | GW 94 524 | GW 94 534 | | | | | | |
| A[S] | 300 | | GW 94 563 | | GW 94 598 | | GW 94 583 | GW 95 463 | GW 95 468 | GW 95 473 | GW 95 478 | GW 95 483 | GW 95 488 |
| | 1000 | | GW 94 565 | | GW 94 600 | | GW 94 585 | GW 95 465 | GW 95 470 | GW 95 475 | GW 95 480 | GW 95 485 | GW 95 490 |
| A reg. | 300-3000 | | | | | | | | | | | GW 95 511 | GW 95 512 |

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




| | | HOUSING FOR SURFACE-MOUNTING | | | | | |
|--------|-----------|---|----|-----------|---|-----------|--|
| | | SUITABLE FOR RCD SAFETY SOCKET | | | SUITABLE FOR RCD SAFETY UNIT | | |
| | |  | | |  | | |
| In [A] | IΔn [mA] | IP 21 | | IP 44 | | IP 41 | |
| | | 16 | 10 | GW 95 927 | | GW 95 928 | |
| 30 | GW 95 927 | | | GW 95 928 | | GW 95 927 | |

90 RCD RANGE

MODULAR DEVICES FOR RESIDUAL CURRENT PROTECTION



90 RCD RANGE

| | | | RESIDUAL CURRENT CIRCUIT BREAKERS (EN 61008-1) | | | | |
|--------|-------|-----------|---|--|---|-----------|-----------|
| | | | SD | | | | |
| | | | 2P | 4P | | | |
| | | |  |  |  | | |
| In [A] | Type | IΔn [mA] | 2 mod. | 3 mod. | 4 mod. | 4 mod.** | |
| 25 | AC | 10 | GW 94 616 | | | | |
| | | 30 | GW 94 617 | GW 94 662 | GW 94 697 | GW 94 637 | |
| | | 100 | GW 94 618 | | GW 94 698 | | |
| | | 300 | GW 94 619 | GW 94 664 | GW 94 699 | GW 94 639 | |
| | A | 10 | GW 94 816 | GW 94 866 | | | |
| | | 30 | GW 94 817 | GW 94 867 | GW 94 877 | GW 94 552 | |
| | | 100 | GW 94 818 | | GW 94 878 | | |
| | | 300 | GW 94 819 | GW 94 869 | GW 94 879 | GW 94 554 | |
| | A[IR] | 30 | GW 95 651 | | GW 95 676 | | |
| | | 300 | | | GW 95 678 | | |
| 40 | AC | 30 | GW 94 627 | GW 94 667 | GW 94 707 | GW 94 647 | |
| | | 100 | GW 94 628 | GW 94 668 | GW 94 708 | | |
| | | 300 | GW 94 629 | GW 94 669 | GW 94 709 | GW 94 649 | |
| | | 500 | GW 94 630 | GW 94 670 | GW 94 710 | | |
| | A | 30 | GW 94 827 | GW 94 897 | GW 94 927 | GW 94 557 | |
| | | 100 | GW 94 828 | GW 94 898 | GW 94 928 | | |
| | | 300 | GW 94 829 | GW 94 899 | GW 94 929 | GW 94 559 | |
| | | 500 | GW 94 830 | GW 94 900 | GW 94 930 | | |
| | A[IR] | 30 | GW 95 656 | | GW 95 681 | | |
| | | 300 | | | GW 95 683 | | |
| | A[S] | 300 | GW 94 924 | | GW 94 966 | | |
| | 63 | AC | 30 | GW 94 790 | | GW 94 757 | GW 94 717 |
| | | | 100 | GW 94 791 | | GW 94 758 | |
| | | | 300 | GW 94 792 | | GW 94 759 | GW 94 719 |
| 500 | | | GW 94 789 | | GW 94 760 | | |
| A | | 30 | GW 94 837 | | GW 94 937 | GW 94 907 | |
| | | 100 | GW 94 838 | | GW 94 938 | | |
| | | 300 | GW 94 839 | | GW 94 939 | GW 94 909 | |
| | | 500 | GW 94 840 | | GW 94 940 | | |
| A[IR] | | 30 | GW 95 661 | | GW 95 686 | | |
| | | 300 | | | GW 95 688 | | |
| A[S] | | 300 | GW 94 934 | | GW 94 976 | | |
| 80 | | AC | 30 | GW 94 793 | | GW 94 761 | GW 94 727 |
| | | | 100 | GW 94 794 | | GW 94 771 | |
| | | | 300 | GW 94 795 | | GW 94 766 | GW 94 728 |
| | 500 | | GW 94 789 | | GW 94 760 | | |
| | A | 30 | GW 94 847 | | GW 94 947 | | |
| | | 100 | GW 94 848 | | GW 94 948 | | |
| | | 300 | GW 94 849 | | GW 94 949 | | |
| A[S] | 300 | GW 94 944 | | GW 94 986 | | | |
| 100 | AC | 30 | GW 94 652* | | GW 94 777 | GW 94 737 | |
| | | 100 | | | GW 94 778 | | |
| | | 300 | GW 94 653* | | GW 94 779 | GW 94 739 | |
| | | 500 | | | GW 94 780 | | |
| | A | 30 | GW 94 852* | | GW 94 957 | | |
| | | 100 | | | GW 94 958 | | |
| | | 300 | GW 94 853* | | GW 94 959 | | |
| | | 500 | | | GW 94 960 | | |
| | A[IR] | 300 | | | GW 95 696 | | |
| | | 300 | | | GW 95 698 | | |
| | A[S] | 300 | GW 94 953* | | GW 94 996 | | |
| 125 | AC | 30 | | | GW 95 601 | | |
| | | 300 | | | GW 95 603 | | |
| | | 500 | | | GW 95 604 | | |
| | A | 30 | | | GW 95 606 | | |
| | | 300 | | | GW 95 608 | | |
| | | 500 | | | GW 95 609 | | |

* Residual current breakers 2P - 3 modules

** Residual current circuit breakers 4P with neutral on the left