

DZ47-60 Miniature Circuit Breaker

1. General

- 1.1 Certificates: CB, KEMA, SEMKO, UC, PCT, UKRTEST, RCC
- 1.2 Electric ratings: up to 60A, 230V/1P, 400V/2, 3, 4P, AC 50/60Hz
- 1.3 Tripping characteristics: B, C, D;
- 1.4 Rated insulation voltage U_i : 500V;
- 1.5 Rated impulse withstand voltage U_{imp} : 5000 V;
- 1.6 Life (operations):
 - a. Electric life: ≥ 4000
 - b. Mechanical life: ≥ 10000
- 1.7 Ambient temperature: $-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$;
- 1.8 Standard: IEC 60898

2. Type Designation



3. Technical Data

- 3.1 Technical parameters
- DZ47-60 Curve B, 1P



I_n (A)	I_{cs} (kA)	CTN	Order Code
1	6	120	133031
2	6	120	133032
3	6	120	133033
4	6	120	133034
5	6	120	133035
6	6	120	133036
10	6	120	133037
15	6	120	133038
16	6	120	133039
20	6	120	133040
25	6	120	133041
32	6	120	133042
40	6	120	133043
50	4	120	133044
60	4	120	133045



I_n (A)	I_{cs} (kA)	CTN	Order Code
1	4.5	120	133016
2	4.5	120	133017
3	4.5	120	133018
4	4.5	120	133019
5	4.5	120	133020
6	4.5	120	133021
10	4.5	120	133022
15	4.5	120	133023
16	4.5	120	133024
20	4.5	120	133025
25	4.5	120	133026
32	4.5	120	133027
40	4.5	120	133028
50	4.5	120	133029
60	4.5	120	133030

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In (A)	Ics (kA)	CTN	Order Code
1	3	120	133001
2	3	120	133002
3	3	120	133003
4	3	120	133004
5	3	120	133005
6	3	120	133006
10	3	120	133007
15	3	120	133008
16	3	120	133009
20	3	120	133010
25	3	120	133011
32	3	120	133012
40	3	120	133013
50	3	120	133014
60	3	120	133015

D Z47-60 Curve B, 2P



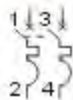
In (A)	Ics (kA)	CTN	Order Code
1	6	60	133076
2	6	60	133077
3	6	60	133078
4	6	60	133079
5	6	60	133080
6	6	60	133081
10	6	60	133082
15	6	60	133083
16	6	60	133084
20	6	60	133085
25	6	60	133086
32	6	60	133087
40	6	60	133088
50	4	60	133089
60	4	60	133090

D Z47-60 Curve B, 2P



In (A)	Ics (kA)	CTN	Order Code
1	4.5	60	133061
2	4.5	60	133062
3	4.5	60	133063
4	4.5	60	133064
5	4.5	60	133065
6	4.5	60	133066
10	4.5	60	133067
15	4.5	60	133068
16	4.5	60	133069
20	4.5	60	133070
25	4.5	60	133071
32	4.5	60	133072
40	4.5	60	133073
50	4.5	60	133074
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DZ47-60 Curve B, 2P



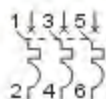
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1	3	60	133046
2	3	60	133047
3	3	60	133048
4	3	60	133049
5	3	60	133050
6	3	60	133051
10	3	60	133052
15	3	60	133053
16	3	60	133054
20	3	60	133055
25	3	60	133056
32	3	60	133057
40	3	60	133058
50	3	60	133059
60	3	60	133060

DZ47-60 Curve B, 3P



In (A)	Ics (kA)	CTN	Order Code
1	6	40	133121
2	6	40	133122
3	6	40	133123
4	6	40	133124
5	6	40	133125
6	6	40	133126
10	6	40	133127
15	6	40	133128
16	6	40	133129
20	6	40	133130
25	6	40	133131
32	6	40	133132
40	6	40	133133
50	4	40	133134
60	4	40	133135

DZ47-60 Curve B, 3P



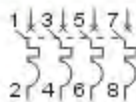
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1	4.5	40	133106
2	4.5	40	133107
3	4.5	40	133108
4	4.5	40	133109
5	4.5	40	133110
6	4.5	40	133111
10	4.5	40	133112
15	4.5	40	133113
16	4.5	40	133114
20	4.5	40	133115
25	4.5	40	133116
32	4.5	40	133117
40	4.5	40	133118
50	4.5	40	133119
60	4.5	40	133120

D Z47-60 Curve B, 3P



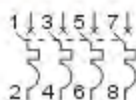
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2	3	40	133092
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5	3	40	133095
6	3	40	133096
10	3	40	133097
15	3	40	133098
16	3	40	133099
20	3	40	133100
25	3	40	133101
32	3	40	133102
40	3	40	133103
50	3	40	133104
60	3	40	133105

D Z47-60 Curve B, 4P



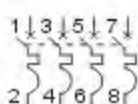
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1	6	30	133166
2	6	30	133167
3	6	30	133168
4	6	30	133169
5	6	30	133170
6	6	30	133171
10	6	30	133172
15	6	30	133173
16	6	30	133174
20	6	30	133175
25	6	30	133176
32	6	30	133177
40	6	30	133178
50	4	30	133179
60	4	30	133180

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In (A)	Ics (kA)	CTN	Order Code
1	4.5	30	133151
2	4.5	30	133152
3	4.5	30	133153
4	4.5	30	133154
5	4.5	30	133155
6	4.5	30	133156
10	4.5	30	133157
15	4.5	30	133158
16	4.5	30	133159
20	4.5	30	133160
25	4.5	30	133161
32	4.5	30	133162
40	4.5	30	133163
50	4.5	30	133164
60	4.5	30	133165

DZ47-60 Curve B, 4P



I_n (A)	I_{cs} (kA)	CTN	Order Code
1	3	30	133136
2	3	30	133137
3	3	30	133138
4	3	30	133139
5	3	30	133140
6	3	30	133141
10	3	30	133142
15	3	30	133143
16	3	30	133144
20	3	30	133145
25	3	30	133146
32	3	30	133147
40	3	30	133148
50	3	30	133149
60	3	30	133150

DZ47-60 Curve C, 1P



I_n (A)	I_{cs} (kA)	CTN	Order Code
1	6	120	133211
2	6	120	133212
3	6	120	133213
4	6	120	133214
5	6	120	133215
6	6	120	133216
10	6	120	133217
15	6	120	133218
16	6	120	133219
20	6	120	133220
25	6	120	133221
32	6	120	133222
40	6	120	133223
50	4	120	133224
60	4	120	133225

DZ47-60 Curve C, 1P



I_n (A)	I_{cs} (kA)	CTN	Order Code
1	4.5	120	133196
2	4.5	120	133197
3	4.5	120	133198
4	4.5	120	133199
5	4.5	120	133200
6	4.5	120	133201
10	4.5	120	133202
15	4.5	120	133203
16	4.5	120	133204
20	4.5	120	133205
25	4.5	120	133206
32	4.5	120	133207
40	4.5	120	133208
50	4.5	120	133209
60	4.5	120	133210

DZ47-60 Curve C, 1P



In (A)	Ics (kA)	CTN	Order Code
1	3	120	133181
2	3	120	133182
3	3	120	133183
4	3	120	133184
5	3	120	133185
6	3	120	133186
10	3	120	133187
15	3	120	133188
16	3	120	133189
20	3	120	133190
25	3	120	133191
32	3	120	133192
40	3	120	133193
50	3	120	133194
60	3	120	133195

DZ47-60 Curve C, 2P



In (A)	Ics (kA)	CTN	Order Code
1	6	60	133256
2	6	60	133257
3	6	60	133258
4	6	60	133259
5	6	60	133260
6	6	60	133261
10	6	60	133262
15	6	60	133263
16	6	60	133264
20	6	60	133265
25	6	60	133266
32	6	60	133267
40	6	60	133268
50	4	60	133269
60	4	60	133270

DZ47-60 Curve C, 2P



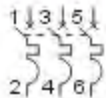
In (A)	Ics (kA)	CTN	Order Code
1	4.5	60	133241
2	4.5	60	133242
3	4.5	60	133243
4	4.5	60	133244
5	4.5	60	133245
6	4.5	60	133246
10	4.5	60	133247
15	4.5	60	133248
16	4.5	60	133249
20	4.5	60	133250
25	4.5	60	133251
32	4.5	60	133252
40	4.5	60	133253
50	4.5	60	133254
60	4.5	60	133255

DZ47-60 Curve C , 2P



In (A)	Ics (kA)	CTN	Order Code
1	3	60	133226
2	3	60	133227
3	3	60	133228
4	3	60	133229
5	3	60	133230
6	3	60	133231
10	3	60	133232
15	3	60	133233
16	3	60	133234
20	3	60	133235
25	3	60	133236
32	3	60	133237
40	3	60	133238
50	3	60	133239
60	3	60	133240

DZ47-60 Curve C , 3P



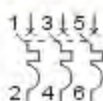
In (A)	Ics (kA)	CTN	Order Code
1	6	40	133301
2	6	40	133302
3	6	40	133303
4	6	40	133304
5	6	40	133305
6	6	40	133306
10	6	40	133307
15	6	40	133308
16	6	40	133309
20	6	40	133310
25	6	40	133311
32	6	40	133312
40	6	40	133313
50	4	40	133314
60	4	40	133315

DZ47-60 Curve C , 3P



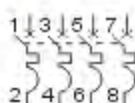
In (A)	Ics (kA)	CTN	Order Code
1	4.5	40	133286
2	4.5	40	133287
3	4.5	40	133288
4	4.5	40	133289
5	4.5	40	133290
6	4.5	40	133291
10	4.5	40	133292
15	4.5	40	133293
16	4.5	40	133294
20	4.5	40	133295
25	4.5	40	133296
32	4.5	40	133297
40	4.5	40	133298
50	4.5	40	133299
60	4.5	40	133300

DZ47-60 Curve C, 3P



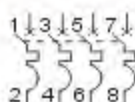
In (A)	Ics (kA)	CTN	Order Code
1	3	40	133271
2	3	40	133272
3	3	40	133273
4	3	40	133274
5	3	40	133275
6	3	40	133276
10	3	40	133277
15	3	40	133278
16	3	40	133279
20	3	40	133280
25	3	40	133281
32	3	40	133282
40	3	40	133283
50	3	40	133284
60	3	40	133285

DZ47-60 Curve C, 4P



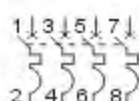
In (A)	Ics (kA)	CTN	Order Code
1	6	30	133346
2	6	30	133347
3	6	30	133348
4	6	30	133349
5	6	30	133350
6	6	30	133351
10	6	30	133352
15	6	30	133353
16	6	30	133354
20	6	30	133355
25	6	30	133356
32	6	30	133357
40	6	30	133358
50	4	30	133359
60	4	30	133360

DZ47-60 Curve C, 4P



In (A)	Ics (kA)	CTN	Order Code
1	4.5	30	133331
2	4.5	30	133332
3	4.5	30	133333
4	4.5	30	133334
5	4.5	30	133335
6	4.5	30	133336
10	4.5	30	133337
15	4.5	30	133338
16	4.5	30	133339
20	4.5	30	133340
25	4.5	30	133341
32	4.5	30	133342
40	4.5	30	133343
50	4.5	30	133344
60	4.5	30	133345

DZ47-60 Curve C, 4P



In (A)	Ics (kA)	CTN	Order Code
1	3	30	133316
2	3	30	133317
3	3	30	133318
4	3	30	133319
5	3	30	133320
6	3	30	133321
10	3	30	133322
15	3	30	133323
16	3	30	133324
20	3	30	133325
25	3	30	133326
32	3	30	133327
40	3	30	133328
50	3	30	133329
60	3	30	133330

DZ47-60 Curve D, 1P



In (A)	Ics (kA)	CTN	Order Code
1	4	120	133391
2	4	120	133392
3	4	120	133393
4	4	120	133394
5	4	120	133395
6	4	120	133396
10	4	120	133397
15	4	120	133398
16	4	120	133399
20	4	120	133400
25	4	120	133401
32	4	120	133402
40	4	120	133403
50	4	120	133404
60	4	120	133405

DZ47-60 Curve D, 1P



In (A)	Ics (kA)	CTN	Order Code
1	4.5	120	133376
2	4.5	120	133377
3	4.5	120	133378
4	4.5	120	133379
5	4.5	120	133380
6	4.5	120	133381
10	4.5	120	133382
15	4.5	120	133383
16	4.5	120	133384
20	4.5	120	133385
25	4.5	120	133386
32	4.5	120	133387
40	4.5	120	133388
50	4.5	120	133389
60	4.5	120	133390

DZ47-60 Curve D, 1P



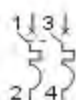
In (A)	Ics (kA)	CTN	Order Code
1	3	120	133361
2	3	120	133362
3	3	120	133363
4	3	120	133364
5	3	120	133365
6	3	120	133366
10	3	120	133367
15	3	120	133368
16	3	120	133369
20	3	120	133370
25	3	120	133371
32	3	120	133372
40	3	120	133373
50	3	120	133374
60	3	120	133375

DZ47-60 Curve D, 2P



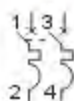
In (A)	Ics (kA)	CTN	Order Code
1	4	60	133436
2	4	60	133437
3	4	60	133438
4	4	60	133439
5	4	60	133440
6	4	60	133441
10	4	60	133442
15	4	60	133443
16	4	60	133444
20	4	60	133445
25	4	60	133446
32	4	60	133447
40	4	60	133448
50	4	60	133449
60	4	60	133450

DZ47-60 Curve D, 2P



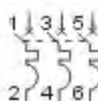
In (A)	Ics (kA)	CTN	Order Code
1	4.5	60	133421
2	4.5	60	133422
3	4.5	60	133423
4	4.5	60	133424
5	4.5	60	133425
6	4.5	60	133426
10	4.5	60	133427
15	4.5	60	133428
16	4.5	60	133429
20	4.5	60	133430
25	4.5	60	133431
32	4.5	60	133432
40	4.5	60	133433
50	4.5	60	133434
60	4.5	60	133435

DZ47-60 Curve D, 2P



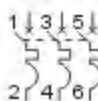
In (A)	Ics (kA)	CTN	Order Code
1	3	60	133406
2	3	60	133407
3	3	60	133408
4	3	60	133409
5	3	60	133410
6	3	60	133411
10	3	60	133412
15	3	60	133413
16	3	60	133414
20	3	60	133415
25	3	60	133416
32	3	60	133417
40	3	60	133418
50	3	60	133419
60	3	60	133420

DZ47-60 Curve D, 3P



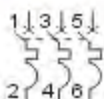
In (A)	Ics (kA)	CTN	Order Code
1	4	40	133481
2	4	40	133482
3	4	40	133483
4	4	40	133484
5	4	40	133485
6	4	40	133486
10	4	40	133487
15	4	40	133488
16	4	40	133489
20	4	40	133490
25	4	40	133491
32	4	40	133492
40	4	40	133493
50	4	40	133494
60	4	40	133495

DZ47-60 Curve D, 3P



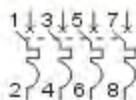
In (A)	Ics (kA)	CTN	Order Code
1	4.5	40	133466
2	4.5	40	133467
3	4.5	40	133468
4	4.5	40	133469
5	4.5	40	133470
6	4.5	40	133471
10	4.5	40	133472
15	4.5	40	133473
16	4.5	40	133474
20	4.5	40	133475
25	4.5	40	133476
32	4.5	40	133477
40	4.5	40	133478
50	4.5	40	133479
60	4.5	40	133480

DZ47-60 Curve D, 3P



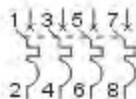
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1	3	40	133451
2	3	40	133452
3	3	40	133453
4	3	40	133454
5	3	40	133455
6	3	40	133456
10	3	40	133457
15	3	40	133458
16	3	40	133459
20	3	40	133460
25	3	40	133461
32	3	40	133462
40	3	40	133463
50	3	40	133464
60	3	40	133465

DZ47-60 Curve D, 4P



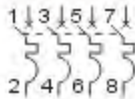
In (A)	Ics (kA)	CTN	Order Code
1	4	30	133526
2	4	30	133527
3	4	30	133528
4	4	30	133529
5	4	30	133530
6	4	30	133531
10	4	30	133532
15	4	30	133533
16	4	30	133534
20	4	30	133535
25	4	30	133536
32	4	30	133537
40	4	30	133538
50	4	30	133539
60	4	30	133540

DZ47-60 Curve D, 4P



In (A)	Ics (kA)	CTN	Order Code
1	4.5	30	133511
2	4.5	30	133512
3	4.5	30	133513
4	4.5	30	133514
5	4.5	30	133515
6	4.5	30	133516
10	4.5	30	133517
15	4.5	30	133518
16	4.5	30	133519
20	4.5	30	133520
25	4.5	30	133521
32	4.5	30	133522
40	4.5	30	133523
50	4.5	30	133524
60	4.5	30	133525

DZ47-60 Curve D, 4P



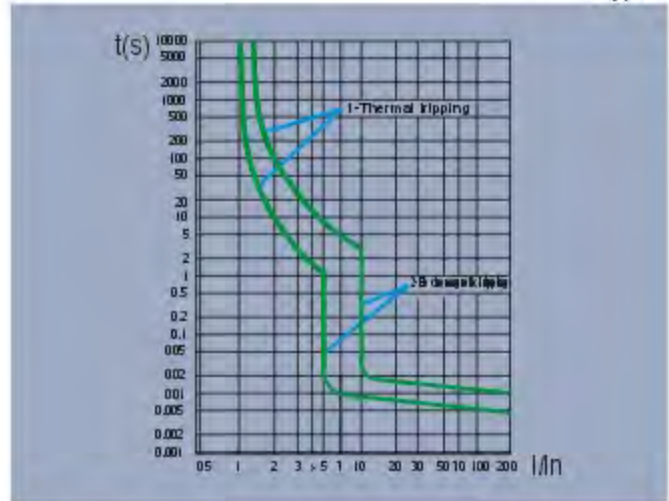
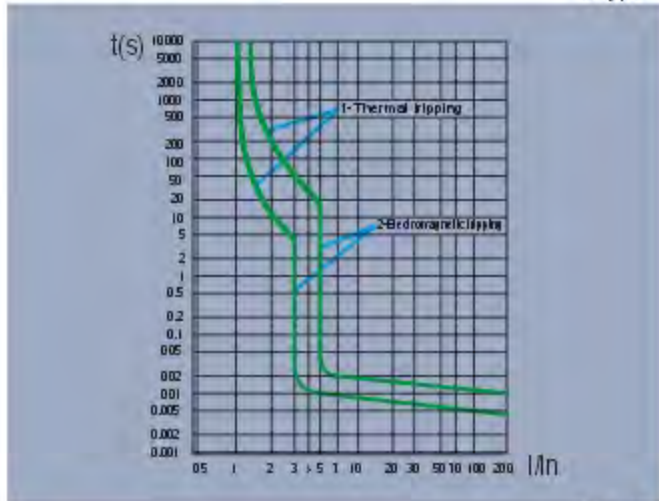
I_n (A)	I_{cs} (kA)	CTN	Order Code
1	3	30	133496
2	3	30	133497
3	3	30	133498
4	3	30	133499
5	3	30	133500
6	3	30	133501
10	3	30	133502
15	3	30	133503
16	3	30	133504
20	3	30	133505
25	3	30	133506
32	3	30	133507
40	3	30	133508
50	3	30	133509
60	3	30	133510

Curves

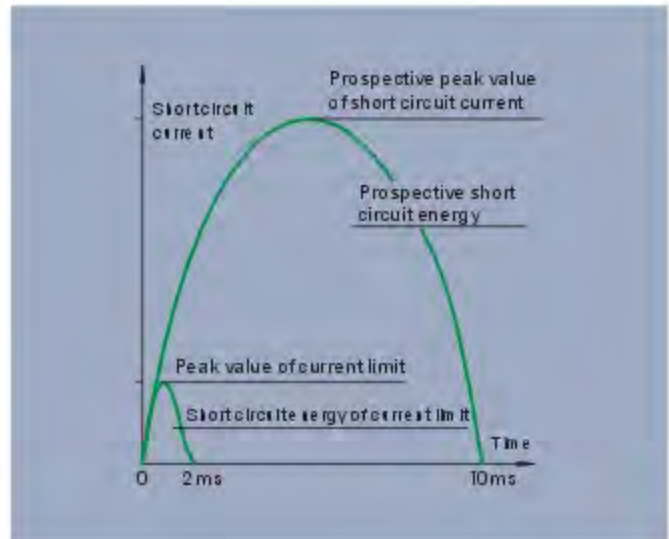
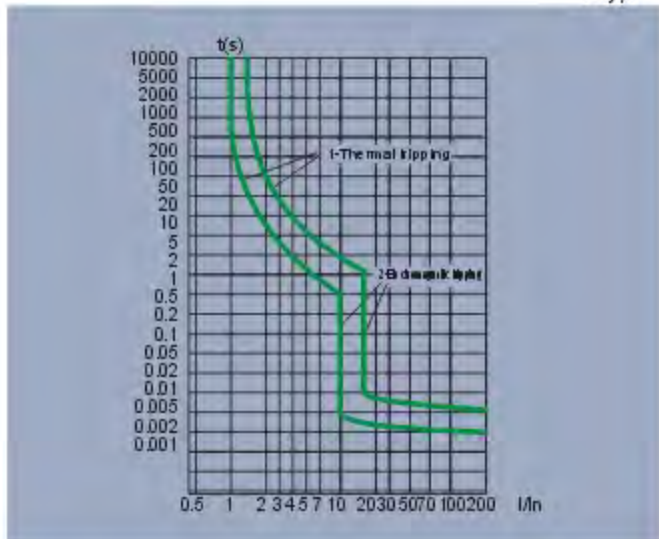
DZ47-60 MCB is of high current limiting performance to limit the destruction energy due to short circuit to the greatest extent.

B type

C type



D type



3.2 Please refer to table below for temperature compensation correction

In A	Temperature compensation coefficient under various operational temperature								
	-10℃	0℃	10℃	20℃	30℃	40℃	50℃	55℃	60℃
1~6	1.20	1.14	1.09	1.05	1.00	0.96	0.80	0.75	0.70
10~32	1.18	1.12	1.08	1.04	1.00	0.96	0.92	0.88	0.84
40~60	1.16	1.12	1.08	1.03	1.00	0.9	0.87	0.83	0.80

4. Wiring

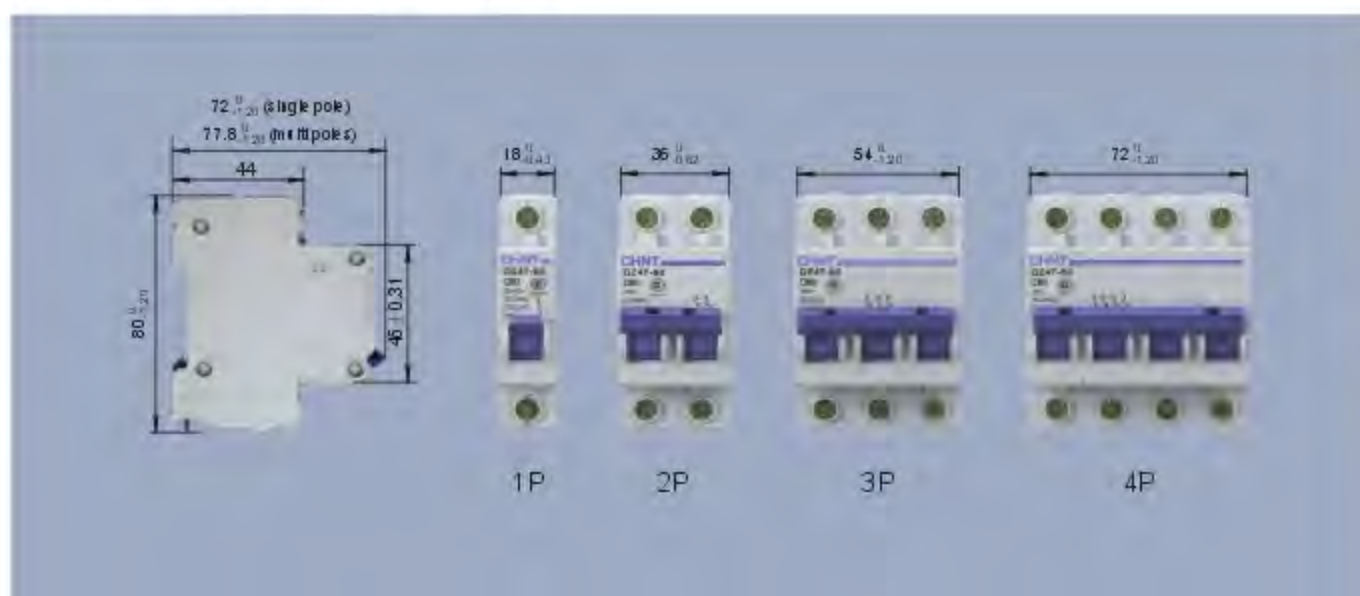
The suitable conductors should be used for connection, see table below for relative parameters.

In A	Cross section area S (mm ²)	Tightening torque (N · m)
1~6	1	2
10	1.5	2
15 (16), 20	2.5	2
25	4	2
32	6	2
40, 50	10	2
60 (63)	16	2

5. Features

The breaker is characterized by compact design, lightweight, elegant appearance, high breaking capacity, swift releasing and long service life.

6. Overall and Mounting Dimensions



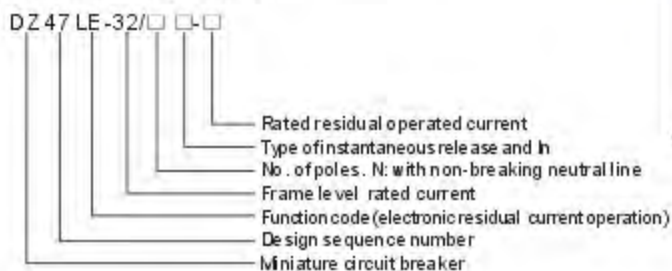
DZ47LE-32 Residual Current Operated Circuit Breaker (Electronic)

1. General

- 1.1 Certificates: CE, PCT;
- 1.2 Electric ratings: up to 32A, 230/400V, 32A;
- 1.3 Tripping characteristics: C, D;
- 1.4 Rated residual current operated making & breaking capacity $I_{\Delta n}$: 2000 A;
- 1.5 Rated residual non-operated current $I_{\Delta no}$: 0.5I_n;
- 1.6 Rated insulation voltage U_i : 500 V;
- 1.7 Rated impulse withstand voltage U_{imp} : 6000 V;
- 1.8 Life (operations):
 - a. Electric life: 2000, COS $\phi=0.85\sim 0.9$
 - b. Mechanical life: 2000
 - c. Operating frequency: 240/h($I_n \leq 25A$), 120/h($I_n > 25A$)
- 1.9 Ambient temperature: $-5^{\circ}C \sim +40^{\circ}C$
- 1.10 Standard: IEC 61009-1

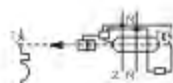


2. Type Designation



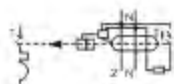
3. Technical Data

- 3.1 Technical parameters
- DZ47LE-32, Curve C, 1P+N



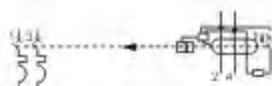
I_n (A)	I_{cn} (kA)	$I_{\Delta n}$ (mA)	CTN	Order Code
6	6	30	72	144001
6	6	100	72	144002
6	6	300	72	144003
10	6	30	72	144004
10	6	100	72	144005
10	6	300	72	144006
16	6	30	72	144007
16	6	100	72	144008
16	6	300	72	144009
20	6	30	72	144010
20	6	100	72	144011
20	6	300	72	144012
25	6	30	72	144013
25	6	100	72	144014
25	6	300	72	144015
32	6	30	72	144016
32	6	100	72	144017
32	6	300	72	144018

DZ47LE-32, Curve D, 1P+N



In (A)	I _{cn} (kA)	I _{Δn} (mA)	CTN	Order Code
6	4.5	30	72	144091
6	4.5	100	72	144092
6	4.5	300	72	144093
10	4.5	30	72	144094
10	4.5	100	72	144095
10	4.5	300	72	144096
16	4.5	30	72	144097
16	4.5	100	72	144098
16	4.5	300	72	144099
20	4.5	30	72	144100
20	4.5	100	72	144101
20	4.5	300	72	144102
25	4.5	30	72	144103
25	4.5	100	72	144104
25	4.5	300	72	144105
32	4.5	30	72	144106
32	4.5	100	72	144107
32	4.5	300	72	144108

DZ47LE-32, Curve C, 2P



In (A)	I _{cn} (kA)	I _{Δn} (mA)	CTN	Order Code
6	6	30	54	144019
6	6	100	54	144020
6	6	300	54	144021
10	6	30	54	144022
10	6	100	54	144023
10	6	300	54	144024
16	6	30	54	144025
16	6	100	54	144026
16	6	300	54	144027
20	6	30	54	144028
20	6	100	54	144029
20	6	300	54	144030
25	6	30	54	144031
25	6	100	54	144032
25	6	300	54	144033
32	6	30	54	144034
32	6	100	54	144035
32	6	300	54	144036

DZ47LE-32, Curve D, 2P



In (A)	Icn (kA)	IΔn (mA)	CTN	Order Code
6	4.5	30	54	144109
6	4.5	100	54	144110
6	4.5	300	54	144111
10	4.5	30	54	144112
10	4.5	100	54	144113
10	4.5	300	54	144114
16	4.5	30	54	144115
16	4.5	100	54	144116
16	4.5	300	54	144117
20	4.5	30	54	144118
20	4.5	100	54	144119
20	4.5	300	54	144120
25	4.5	30	54	144121
25	4.5	100	54	144122
25	4.5	300	54	144123
32	4.5	30	54	144124
32	4.5	100	54	144125
32	4.5	300	54	144126

DZ47LE-32, Curve C, 3P



In (A)	Icn (kA)	IΔn (mA)	CTN	Order Code
6	6	30	36	144037
6	6	100	36	144038
6	6	300	36	144039
10	6	30	36	144040
10	6	100	36	144041
10	6	300	36	144042
16	6	30	36	144043
16	6	100	36	144044
16	6	300	36	144045
20	6	30	36	144046
20	6	100	36	144047
20	6	300	36	144048
25	6	30	36	144049
25	6	100	36	144050
25	6	300	36	144051
32	6	30	36	144052
32	6	100	36	144053
32	6	300	36	144054

DZ47LE-32, Curve D, 3P



I_n (A)	I_{cn} (kA)	$I_{\Delta n}$ (mA)	CTN	Order Code
6	4.5	30	36	144127
6	4.5	100	36	144128
6	4.5	300	36	144129
10	4.5	30	36	144130
10	4.5	100	36	144131
10	4.5	300	36	144132
16	4.5	30	36	144133
16	4.5	100	36	144134
16	4.5	300	36	144135
20	4.5	30	36	144136
20	4.5	100	36	144137
20	4.5	300	36	144138
25	4.5	30	36	144139
25	4.5	100	36	144140
25	4.5	300	36	144141
32	4.5	30	36	144142
32	4.5	100	36	144143
32	4.5	300	36	144144

DZ47LE-32, Curve C, 3P+N



I_n (A)	I_{cn} (kA)	$I_{\Delta n}$ (mA)	CTN	Order Code
6	6	30	27	144055
6	6	100	27	144056
6	6	300	27	144057
10	6	30	27	144058
10	6	100	27	144059
10	6	300	27	144060
16	6	30	27	144061
16	6	100	27	144062
16	6	300	27	144063
20	6	30	27	144064
20	6	100	27	144065
20	6	300	27	144066
25	6	30	27	144067
25	6	100	27	144068
25	6	300	27	144069
32	6	30	27	144070
32	6	100	27	144071
32	6	300	27	144072

D Z47LE-32, Curve D, 3P+N



In (A)	Icn (kA)	IΔn (mA)	CTN	Order Code
6	4.5	30	27	144145
6	4.5	100	27	144146
6	4.5	300	27	144147
10	4.5	30	27	144148
10	4.5	100	27	144149
10	4.5	300	27	144150
16	4.5	30	27	144151
16	4.5	100	27	144152
16	4.5	300	27	144153
20	4.5	30	27	144154
20	4.5	100	27	144155
20	4.5	300	27	144156
25	4.5	30	27	144157
25	4.5	100	27	144158
25	4.5	300	27	144159
32	4.5	30	27	144160
32	4.5	100	27	144161
32	4.5	300	27	144162

D Z47LE-32, Curve C, 4P



In (A)	Icn (kA)	IΔn (mA)	CTN	Order Code
6	6	30	27	144073
6	6	100	27	144074
6	6	300	27	144075
10	6	30	27	144076
10	6	100	27	144077
10	6	300	27	144078
16	6	30	27	144079
16	6	100	27	144080
16	6	300	27	144081
20	6	30	27	144082
20	6	100	27	144083
20	6	300	27	144084
25	6	30	27	144085
25	6	100	27	144086
25	6	300	27	144087
32	6	30	27	144088
32	6	100	27	144089
32	6	300	27	144090

DZ47LE-32, Curve D, 4P

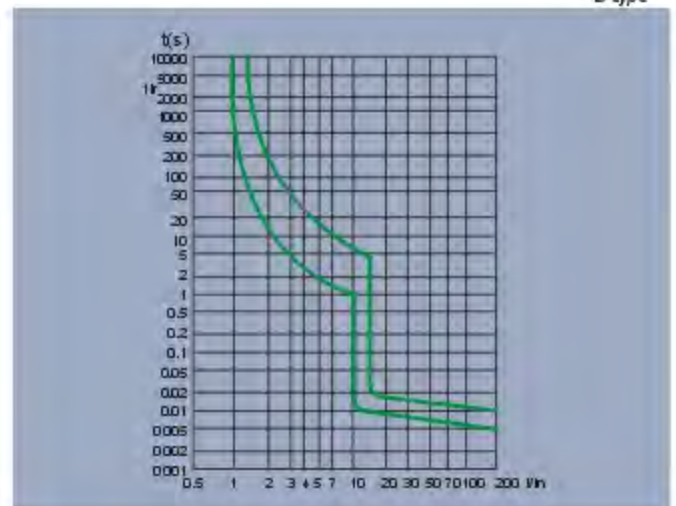
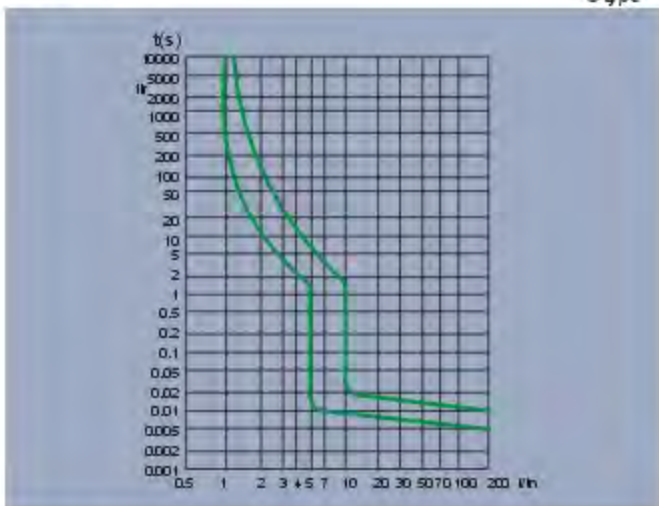


I_n (A)	I_{cn} (kA)	$I_{\Delta n}$ (mA)	CTN	Order Code
6	4.5	30	27	144163
6	4.5	100	27	144164
6	4.5	300	27	144165
10	4.5	30	27	144166
10	4.5	100	27	144167
10	4.5	300	27	144168
16	4.5	30	27	144169
16	4.5	100	27	144170
16	4.5	300	27	144171
20	4.5	30	27	144172
20	4.5	100	27	144173
20	4.5	300	27	144174
25	4.5	30	27	144175
25	4.5	100	27	144176
25	4.5	300	27	144177
32	4.5	30	27	144178
32	4.5	100	27	144179
32	4.5	300	27	144180

Curves

C type

D type



3.2 Breaking time of residual current

I_n (A)	$I_{\Delta n}$ (A)	Breaking time of residual current (I_{Δ} is ratings following)				
		$I_{\Delta n}$	$2I_{\Delta n}$	$5I_{\Delta n}$	5A, 10A, 20A, 50A, 100A, 200A, 500A'	$I_{\Delta} t'$
6~32	0.03, 0.1, 0.3	0.1s	0.05s	0.04s	0.04s	0.04s

Note:

- a. Current ratings beyond the lower limit of over-current instantaneous tripping range will not be tested through the test to current of 5A, 10A, 20A, 50A, 100A, 200A, 500A;
- b. When $I_{\Delta} t'$ equals to current ratings at the lower limit of C or D instantaneous over-current tripping range, the test carried out.

3.3 Please refer to table below for temperature compensation correction.

Temperature	-15 °C	-5 °C	0 °C	10 °C	20 °C	30 °C	40 °C	55 °C
Temperature compensation coefficient of rated current	1.19	1.15	1.13	1.06	1.05	1.00	0.96	0.89

4. Wiring

The suitable conductors should be used for connection, see table below for relative parameters.

Rated current In (A)	Cross section area S (mm ²)	Tightening torque (N · m)
≤10	1.5	2
16, 20	2.5	2
25	4	2
32	6	2

5. Overall and Mounting Dimensions

Overall and Mounting Dimensions



Dimension of standard rail



Number of poles	1P+N	2P	3P	3P+N	4P
L (mm)	45 ⁰ _{-0.62}	63 ⁰ _{-0.74}	90 ⁰ _{-1.40}	99 ⁰ _{-1.40}	117 ⁰ _{-1.40}
H (mm)	74 ⁰ _{-1.20}	77.8 ⁰ _{-1.20}	77.8 ⁰ _{-1.20}	77.8 ⁰ _{-1.20}	77.8 ⁰ _{-1.20}



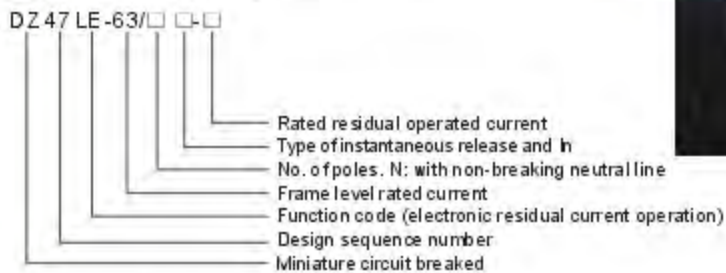
DZ47LE-63 Residual Current Operated Circuit Breaker

1. General

- 1.1 Certificates: CE, PCT, UKRTEST;
- 1.2 Electric ratings: up to 60A, 230/400V, AC 50/60Hz;
- 1.3 Tripping characteristics: C, D;
- 1.4 Rated residual current operated making & breaking capacity $I_{\Delta m}$: 2000 A;
- 1.5 Rated residual non-operated current $I_{\Delta no}$: 0.5I_n;
- 1.6 Rated insulation voltage U_i : 500 V;
- 1.7 Rated impulse withstand voltage U_{imp} : 6000 V;
- 1.8 Life (operations):
 - a. Electric life: 2000, COS ϕ = 0.85~0.9
 - b. Mechanical life: 2000
 - c. Operating frequency: 240/h (I_n ≤ 25 A), 120/h (I_n > 25 A)
- 1.9 Ambient temperature: -5°C ~ +40°C
- 1.10 Standard: IEC 61009-1

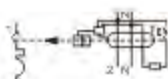


2. Type Designation



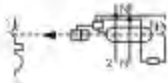
3. Technical Data

- 3.1 Technical parameters
- DZ47LE-63, Curve C, 1P+N



I_n (A)	I_{cn} (kA)	$I_{\Delta n}$ (mA)	CTN	Order Code
6	6	30	72	144201
6	6	100	72	144202
6	6	300	72	144203
10	6	30	72	144204
10	6	100	72	144205
10	6	300	72	144206
16	6	30	72	144207
16	6	100	72	144208
16	6	300	72	144209
20	6	30	72	144210
20	6	100	72	144211
20	6	300	72	144212
25	6	30	72	144213
25	6	100	72	144214
25	6	300	72	144215
32	6	30	72	144216
32	6	100	72	144217
32	6	300	72	144218
40	6	30	72	144219
40	6	100	72	144220
40	6	300	72	144221
50	4.5	30	72	144222
50	4.5	100	72	144223
50	4.5	300	72	144224
60	4.5	30	72	144225
60	4.5	100	72	144226
60	4.5	300	72	144227

D Z47LE-63, Curve D, 1P+N



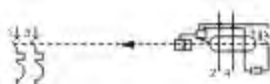
In (A)	Icn (kA)	I _n (mA)	CTN	Order Code
6	4.5	30	72	144336
6	4.5	100	72	144337
6	4.5	300	72	144338
10	4.5	30	72	144339
10	4.5	100	72	144340
10	4.5	300	72	144341
16	4.5	30	72	144342
16	4.5	100	72	144343
16	4.5	300	72	144344
20	4.5	30	72	144345
20	4.5	100	72	144346
20	4.5	300	72	144347
25	4.5	30	72	144348
25	4.5	100	72	144349
25	4.5	300	72	144350
32	4.5	30	72	144351
32	4.5	100	72	144352
32	4.5	300	72	144353
40	4.5	30	72	144354
40	4.5	100	72	144355
40	4.5	300	72	144356
50	4.5	30	72	144357
50	4.5	100	72	144358
50	4.5	300	72	144359
60	4.5	30	72	144360
60	4.5	100	72	144361
60	4.5	300	72	144362

D Z47LE-63, Curve C, 2P



In (A)	Icn (kA)	I _n (mA)	CTN	Order Code
6	6	30	54	144228
6	6	100	54	144229
6	6	300	54	144230
10	6	30	54	144231
10	6	100	54	144232
10	6	300	54	144233
16	6	30	54	144234
16	6	100	54	144235
16	6	300	54	144236
20	6	30	54	144237
20	6	100	54	144238
20	6	300	54	144239
25	6	30	54	144240
25	6	100	54	144241
25	6	300	54	144242
32	6	30	54	144243
32	6	100	54	144244
32	6	300	54	144245
40	6	30	54	144246
40	6	100	54	144247
40	6	300	54	144248
50	4.5	30	54	144249
50	4.5	100	54	144250
50	4.5	300	54	144251
60	4.5	30	54	144252
60	4.5	100	54	144253
60	4.5	300	54	144254

DZ47LE-63, Curve D, 2P



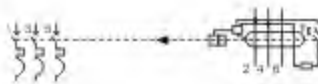
In (A)	Icn (kA)	I _n (mA)	CTN	Order Code
6	4.5	30	54	144363
6	4.5	100	54	144364
6	4.5	300	54	144365
10	4.5	30	54	144366
10	4.5	100	54	144367
10	4.5	300	54	144368
16	4.5	30	54	144369
16	4.5	100	54	144370
16	4.5	300	54	144371
20	4.5	30	54	144372
20	4.5	100	54	144373
20	4.5	300	54	144374
25	4.5	30	54	144375
25	4.5	100	54	144376
25	4.5	300	54	144377
32	4.5	30	54	144378
32	4.5	100	54	144379
32	4.5	300	54	144380
40	4.5	30	54	144381
40	4.5	100	54	144382
40	4.5	300	54	144383
50	4.5	30	54	144384
50	4.5	100	54	144385
50	4.5	300	54	144386
60	4.5	30	54	144387
60	4.5	100	54	144388
60	4.5	300	54	144389

DZ47LE-63, Curve C, 3P



In (A)	Icn (kA)	I _n (mA)	CTN	Order Code
6	6	30	36	144255
6	6	100	36	144256
6	6	300	36	144257
10	6	30	36	144258
10	6	100	36	144259
10	6	300	36	144260
16	6	30	36	144261
16	6	100	36	144262
16	6	300	36	144263
20	6	30	36	144264
20	6	100	36	144265
20	6	300	36	144266
25	6	30	36	144267
25	6	100	36	144268
25	6	300	36	144269
32	6	30	36	144270
32	6	100	36	144271
32	6	300	36	144272
40	6	30	36	144273
40	6	100	36	144274
40	6	300	36	144275
50	4.5	30	36	144276
50	4.5	100	36	144277
50	4.5	300	36	144278
60	4.5	30	36	144279
60	4.5	100	36	144280
60	4.5	300	36	144281

D Z47LE-63, Curve D, 3P



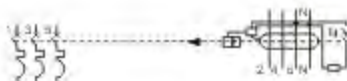
In (A)	Icn (kA)	I _n (mA)	CTN	Order Code
6	4.5	30	36	144390
6	4.5	100	36	144391
6	4.5	300	36	144392
10	4.5	30	36	144393
10	4.5	100	36	144394
10	4.5	300	36	144395
16	4.5	30	36	144396
16	4.5	100	36	144397
16	4.5	300	36	144398
20	4.5	30	36	144399
20	4.5	100	36	144400
20	4.5	300	36	144401
25	4.5	30	36	144402
25	4.5	100	36	144403
25	4.5	300	36	144404
32	4.5	30	36	144405
32	4.5	100	36	144406
32	4.5	300	36	144407
40	4.5	30	36	144408
40	4.5	100	36	144409
40	4.5	300	36	144410
50	4.5	30	36	144411
50	4.5	100	36	144412
50	4.5	300	36	144413
60	4.5	30	36	144414
60	4.5	100	36	144415
60	4.5	300	36	144416

D Z47LE-63, Curve C, 3P+N



In (A)	Icn (kA)	I _n (mA)	CTN	Order Code
6	6	30	27	144282
6	6	100	27	144283
6	6	300	27	144284
10	6	30	27	144285
10	6	100	27	144286
10	6	300	27	144287
16	6	30	27	144288
16	6	100	27	144289
16	6	300	27	144290
20	6	30	27	144291
20	6	100	27	144292
20	6	300	27	144293
25	6	30	27	144294
25	6	100	27	144295
25	6	300	27	144296
32	6	30	27	144297
32	6	100	27	144298
32	6	300	27	144299
40	6	30	27	144300
40	6	100	27	144301
40	6	300	27	144302
50	4.5	30	27	144303
50	4.5	100	27	144304
50	4.5	300	27	144305
60	4.5	30	27	144306
60	4.5	100	27	144307
60	4.5	300	27	144308

DZ47LE-63, Curve D, 3P+N



In (A)	Icn (kA)	IΔn (mA)	CTN	Order Code
6	4.5	30	27	144417
6	4.5	100	27	144418
6	4.5	300	27	144419
10	4.5	30	27	144420
10	4.5	100	27	144421
10	4.5	300	27	144422
16	4.5	30	27	144423
16	4.5	100	27	144424
16	4.5	300	27	144425
20	4.5	30	27	144426
20	4.5	100	27	144427
20	4.5	300	27	144428
25	4.5	30	27	144429
25	4.5	100	27	144430
25	4.5	300	27	144431
32	4.5	30	27	144432
32	4.5	100	27	144433
32	4.5	300	27	144434
40	4.5	30	27	144435
40	4.5	100	27	144436
40	4.5	300	27	144437
50	4.5	30	27	144438
50	4.5	100	27	144439
50	4.5	300	27	144440
60	4.5	30	27	144441
60	4.5	100	27	144442
60	4.5	300	27	144443

DZ47LE-63, Curve C, 4P



In (A)	Icn (kA)	IΔn (mA)	CTN	Order Code
6	6	30	27	144309
6	6	100	27	144310
6	6	300	27	144311
10	6	30	27	144312
10	6	100	27	144313
10	6	300	27	144314
16	6	30	27	144315
16	6	100	27	144316
16	6	300	27	144317
20	6	30	27	144318
20	6	100	27	144319
20	6	300	27	144320
25	6	30	27	144321
25	6	100	27	144322
25	6	300	27	144323
32	6	30	27	144324
32	6	100	27	144325
32	6	300	27	144326
40	6	30	27	144327
40	6	100	27	144328
40	6	300	27	144329
50	4.5	30	27	144330
50	4.5	100	27	144331
50	4.5	300	27	144332
60	4.5	30	27	144333
60	4.5	100	27	144334
60	4.5	300	27	144335

D Z47LE-63, Curve D, 4P

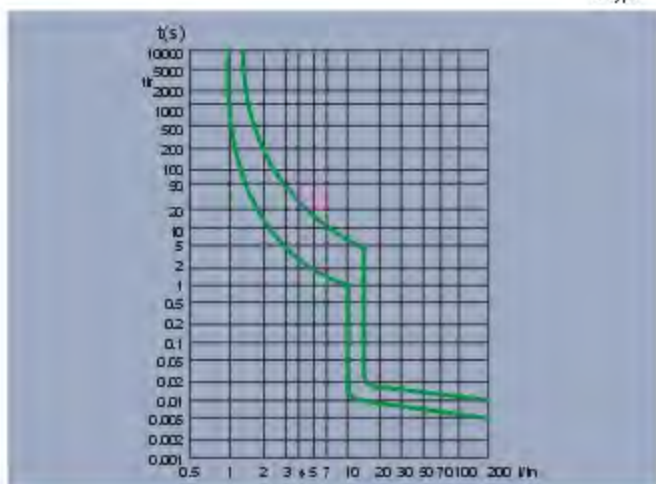
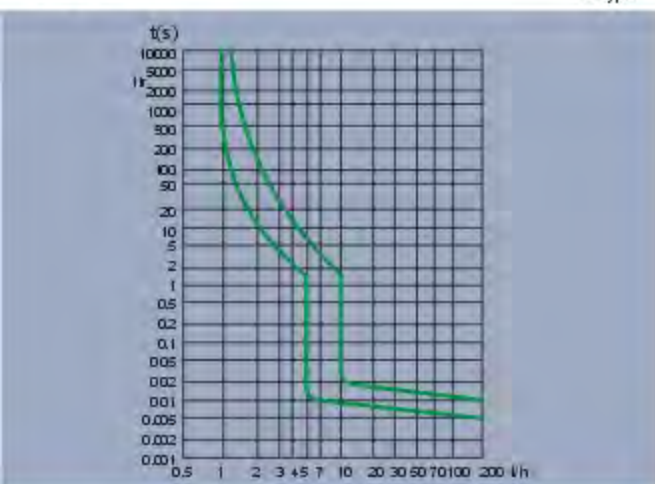


I_n (A)	I_{cn} (kA)	$I_{\Delta n}$ (mA)	CTN	Order Code
6	4.5	30	27	144444
6	4.5	100	27	144445
6	4.5	300	27	144446
10	4.5	30	27	144447
10	4.5	100	27	144448
10	4.5	300	27	144449
16	4.5	30	27	144450
16	4.5	100	27	144451
16	4.5	300	27	144452
20	4.5	30	27	144453
20	4.5	100	27	144454
20	4.5	300	27	144455
25	4.5	30	27	144456
25	4.5	100	27	144457
25	4.5	300	27	144458
32	4.5	30	27	144459
32	4.5	100	27	144460
32	4.5	300	27	144461
40	4.5	30	27	144462
40	4.5	100	27	144463
40	4.5	300	27	144464
50	4.5	30	27	144465
50	4.5	100	27	144466
50	4.5	300	27	144467
60	4.5	30	27	144468
60	4.5	100	27	144469
60	4.5	300	27	144470

Curves

Ctype

Dtype



3.2 Breaking time of residual current

I_n (A)	$I_{\Delta n}$ (A)	Breaking time of residual current (I_{Δ} is ratings following)				
		$I_{\Delta n}$	$2I_{\Delta n}$	$5I_{\Delta n}$	5A, 10A, 20A, 50A, 100A, 200A, 500A*	$I_{\Delta} t^*$
6~60	0.03, 0.1, 0.3	0.1s	0.05s	0.04s	0.04s	0.04s

Note:

- a. Current ratings beyond the lower limit of over-current instantaneous tripping range will not be tested through the test to current of 5A, 10A, 20A, 50A, 100A, 200A, 500A;
- b. When $I_{\Delta} t$ equal to current ratings at the lower limit of C or D instantaneous over-current tripping range, the test carried out.

3.3 Please refer to table below for temperature compensation correction.

Temperature	-15℃	-5℃	0℃	10℃	20℃	30℃	40℃	55℃
Temperature compensation coefficient of rated current	1.19	1.15	1.13	1.06	1.05	1.00	0.96	0.89

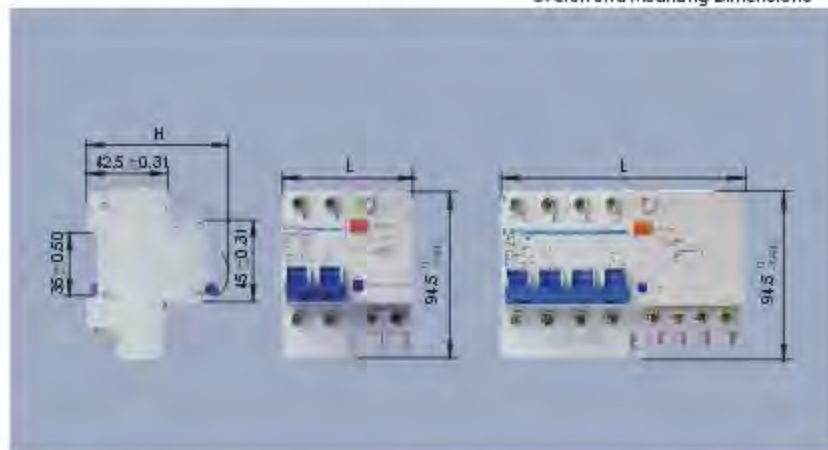
4. Wiring

The suitable conductors should be used for connection, see table below for relative parameters.

Rated current In (A)	Cross section area S (mm ²)	Tightening torque (N·m)
≤10	1.5	2
16, 20	2.5	2
25	4	2
32	6	2
40, 50	10	2
60, 63	16	2

5. Overall and Mounting Dimensions

Overall and Mounting Dimensions



Dimension of standard rail



Number of poles	1P+N	2P	3P	3P+N	4P
L (mm)	54 ⁰ _{-0.74}	72 ⁰ _{-0.74}	103.5 ⁰ _{-1.40}	117 ⁰ _{-1.40}	135 ⁰ _{-1.60}
H (mm)	74 ⁰ _{-1.20}	77.8 ⁰ _{-1.20}	77.8 ⁰ _{-1.20}	77.8 ⁰ _{-1.20}	77.8 ⁰ _{-1.20}

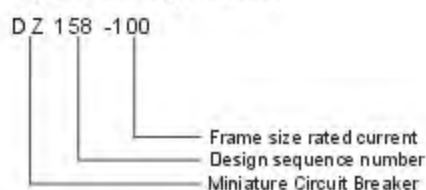
DZ158-100 Miniature Circuit Breaker

1. General

- 1.1 Certificates: CB, SEMKO, UKRTEST, RCC, PCT;
- 1.2 Electric ratings: up to 100A, 230/400V/1P; 400V/2, 3, 4P, AC50Hz;
- 1.3 Frame level rated current I_{nm} : 100 A;
- 1.4 Rated insulation voltage U_i : 500 V;
- 1.5 Rated impulse withstand voltage U_{imp} : 6000 V;
- 1.6 Mounting mode: Plug-in mounting to standard rail
- 1.7 Life (operations):
 - a. Electric life: 1500
 - b. Mechanical life: 8500
- 1.8 Standard: IEC 60947-2





2. Type Designation





3. Technical Data



3.1 Technical parameters DZ158-100, 1P

		In (A)	I _{cn} (kA)	CTN	Order Code
		63	6	108	134001
		80	6	108	134002
		100	6	108	134003


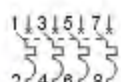
DZ158-100, 2P

		In (A)	I _{cn} (kA)	CTN	Order Code
		63	6	54	134004
		80	6	54	134005
		100	6	54	134006

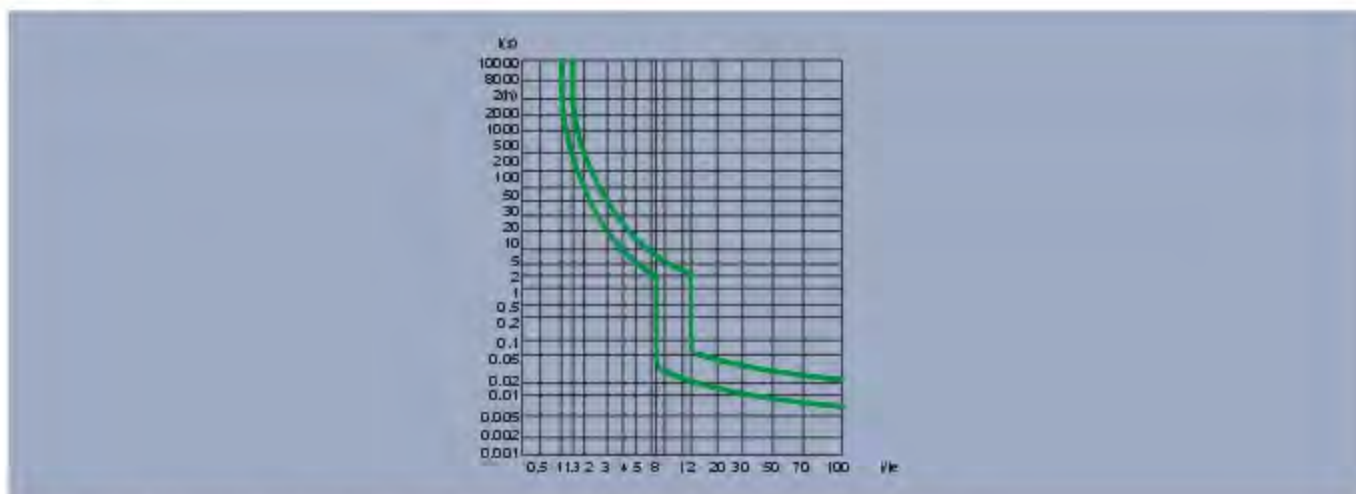
DZ158-100, 3P

		In (A)	I _{cn} (kA)	CTN	Order Code
		63	6	36	134007
		80	6	36	134008
		100	6	36	134009

DZ158-100, 4P

		In (A)	I _{cn} (kA)	CTN	Order Code
		63	6	27	134010
		80	6	27	134011
		100	6	27	134012

Curves



3.2 Power frequency voltage withstands: 2500V AC50Hz test: 1min, without flashover

4. Wiring

The suitable conductors should be used for connection, see table below for relative parameters.

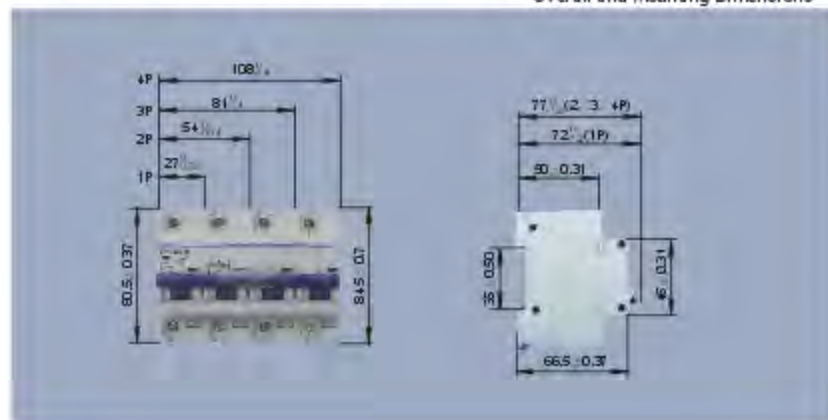
Rated current In (A)	Cross section area S (mm ²)	Tightening torque (N · m)
63	16	3.5
80	25	3.5
100	35	3.5

5. Features

The breaker is characterized by compact design, light weight, elegant appearance, high breaking capacity, swift tripping and long service life.

6. Overall and Mounting Dimensions

Overall and Mounting Dimensions



Dimension of standard rail





DZ158LE-100 Residual Current Operated Circuit Breaker

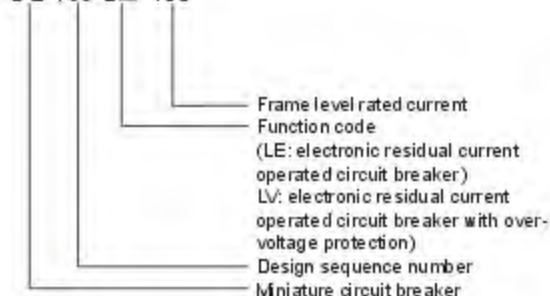
1. General

- 1.1 Certificates: CE;
- 1.2 Electric ratings: 63~100A, 230V/1P+N, 2P, 400V/3P, 3P+N, 4P, AC 50/60Hz;
- 1.3 Frame level rated current I_{nm} : 100A
- 1.4 Rated insulation voltage U_i : 500V
- 1.5 Rated impulse withstand voltage U_{imp} : 6000V
- 1.6 Rated residual current operated making & breaking capacity $I_{\Delta m}$: 2000A
- 1.7 Rated residual current non-operated making & breaking capacity $I_{\Delta no}$: 0.5I_{Δn}
- 1.8 Life (operations):
 - a. Electric life: 1500, COS Φ=0.85~0.9
 - b. Mechanical life: 8500
- 1.9 Standard: IEC 60947-2



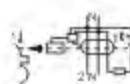
2. Type Designation

DZ 158 LE-100



3. Technical Data

- 3.1 Technical parameters
- DZ158LE-100, 1P+N



I_n (A)	I_{cn} (kA)	$I_{\Delta n}$ (mA)	CTN	Order Code
63	6	30	54	145401
63	6	100	54	145402
63	6	300	54	145403
80	6	30	54	145404
80	6	100	54	145405
80	6	300	54	145406
100	6	30	54	145407
100	6	100	54	145408
100	6	300	54	145409

DZ158LE-100, 2P



In (A)	Icn (kA)	IΔn (mA)	CTN	Order Code
63	6	30	36	145410
63	6	100	36	145411
63	6	300	36	145412
80	6	30	36	145413
80	6	100	36	145414
80	6	300	36	145415
100	6	30	36	145416
100	6	100	36	145417
100	6	300	36	145418

DZ158LE-100, 3P



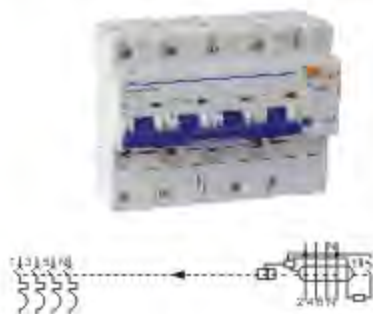
In (A)	Icn (kA)	IΔn (mA)	CTN	Order Code
63	6	30	27	145419
63	6	100	27	145420
63	6	300	27	145421
80	6	30	27	145422
80	6	100	27	145423
80	6	300	27	145424
100	6	30	27	145425
100	6	100	27	145426
100	6	300	27	145427

DZ158LE-100, 3P+N



In (A)	Icn (kA)	IΔn (mA)	CTN	Order Code
63	6	30	27	145428
63	6	100	27	145429
63	6	300	27	145430
80	6	30	27	145431
80	6	100	27	145432
80	6	300	27	145433
100	6	30	27	145434
100	6	100	27	145435
100	6	300	27	145436

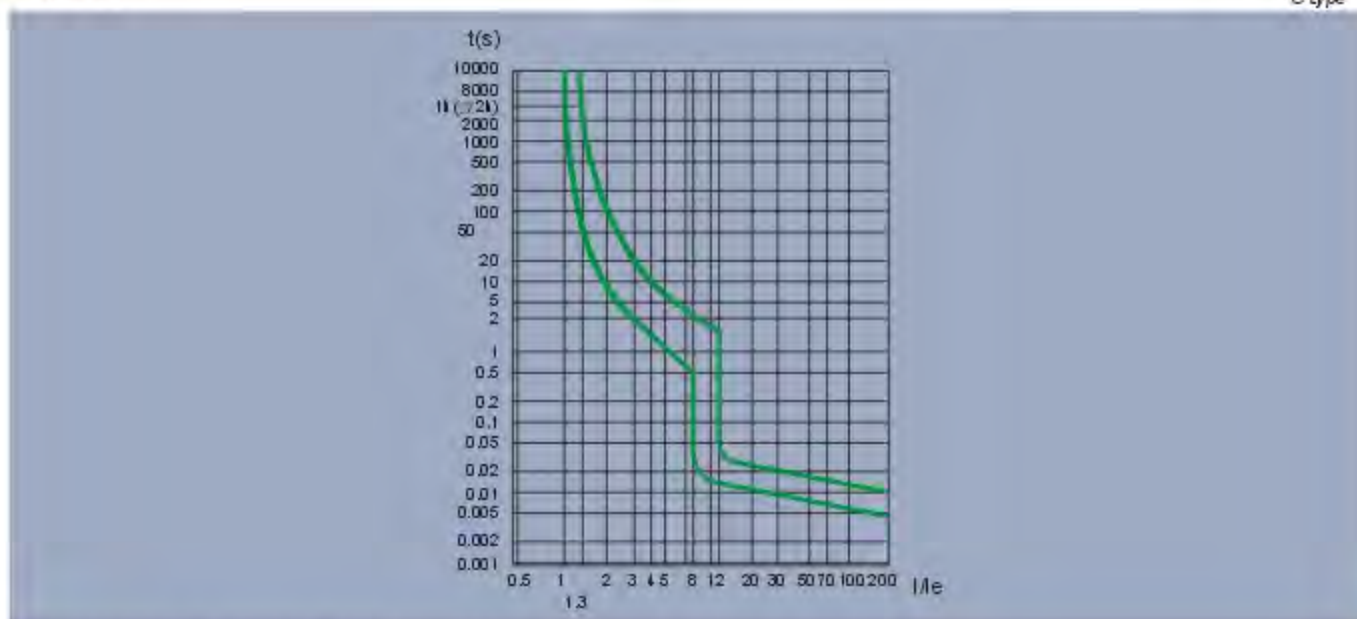
DZ158LE-100, 4P



I_n (A)	I_{cn} (kA)	$I_{\Delta n}$ (mA)	CTN	Order Code
63	6	0.03	18	145437
63	6	0.1	18	145438
63	6	0.3	18	145439
80	6	0.03	18	145440
80	6	0.1	18	145441
80	6	0.3	18	145442
100	6	0.03	18	145443
100	6	0.1	18	145444
100	6	0.3	18	145445

Curves

C type



3.2 Delay type ultimate non-operation time s: 0.06, 0.1

3.3 Over-voltage protection grade: 280V±5%

3.4 Breaking time of residual current

Category			$I_{\Delta n}$ (mA)	Max. Breaking time and Min. non-driving time(s)				
				$I_{\Delta n}$	$2I_{\Delta n}$	$5I_{\Delta n}$	$10I_{\Delta n}$	
Common type			≥ 30	0.1	0.06	0.04	0.04	Max. Breaking time
Time delay type	Limit non-driving time	0.06s	> 30	0.4	0.2	0.15	0.15	
		0.1s		0.13	0.06	0.05	0.04	Max. Breaking time
	0.6			0.4	0.3	0.2	Mini non-driving time	
	0.23	0.1		0.06	0.05			

For common type residual current operated circuit breaker with $I_{\Delta n} \leq 0.03A$, $5I_{\Delta n}$ could be replaced with 0.25A, $10I_{\Delta n}$ be replaced by 0.5A.

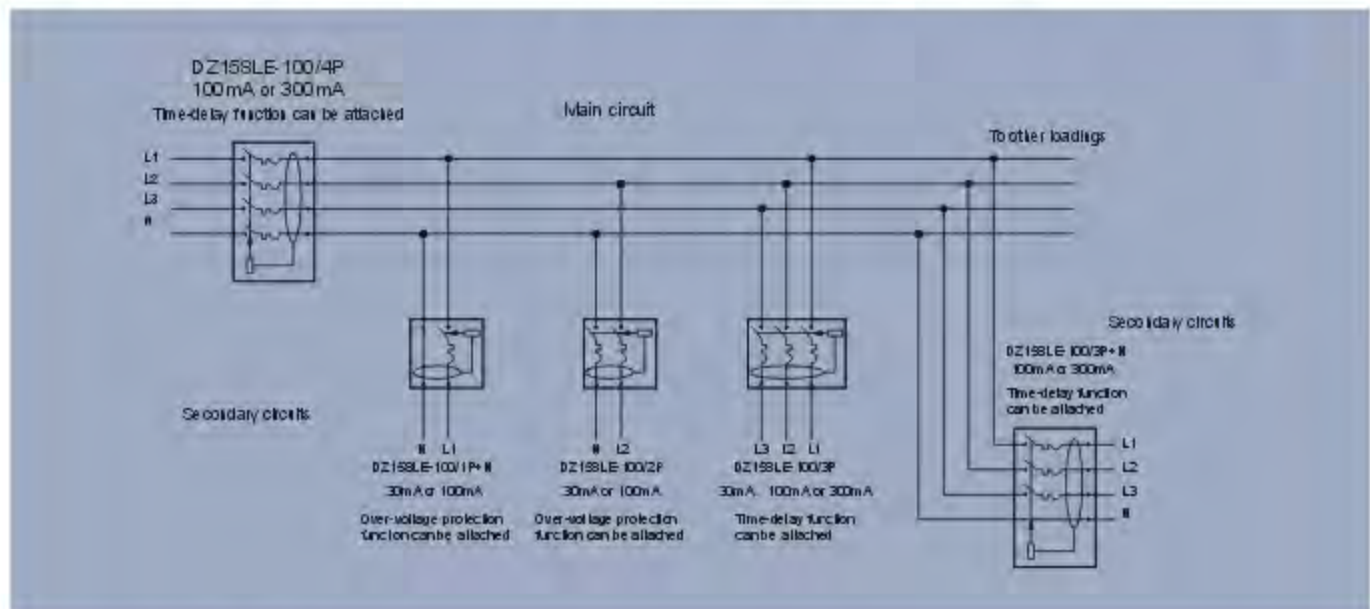
4. Wiring

The suitable conductors should be used for connection, see table below for relative parameters.

Rated current I_n (A)	Cross section area S (mm ²)	Tightening torque (N · m)
63	16	3.5
80	25	3.5
100	35	3.5

5. Application example

When using this residual current operated circuit breaker in power network, please see following figure. This residual current operated circuit breaker can be used with other types of electrics to enlarge the application range.



6. Overall and Mounting Dimensions

Overall and Mounting Dimensions

Dimension of standard rail



Number of poles	1P+N	2P	3P	3P+N	4P
L (mm)	54 ⁰ _{-0.74}	81 ⁰ _{-0.87}	108 ⁰ _{-1.40}	108 ⁰ _{-1.40}	135 ⁰ _{-1.60}
H (mm)	72 ⁰ _{-1.20}	77 ⁰ _{-1.20}	77 ⁰ _{-1.20}	77 ⁰ _{-1.20}	77 ⁰ _{-1.20}

D Z267-32 Miniature Circuit Breaker

1. General

- 1.1 Certificates: CE, PCT;
- 1.2 Electric ratings: up to 32A, 230V, AC50/60Hz;
- 1.3 Tripping characteristics: C;
- 1.4 Rated insulation voltage U_i : 250 V;
- 1.5 Rated impulse withstand voltage U_{imp} : 4000 V;
- 1.6 Life (operations): >4000;
- 1.7 Standard: IEC60898

2. Type Designation

DZ 267-32



3. Technical Data

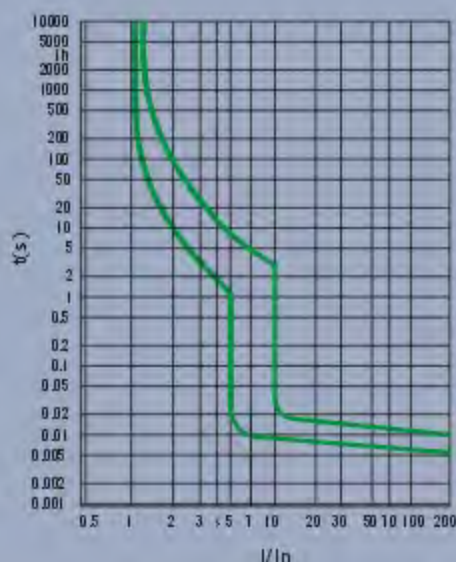
3.1 Technical parameters
DZ267-32, Curve C, 1P+N



I_n (A)	I_{cs} (kA)	CTN	Order Code
6	4.5	120	134100
10	4.5	120	134101
16	4.5	120	134102
20	4.5	120	134103
25	4.5	120	134104
32	4.5	120	134105

Curves

Ctype



3.2 Please refer to table below for temperature compensation correction.

In(A)	Temperature compensation coefficient under various operational temperature				
	20 ℃	30 ℃	40 ℃	50 ℃	60 ℃
6	6.4	6	5.6	5.1	4.6
10	10.5	10	9.4	8.8	8.1
16	17.5	16	14.4	14	13.3
20	21	20	18.8	17.6	16.2
25	26	25	23.4	21.9	19.9
32	34	32	29.9	27.4	24.8

4. Wiring

The suitable conductors should be used for connection, see table below for relative parameters.

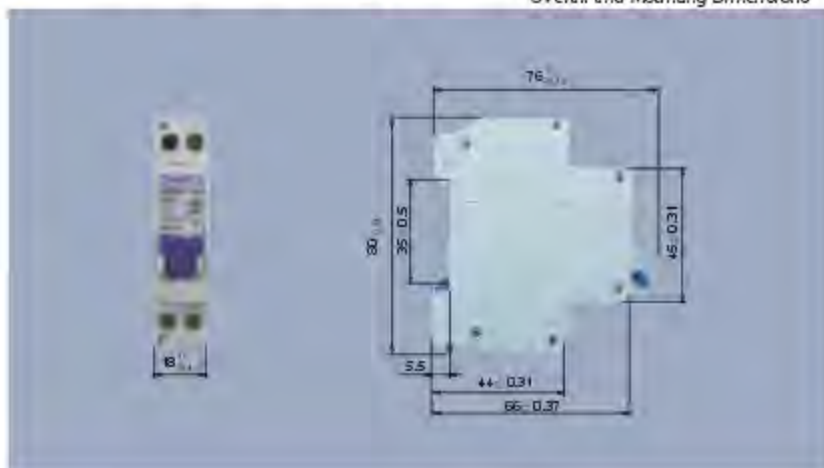
Rated current In A	Cross section area S (mm ²)	Tightening torque (N · m)
≤6	1	1.2
10	1.5	1.2
16, 20	2.5	1.2
25	4	1.2
32	6	1.2

5. Features

- 5.1 Compact design and cost-effective;
- 5.2 Enclosure and functional parts made of imported plastics with flame-retardant, heat-resistant, and impulse-proof properties;
- 5.3 Potential electric shock is avoided thanks to zero-line being directly connected to the product;
- 5.4 Convenient and time-saving mounting.

6. Overall and Mounting Dimensions

Overall and Mounting Dimensions



Dimension of standard rail





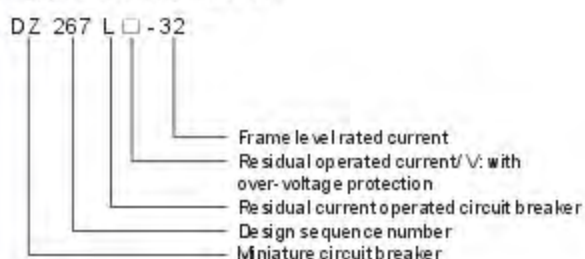
DZ267L-32 Residual Current Operated Circuit Breaker

1. General

- 1.1 Certificates: CE, UKREST, ESC;
- 1.2 Electric ratings: up to 32A, 230V, AC50/60Hz;
- 1.3 Tripping characteristics: C;
- 1.4 Frame size rated current I_{nm} : 32 A;
- 1.5 Rated residual current operated making & breaking capacity $I_{\Delta m}$: 500 A;
- 1.6 Rated residual non-operated current $I_{\Delta n}$: 0.015 A;
- 1.7 Rated insulation voltage U_i : 250 V;
- 1.8 Rated impulse withstand voltage U_{imp} : 4000 V;
- 1.9 Life (operations):
 - a. Electric life: 2000, $\cos \phi = 0.8$
 - b. Operating frequency: 4000
- 1.10 Standard: IEC61009-1

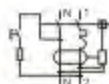


2. Type Designation



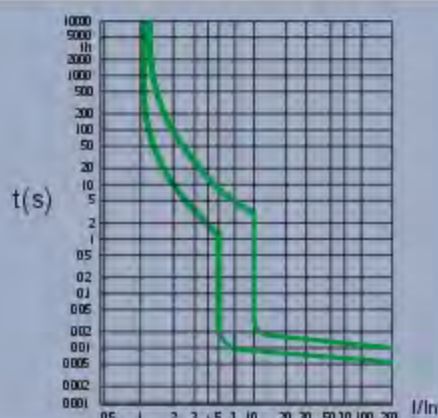
3. Technical Data

- 3.1 Technical parameters
- DZ267L-32, Curve C, 1P+N



I_n (A)	I_{cs} (kA)	$I_{\Delta n}$ (mA)	CTN	Order Code
6	4.5	30	60	145301
10	4.5	30	60	145302
16	4.5	30	60	145303
20	4.5	30	60	145304
25	4.5	30	60	145305
32	4.5	30	60	145306

C type



3.2 Over-voltage protection grade: 280V±5%

3.3 Breaking time of residual current

I _n (A)	I _{Δn} (A)	Breaking time of residual current (I _{Δn} is ratings following)			
		I _n	2I _n	5I _n	500A
6~32	0.03	0.1s	0.08s	0.04s	0.04s

3.4 Please refer to table below for temperature compensation correction

I _n (A)	Temperature compensation coefficient under various temperature				
	20℃	30℃	40℃	50℃	60℃
6	6.4	6	5.6	5.1	4.6
10	10.5	10	9.4	8.8	8.1
16	17.5	16	14.4	14	13.3
20	21	20	18.8	17.6	16.2
25	26	25	23.4	21.9	19.9
32	34	32	29.9	27.4	24.8

4. Wiring

The suitable conductors should be used for connection, see table below for relative parameters.

Rated current I _n A	Cross section area S (mm ²)	Tightening torque (N·m)
≤6	1	1.2
10	1.5	1.2
16, 20	2.5	1.2
25	4	1.2
32	6	1.2

5. Features

5.1 Compact design and cost-effective;

5.2 Enclosure and functional parts made of imported plastics with flame-retardant, heat-resistant, and impulse-proof properties.

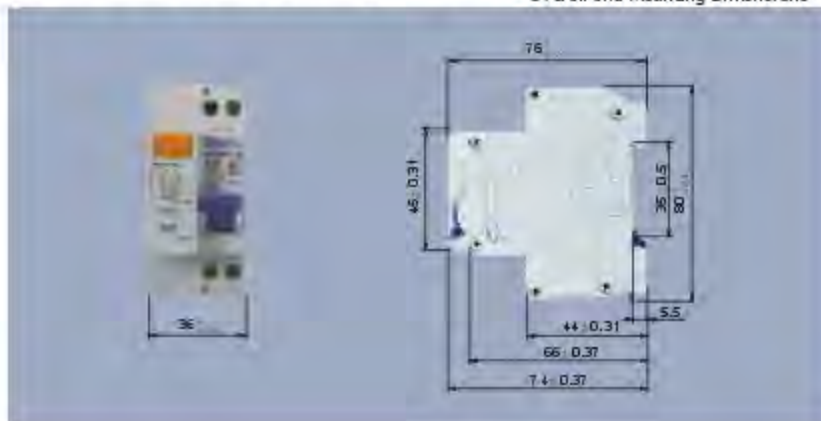
5.3 Potential electric shock is avoided thanks to neutral zero-line being directly appended to the product.

5.4 With high endurance capability to prevent occurrence of unwanted operation ;

5.5 Convenient and time-saving mounting.

6. Overall and Mounting Dimensions

Overall and Mounting Dimensions



Dimension of standard rail

