

| | | | | |
|----|--------|---------|---------|--------|
| | | | | |
| EU | Sweden | Finland | Ukraine | Russia |
| | | | | |

NB1L Residual Current Operated Circuit Breaker with over-current protection(Magnetic)

1. General

1.1 Application

- Personnel and fire protection
- Cable and line protection against overload and short-circuits

1.2 General rules for choosing RCBO:

a. Rated residual operating current

$I_{\Delta n} \leq 30 \text{ mA}$: additional protection in the case of direct contact

$I_{\Delta n} \leq 300 \text{ mA}$: preventative fire protection in the case of ground fault currents

b. Tripping class

AC class – Tripping is ensured for sinusoidal, alternating currents, whether they be quickly applied or slowly increase.

A class – Tripping is ensured for sinusoidal, alternating residual currents as well as for pulsed DC residual currents, whether they be quickly applied or slowly increase.

c. Tripping curve

B curve (3-5 I_n) protection and control of the circuits against overloads and short-circuits; protection for people and big length cables in TN and IT systems.

C curve (5-10 I_n) protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.



2. Ordering Information

2.1 Combined



➔ 1~40A, A Type, $I_{cn}=6000A$, 36mm



| I_n (A) | $I_{\Delta n}$ (mA) | Order Code | |
|--------------|------------------------|------------|---------|
| | | Curve B | Curve C |
| | | RoHS | RoHS |
| 1 | 30 | 982383 | 982407 |
| 2 | 30 | 982384 | 982408 |
| 3 | 30 | 982385 | 982409 |
| 4 | 30 | 982386 | 982410 |
| 6 | 30 | 982387 | 982411 |
| 10 | 30 | 982388 | 982412 |
| 13 | 30 | 982389 | 982413 |
| 16 | 30 | 982390 | 982414 |
| 20 | 30 | 982391 | 982415 |
| 25 | 30 | 982392 | 982416 |
| 32 | 30 | 982393 | 982417 |
| 40 | 30 | 982394 | 982418 |



→ 1~40A, A Type, I_{cn}=10000A, 54mm



| In (A) | I _{Δn} (mA) | Order Code | |
|--------|----------------------|------------|---------|
| | | Curve B | Curve C |
| | | RoHS | RoHS |
| 1 | 30 | 982443 | 982467 |
| 2 | 30 | 982444 | 982468 |
| 3 | 30 | 982445 | 982469 |
| 4 | 30 | 982446 | 982470 |
| 6 | 30 | 982447 | 982471 |
| 10 | 30 | 982448 | 982472 |
| 13 | 30 | 982449 | 982473 |
| 16 | 30 | 982450 | 982474 |
| 20 | 30 | 982451 | 982475 |
| 25 | 30 | 982452 | 982476 |
| 32 | 30 | 982453 | 982477 |
| 40 | 30 | 982454 | 982478 |

2.2 MCB+add-on RCD black

→ 1~40A, AC type, I_{cn}=6000A

★ 1P+N



| In (A) | I _{Δn} (mA) | CTN | Order Code | | | |
|--------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 30 | 60 | 142001 | 983290 | 142166 | 971948 |
| 1 | 100 | 60 | 142002 | 983291 | 142167 | 971949 |
| 1 | 300 | 60 | 142003 | 983292 | 142168 | 971950 |
| 2 | 30 | 60 | 142004 | 983293 | 142169 | 971951 |
| 2 | 100 | 60 | 142005 | 983294 | 142170 | 971952 |
| 2 | 300 | 60 | 142006 | 983295 | 142171 | 971953 |
| 3 | 30 | 60 | 142007 | 983296 | 142172 | 971954 |
| 3 | 100 | 60 | 142008 | 983297 | 142173 | 971955 |
| 3 | 300 | 60 | 142009 | 983298 | 142174 | 971956 |
| 4 | 30 | 60 | 142010 | 983299 | 142175 | 971957 |
| 4 | 100 | 60 | 142011 | 983300 | 142176 | 971958 |
| 4 | 300 | 60 | 142012 | 983301 | 142177 | 971959 |
| 6 | 30 | 60 | 142013 | 983302 | 142178 | 971960 |
| 6 | 100 | 60 | 142014 | 983303 | 142179 | 971961 |
| 6 | 300 | 60 | 142015 | 983304 | 142180 | 971962 |



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 10 | 30 | 60 | 142016 | 983305 | 142181 | 971963 |
| 10 | 100 | 60 | 142017 | 983306 | 142182 | 971964 |
| 10 | 300 | 60 | 142018 | 983307 | 142183 | 971965 |
| 16 | 30 | 60 | 142019 | 983308 | 142184 | 971966 |
| 16 | 100 | 60 | 142020 | 983309 | 142185 | 971967 |
| 16 | 300 | 60 | 142021 | 983310 | 142186 | 971968 |
| 20 | 30 | 60 | 142022 | 983311 | 142187 | 971969 |
| 20 | 100 | 60 | 142023 | 983312 | 142188 | 971970 |
| 20 | 300 | 60 | 142024 | 983313 | 142189 | 971971 |
| 25 | 30 | 60 | 142025 | 983314 | 142190 | 971972 |
| 25 | 100 | 60 | 142026 | 983315 | 142191 | 971973 |
| 25 | 300 | 60 | 142027 | 983316 | 142192 | 971974 |
| 32 | 30 | 60 | 142028 | 983317 | 142193 | 971975 |
| 32 | 100 | 60 | 142029 | 983318 | 142194 | 971976 |
| 32 | 300 | 60 | 142030 | 983319 | 142195 | 971977 |
| 40 | 30 | 60 | 142031 | 983320 | 142196 | 971978 |
| 40 | 100 | 60 | 142032 | 983321 | 142197 | 971979 |
| 40 | 300 | 60 | 142033 | 983322 | 142198 | 971980 |

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| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 30 | 48 | 142034 | 983323 | 142199 | 971981 |
| 1 | 100 | 48 | 142035 | 983324 | 142200 | 971982 |
| 1 | 300 | 48 | 142036 | 983325 | 142201 | 971983 |
| 2 | 30 | 48 | 142037 | 983326 | 142202 | 971984 |
| 2 | 100 | 48 | 142038 | 983327 | 142203 | 971985 |
| 2 | 300 | 48 | 142039 | 983328 | 142204 | 971986 |
| 3 | 30 | 48 | 142040 | 983329 | 142205 | 971987 |
| 3 | 100 | 48 | 142041 | 983330 | 142206 | 971988 |
| 3 | 300 | 48 | 142042 | 983331 | 142207 | 971989 |
| 4 | 30 | 48 | 142043 | 983332 | 142208 | 971990 |
| 4 | 100 | 48 | 142044 | 983333 | 142209 | 971991 |
| 4 | 300 | 48 | 142045 | 983334 | 142210 | 971992 |
| 6 | 30 | 48 | 142046 | 983335 | 142211 | 971993 |
| 6 | 100 | 48 | 142047 | 983336 | 142212 | 971994 |
| 6 | 300 | 48 | 142048 | 983337 | 142213 | 971995 |
| 10 | 30 | 48 | 142049 | 983338 | 142214 | 971996 |
| 10 | 100 | 48 | 142050 | 983339 | 142215 | 971997 |
| 10 | 300 | 48 | 142051 | 983340 | 142216 | 971998 |



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 16 | 30 | 48 | 142052 | 983341 | 142217 | 971999 |
| 16 | 100 | 48 | 142053 | 983342 | 142218 | 972000 |
| 16 | 300 | 48 | 142054 | 983343 | 142219 | 972001 |
| 20 | 30 | 48 | 142055 | 983344 | 142220 | 972002 |
| 20 | 100 | 48 | 142056 | 983345 | 142221 | 972003 |
| 20 | 300 | 48 | 142057 | 983346 | 142222 | 972004 |
| 25 | 30 | 48 | 142058 | 983347 | 142223 | 972005 |
| 25 | 100 | 48 | 142059 | 983348 | 142224 | 972006 |
| 25 | 300 | 48 | 142060 | 983349 | 142225 | 972007 |
| 32 | 30 | 48 | 142061 | 983350 | 142226 | 972008 |
| 32 | 100 | 48 | 142062 | 983351 | 142227 | 972009 |
| 32 | 300 | 48 | 142063 | 983352 | 142228 | 972010 |
| 40 | 30 | 48 | 142064 | 983353 | 142229 | 972011 |
| 40 | 100 | 48 | 142065 | 983354 | 142230 | 972012 |
| 40 | 300 | 48 | 142066 | 983355 | 142231 | 972013 |

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| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 30 | 24 | 142067 | 983356 | 142232 | 972014 |
| 1 | 100 | 24 | 142068 | 983357 | 142233 | 972015 |
| 1 | 300 | 24 | 142069 | 983358 | 142234 | 972016 |
| 2 | 30 | 24 | 142070 | 983359 | 142235 | 972017 |
| 2 | 100 | 24 | 142071 | 983360 | 142236 | 972018 |
| 2 | 300 | 24 | 142072 | 983361 | 142237 | 972019 |
| 3 | 30 | 24 | 142073 | 983362 | 142238 | 972020 |
| 3 | 100 | 24 | 142074 | 983363 | 142239 | 972021 |
| 3 | 300 | 24 | 142075 | 983364 | 142240 | 972022 |
| 4 | 30 | 24 | 142076 | 983365 | 142241 | 972023 |
| 4 | 100 | 24 | 142077 | 983366 | 142242 | 972024 |
| 4 | 300 | 24 | 142078 | 983367 | 142243 | 972025 |
| 6 | 30 | 24 | 142079 | 983368 | 142244 | 972026 |
| 6 | 100 | 24 | 142080 | 983369 | 142245 | 972027 |
| 6 | 300 | 24 | 142081 | 983370 | 142246 | 972028 |
| 10 | 30 | 24 | 142082 | 983371 | 142247 | 972029 |
| 10 | 100 | 24 | 142083 | 983372 | 142248 | 972030 |
| 10 | 300 | 24 | 142084 | 983373 | 142249 | 972031 |
| 16 | 30 | 24 | 142085 | 983374 | 142250 | 972032 |
| 16 | 100 | 24 | 142086 | 983375 | 142251 | 972033 |



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 16 | 300 | 24 | 142087 | 983376 | 142252 | 972034 |
| 20 | 30 | 24 | 142088 | 983377 | 142253 | 972035 |
| 20 | 100 | 24 | 142089 | 983378 | 142254 | 972036 |
| 20 | 300 | 24 | 142090 | 983379 | 142255 | 972037 |
| 25 | 30 | 24 | 142091 | 983380 | 142256 | 972038 |
| 25 | 100 | 24 | 142092 | 983381 | 142257 | 972039 |
| 25 | 300 | 24 | 142093 | 983382 | 142258 | 972040 |
| 32 | 30 | 24 | 142094 | 983383 | 142259 | 972041 |
| 32 | 100 | 24 | 142095 | 983384 | 142260 | 972042 |
| 32 | 300 | 24 | 142096 | 983385 | 142261 | 972043 |
| 40 | 30 | 24 | 142097 | 983386 | 142262 | 972044 |
| 40 | 100 | 24 | 142098 | 983387 | 142263 | 972045 |
| 40 | 300 | 24 | 142099 | 983388 | 142264 | 972046 |

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| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 30 | 24 | 142100 | 983389 | 142265 | 972047 |
| 1 | 100 | 24 | 142101 | 983390 | 142266 | 972048 |
| 1 | 300 | 24 | 142102 | 983391 | 142267 | 972049 |
| 2 | 30 | 24 | 142103 | 983392 | 142268 | 972050 |
| 2 | 100 | 24 | 142104 | 983393 | 142269 | 972051 |
| 2 | 300 | 24 | 142105 | 983394 | 142270 | 972052 |
| 3 | 30 | 24 | 142106 | 983395 | 142271 | 972053 |
| 3 | 100 | 24 | 142107 | 983396 | 142272 | 972054 |
| 3 | 300 | 24 | 142108 | 983397 | 142273 | 972055 |
| 4 | 30 | 24 | 142109 | 983398 | 142274 | 972056 |
| 4 | 100 | 24 | 142110 | 983399 | 142275 | 972057 |
| 4 | 300 | 24 | 142111 | 983400 | 142276 | 972058 |
| 6 | 30 | 24 | 142112 | 983401 | 142277 | 972059 |
| 6 | 100 | 24 | 142113 | 983402 | 142278 | 972060 |
| 6 | 300 | 24 | 142114 | 983403 | 142279 | 972061 |
| 10 | 30 | 24 | 142115 | 983404 | 142280 | 972062 |
| 10 | 100 | 24 | 142116 | 983405 | 142281 | 972063 |
| 10 | 300 | 24 | 142117 | 983406 | 142282 | 972064 |
| 16 | 30 | 24 | 142118 | 983407 | 142283 | 972065 |
| 16 | 100 | 24 | 142119 | 983408 | 142284 | 972066 |
| 16 | 300 | 24 | 142120 | 983409 | 142285 | 972067 |



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 20 | 30 | 24 | 142121 | 983410 | 142286 | 972068 |
| 20 | 100 | 24 | 142122 | 983411 | 142287 | 972069 |
| 20 | 300 | 24 | 142123 | 983412 | 142288 | 972070 |
| 25 | 30 | 24 | 142124 | 983413 | 142289 | 972071 |
| 25 | 100 | 24 | 142125 | 983414 | 142290 | 972072 |
| 25 | 300 | 24 | 142126 | 983415 | 142291 | 972073 |
| 32 | 30 | 24 | 142127 | 983416 | 142292 | 972074 |
| 32 | 100 | 24 | 142128 | 983417 | 142293 | 972075 |
| 32 | 300 | 24 | 142129 | 983418 | 142294 | 972076 |
| 40 | 30 | 24 | 142130 | 983419 | 142295 | 972077 |
| 40 | 100 | 24 | 142131 | 983420 | 142296 | 972078 |
| 40 | 300 | 24 | 142132 | 983421 | 142297 | 972079 |

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| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 30 | 24 | 142133 | 983422 | 142298 | 972080 |
| 1 | 100 | 24 | 142134 | 983423 | 142299 | 972081 |
| 1 | 300 | 24 | 142135 | 983424 | 142300 | 972082 |
| 2 | 30 | 24 | 142136 | 983425 | 142301 | 972083 |
| 2 | 100 | 24 | 142137 | 983426 | 142302 | 972084 |
| 2 | 300 | 24 | 142138 | 983427 | 142303 | 972085 |
| 3 | 30 | 24 | 142139 | 983428 | 142304 | 972086 |
| 3 | 100 | 24 | 142140 | 983429 | 142305 | 972087 |
| 3 | 300 | 24 | 142141 | 983430 | 142306 | 972088 |
| 4 | 30 | 24 | 142142 | 983431 | 142307 | 972089 |
| 4 | 100 | 24 | 142143 | 983432 | 142308 | 972090 |
| 4 | 300 | 24 | 142144 | 983433 | 142309 | 972091 |
| 6 | 30 | 24 | 142145 | 983434 | 142310 | 972092 |
| 6 | 100 | 24 | 142146 | 983435 | 142311 | 972093 |
| 6 | 300 | 24 | 142147 | 983436 | 142312 | 972094 |
| 10 | 30 | 24 | 142148 | 983437 | 142313 | 972095 |
| 10 | 100 | 24 | 142149 | 983438 | 142314 | 972096 |
| 10 | 300 | 24 | 142150 | 983439 | 142315 | 972097 |
| 16 | 30 | 24 | 142151 | 983440 | 142316 | 972098 |
| 16 | 100 | 24 | 142152 | 983441 | 142317 | 972099 |
| 16 | 300 | 24 | 142153 | 983442 | 142318 | 972100 |
| 20 | 30 | 24 | 142154 | 983443 | 142319 | 972101 |
| 20 | 100 | 24 | 142155 | 983444 | 142320 | 972102 |
| 20 | 300 | 24 | 142156 | 983445 | 142321 | 972103 |



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 20 | 30 | 24 | 142121 | 983410 | 142286 | 972068 |
| 20 | 100 | 24 | 142122 | 983411 | 142287 | 972069 |
| 20 | 300 | 24 | 142123 | 983412 | 142288 | 972070 |
| 25 | 30 | 24 | 142124 | 983413 | 142289 | 972071 |
| 25 | 100 | 24 | 142125 | 983414 | 142290 | 972072 |
| 25 | 300 | 24 | 142126 | 983415 | 142291 | 972073 |
| 32 | 30 | 24 | 142127 | 983416 | 142292 | 972074 |
| 32 | 100 | 24 | 142128 | 983417 | 142293 | 972075 |
| 32 | 300 | 24 | 142129 | 983418 | 142294 | 972076 |
| 40 | 30 | 24 | 142130 | 983419 | 142295 | 972077 |
| 40 | 100 | 24 | 142131 | 983420 | 142296 | 972078 |
| 40 | 300 | 24 | 142132 | 983421 | 142297 | 972079 |

→ 1~40A, A type, I_{cn}=6000A

★ 1P+N



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 300 | 60 | 146001 | 983455 | 146166 | 983620 |
| 1 | 100 | 60 | 146002 | 983456 | 146167 | 983621 |
| 1 | 300 | 60 | 146003 | 983457 | 146168 | 983622 |
| 2 | 30 | 60 | 146004 | 983458 | 146169 | 983623 |
| 2 | 100 | 60 | 146005 | 983459 | 146170 | 983624 |
| 2 | 300 | 60 | 146006 | 983460 | 146171 | 983625 |
| 3 | 30 | 60 | 146007 | 983461 | 146172 | 983626 |
| 3 | 100 | 60 | 146008 | 983462 | 146173 | 983627 |
| 3 | 300 | 60 | 146009 | 983463 | 146174 | 983628 |
| 4 | 30 | 60 | 146010 | 983464 | 146175 | 983629 |
| 4 | 100 | 60 | 146011 | 983465 | 146176 | 983630 |
| 4 | 300 | 60 | 146012 | 983466 | 146177 | 983631 |
| 6 | 30 | 60 | 146013 | 983467 | 146178 | 983632 |
| 6 | 100 | 60 | 146014 | 983468 | 146179 | 983633 |
| 6 | 300 | 60 | 146015 | 983469 | 146180 | 983634 |
| 10 | 30 | 60 | 146016 | 983470 | 146181 | 983635 |
| 10 | 100 | 60 | 146017 | 983471 | 146182 | 983636 |
| 10 | 300 | 60 | 146018 | 983472 | 146183 | 983637 |
| 16 | 30 | 60 | 146019 | 983473 | 146184 | 983638 |
| 16 | 100 | 60 | 146020 | 983474 | 146185 | 983639 |
| 16 | 300 | 60 | 146021 | 983475 | 146186 | 983640 |
| 20 | 30 | 60 | 146022 | 983476 | 146187 | 983641 |



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 20 | 100 | 60 | 146023 | 983477 | 146188 | 983642 |
| 20 | 300 | 60 | 146024 | 983478 | 146189 | 983643 |
| 25 | 30 | 60 | 146025 | 983479 | 146190 | 983644 |
| 25 | 100 | 60 | 146026 | 983480 | 146191 | 983645 |
| 25 | 300 | 60 | 146027 | 983481 | 146192 | 983646 |
| 32 | 30 | 60 | 146028 | 983482 | 146193 | 983647 |
| 32 | 100 | 60 | 146029 | 983483 | 146194 | 983648 |
| 32 | 300 | 60 | 146030 | 983484 | 146195 | 983649 |
| 40 | 30 | 60 | 146031 | 983485 | 146196 | 983650 |
| 40 | 100 | 60 | 146032 | 983486 | 146197 | 983651 |
| 40 | 300 | 60 | 146033 | 983487 | 146198 | 983652 |
| 1 | 30 | - | - | 982383 | - | 982407 |
| 2 | 30 | - | - | 982384 | - | 982408 |
| 3 | 30 | - | - | 982385 | - | 982409 |
| 4 | 30 | - | - | 982386 | - | 982410 |
| 6 | 30 | - | - | 982387 | - | 982411 |
| 10 | 30 | - | - | 982388 | - | 982412 |
| 13 | 30 | - | - | 982389 | - | 982413 |
| 16 | 30 | - | - | 982390 | - | 982414 |
| 20 | 30 | - | - | 982391 | - | 982415 |
| 25 | 30 | - | - | 982392 | - | 982416 |
| 32 | 30 | - | - | 982393 | - | 982417 |
| 40 | 30 | - | - | 982394 | - | 982418 |

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| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 300 | 48 | 146034 | 983488 | 146199 | 983653 |
| 1 | 100 | 48 | 146035 | 983489 | 146200 | 983654 |
| 1 | 300 | 48 | 146036 | 983490 | 146201 | 983655 |
| 2 | 30 | 48 | 146037 | 983491 | 146202 | 983656 |
| 2 | 100 | 48 | 146038 | 983492 | 146203 | 983657 |
| 2 | 300 | 48 | 146039 | 983493 | 146204 | 983658 |
| 3 | 30 | 48 | 146040 | 983494 | 146205 | 983659 |
| 3 | 100 | 48 | 146041 | 983495 | 146206 | 983660 |
| 3 | 300 | 48 | 146042 | 983496 | 146207 | 983661 |
| 4 | 30 | 48 | 146043 | 983497 | 146208 | 983662 |
| 4 | 100 | 48 | 146044 | 983498 | 146209 | 983663 |
| 4 | 300 | 48 | 146045 | 983499 | 146210 | 983664 |



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 6 | 300 | 48 | 146046 | 983500 | 146211 | 983665 |
| 6 | 30 | 48 | 146047 | 983501 | 146212 | 983666 |
| 6 | 100 | 48 | 146048 | 983502 | 146213 | 983667 |
| 10 | 300 | 48 | 146049 | 983503 | 146214 | 983668 |
| 10 | 30 | 48 | 146050 | 983504 | 146215 | 983669 |
| 10 | 100 | 48 | 146051 | 983505 | 146216 | 983670 |
| 16 | 300 | 48 | 146052 | 983506 | 146217 | 983671 |
| 16 | 30 | 48 | 146053 | 983507 | 146218 | 983672 |
| 16 | 100 | 48 | 146054 | 983508 | 146219 | 983673 |
| 20 | 300 | 48 | 146055 | 983509 | 146220 | 983674 |
| 20 | 30 | 48 | 146056 | 983510 | 146221 | 983675 |
| 20 | 100 | 48 | 146057 | 983511 | 146222 | 983676 |
| 25 | 300 | 48 | 146058 | 983512 | 146223 | 983677 |
| 25 | 300 | 48 | 146059 | 983513 | 146224 | 983678 |
| 25 | 30 | 48 | 146060 | 983514 | 146225 | 983679 |
| 32 | 100 | 48 | 146061 | 983515 | 146226 | 983680 |
| 32 | 300 | 48 | 146062 | 983516 | 146227 | 983681 |
| 32 | 300 | 48 | 146063 | 983517 | 146228 | 983682 |
| 40 | 30 | 48 | 146064 | 983518 | 146229 | 983683 |
| 40 | 100 | 48 | 146065 | 983519 | 146230 | 983684 |
| 40 | 300 | 48 | 146066 | 983520 | 146231 | 983685 |

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| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 300 | 24 | 146067 | 983521 | 146232 | 983686 |
| 1 | 100 | 24 | 146068 | 983522 | 146233 | 983687 |
| 1 | 300 | 24 | 146069 | 983523 | 146234 | 983688 |
| 2 | 30 | 24 | 146070 | 983524 | 146235 | 983689 |
| 2 | 100 | 24 | 146071 | 983525 | 146236 | 983690 |
| 2 | 300 | 24 | 146072 | 983526 | 146237 | 983691 |
| 3 | 30 | 24 | 146073 | 983527 | 146238 | 983692 |
| 3 | 100 | 24 | 146074 | 983528 | 146239 | 983693 |
| 3 | 300 | 24 | 146075 | 983529 | 146240 | 983694 |
| 4 | 30 | 24 | 146076 | 983530 | 146241 | 983695 |
| 4 | 100 | 24 | 146077 | 983531 | 146242 | 983696 |
| 4 | 300 | 24 | 146078 | 983532 | 146243 | 983697 |
| 6 | 30 | 24 | 146079 | 983533 | 146244 | 983698 |
| 6 | 100 | 24 | 146080 | 983534 | 146245 | 983699 |
| 6 | 300 | 24 | 146081 | 983535 | 146246 | 983700 |



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|--------|-------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 10 | 30 | 24 | 146082 | 983536 | 146247 | 983701 |
| 10 | 100 | 24 | 146083 | 983537 | 146248 | 983702 |
| 10 | 300 | 24 | 146084 | 983538 | 146249 | 983703 |
| 16 | 30 | 24 | 146085 | 983539 | 146250 | 983704 |
| 16 | 100 | 24 | 146086 | 983540 | 146251 | 983705 |
| 16 | 300 | 24 | 146087 | 983541 | 146252 | 983706 |
| 20 | 30 | 24 | 146088 | 983542 | 146253 | 983707 |
| 20 | 100 | 24 | 146089 | 983543 | 146254 | 983708 |
| 20 | 300 | 24 | 146090 | 983544 | 146255 | 983709 |
| 25 | 30 | 24 | 146091 | 983545 | 146256 | 983710 |
| 25 | 100 | 24 | 146092 | 983546 | 146257 | 983711 |
| 25 | 300 | 24 | 146093 | 983547 | 146258 | 983712 |
| 32 | 30 | 24 | 146094 | 983548 | 146259 | 983713 |
| 32 | 100 | 24 | 146095 | 983549 | 146260 | 983714 |
| 32 | 300 | 24 | 146096 | 983550 | 146261 | 983715 |
| 40 | 30 | 24 | 146097 | 983551 | 146262 | 983716 |
| 40 | 100 | 24 | 146098 | 983552 | 146263 | 983717 |
| 40 | 300 | 24 | 146099 | 983553 | 146264 | 983718 |

★ 3P+N



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|--------|-------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 300 | 24 | 146100 | 983554 | 146265 | 983719 |
| 1 | 100 | 24 | 146101 | 983555 | 146266 | 983720 |
| 1 | 300 | 24 | 146102 | 983556 | 146267 | 983721 |
| 2 | 30 | 24 | 146103 | 983557 | 146268 | 983722 |
| 2 | 100 | 24 | 146104 | 983558 | 146269 | 983723 |
| 2 | 300 | 24 | 146105 | 983559 | 146270 | 983724 |
| 3 | 30 | 24 | 146106 | 983560 | 146271 | 983725 |
| 3 | 100 | 24 | 146107 | 983561 | 146272 | 983726 |
| 3 | 300 | 24 | 146108 | 983562 | 146273 | 983727 |
| 4 | 30 | 24 | 146109 | 983563 | 146274 | 983728 |
| 4 | 100 | 24 | 146110 | 983564 | 146275 | 983729 |
| 4 | 300 | 24 | 146111 | 983565 | 146276 | 983730 |
| 6 | 30 | 24 | 146112 | 983566 | 146277 | 983731 |
| 6 | 100 | 24 | 146113 | 983567 | 146278 | 983732 |
| 6 | 300 | 24 | 146114 | 983568 | 146279 | 983733 |
| 10 | 30 | 24 | 146115 | 983569 | 146280 | 983734 |
| 10 | 100 | 24 | 146116 | 983570 | 146281 | 983735 |
| 10 | 300 | 24 | 146117 | 983571 | 146282 | 983736 |



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 16 | 30 | 24 | 146118 | 983572 | 146283 | 983737 |
| 16 | 100 | 24 | 146119 | 983573 | 146284 | 983738 |
| 16 | 300 | 24 | 146120 | 983574 | 146285 | 983739 |
| 20 | 30 | 24 | 146121 | 983575 | 146286 | 983740 |
| 20 | 100 | 24 | 146122 | 983576 | 146287 | 983741 |
| 20 | 300 | 24 | 146123 | 983577 | 146288 | 983742 |
| 25 | 30 | 24 | 146124 | 983578 | 146289 | 983743 |
| 25 | 100 | 24 | 146125 | 983579 | 146290 | 983744 |
| 25 | 300 | 24 | 146126 | 983580 | 146291 | 983745 |
| 32 | 30 | 24 | 146127 | 983581 | 146292 | 983746 |
| 32 | 100 | 24 | 146128 | 983582 | 146293 | 983747 |
| 32 | 300 | 24 | 146129 | 983583 | 146294 | 983748 |
| 40 | 30 | 24 | 146130 | 983584 | 146295 | 983749 |
| 40 | 100 | 24 | 146131 | 983585 | 146296 | 983750 |
| 40 | 300 | 24 | 146132 | 983586 | 146297 | 983751 |

★ 4P



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 300 | 24 | 146133 | 983587 | 146298 | 983752 |
| 1 | 100 | 24 | 146134 | 983588 | 146299 | 983753 |
| 1 | 300 | 24 | 146135 | 983589 | 146300 | 983754 |
| 2 | 30 | 24 | 146136 | 983590 | 146301 | 983755 |
| 2 | 100 | 24 | 146137 | 983591 | 146302 | 983756 |
| 2 | 300 | 24 | 146138 | 983592 | 146303 | 983757 |
| 3 | 30 | 24 | 146139 | 983593 | 146304 | 983758 |
| 3 | 100 | 24 | 146140 | 983594 | 146305 | 983759 |
| 3 | 300 | 24 | 146141 | 983595 | 146306 | 983760 |
| 4 | 30 | 24 | 146142 | 983596 | 146307 | 983761 |
| 4 | 100 | 24 | 146143 | 983597 | 146308 | 983762 |
| 4 | 300 | 24 | 146144 | 983598 | 146309 | 983763 |
| 6 | 30 | 24 | 146145 | 983599 | 146310 | 983764 |
| 6 | 100 | 24 | 146146 | 983600 | 146311 | 983765 |
| 6 | 300 | 24 | 146147 | 983601 | 146312 | 983766 |
| 10 | 30 | 24 | 146148 | 983602 | 146313 | 983767 |
| 10 | 100 | 24 | 146149 | 983603 | 146314 | 983768 |
| 10 | 300 | 24 | 146150 | 983604 | 146315 | 983769 |
| 16 | 30 | 24 | 146151 | 983605 | 146316 | 983770 |
| 16 | 100 | 24 | 146152 | 983606 | 146317 | 983771 |



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|--------|-------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 16 | 300 | 24 | 146153 | 983607 | 146318 | 983772 |
| 20 | 30 | 24 | 146154 | 983608 | 146319 | 983773 |
| 20 | 100 | 24 | 146155 | 983609 | 146320 | 983774 |
| 20 | 300 | 24 | 146156 | 983610 | 146321 | 983775 |
| 25 | 30 | 24 | 146157 | 983611 | 146322 | 983776 |
| 25 | 100 | 24 | 146158 | 983612 | 146323 | 983777 |
| 25 | 300 | 24 | 146159 | 983613 | 146324 | 983778 |
| 32 | 30 | 24 | 146160 | 983614 | 146325 | 983779 |
| 32 | 100 | 24 | 146161 | 983615 | 146326 | 983780 |
| 32 | 300 | 24 | 146162 | 983616 | 146327 | 983781 |
| 40 | 30 | 24 | 146163 | 983617 | 146328 | 983782 |
| 40 | 100 | 24 | 146164 | 983618 | 146329 | 983783 |
| 40 | 300 | 24 | 146165 | 983619 | 146330 | 983784 |



➔ 1~40A, A type, Icn=10000A

★ 1P+N



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|--------|-------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 300 | 60 | 146501 | 982479 | 146681 | 982674 |
| 1 | 100 | 60 | 146502 | 982480 | 146682 | 982675 |
| 1 | 300 | 60 | 146503 | 982481 | 146683 | 982676 |
| 2 | 30 | 60 | 146504 | 982482 | 146684 | 982677 |
| 2 | 100 | 60 | 146505 | 982483 | 146685 | 982678 |
| 2 | 300 | 60 | 146506 | 982484 | 146686 | 982679 |
| 3 | 30 | 60 | 146507 | 982485 | 146687 | 982680 |
| 3 | 100 | 60 | 146508 | 982486 | 146688 | 982681 |
| 3 | 300 | 60 | 146509 | 982487 | 146689 | 982682 |
| 4 | 30 | 60 | 146510 | 982488 | 146690 | 982683 |
| 4 | 100 | 60 | 146511 | 982489 | 146691 | 982684 |
| 4 | 300 | 60 | 146512 | 982490 | 146692 | 982685 |
| 6 | 30 | 60 | 146513 | 982491 | 146693 | 982686 |
| 6 | 100 | 60 | 146514 | 982492 | 146694 | 982687 |
| 6 | 300 | 60 | 146515 | 982493 | 146695 | 982688 |
| 8 | 30 | 60 | 190001 | 982494 | 190016 | 982689 |
| 8 | 100 | 60 | 190002 | 982495 | 190017 | 982690 |
| 8 | 300 | 60 | 190003 | 982496 | 190018 | 982691 |



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 10 | 30 | 60 | 146516 | 982497 | 146696 | 982692 |
| 10 | 100 | 60 | 146517 | 982498 | 146697 | 982693 |
| 10 | 300 | 60 | 146518 | 982499 | 146698 | 982694 |
| 13 | 30 | 60 | 146519 | 982500 | 146699 | 982695 |
| 13 | 100 | 60 | 146520 | 982501 | 146700 | 982696 |
| 13 | 300 | 60 | 146521 | 982502 | 146701 | 982697 |
| 16 | 30 | 60 | 146522 | 982503 | 146702 | 982698 |
| 16 | 100 | 60 | 146523 | 982504 | 146703 | 982699 |
| 16 | 300 | 60 | 146524 | 982505 | 146704 | 982700 |
| 20 | 30 | 60 | 146525 | 982506 | 146705 | 982701 |
| 20 | 100 | 60 | 146526 | 982507 | 146706 | 982702 |
| 20 | 300 | 60 | 146527 | 982508 | 146707 | 982703 |
| 25 | 30 | 60 | 146528 | 982509 | 146708 | 982704 |
| 25 | 100 | 60 | 146529 | 982510 | 146709 | 982705 |
| 25 | 300 | 60 | 146530 | 982511 | 146710 | 982706 |
| 32 | 30 | 60 | 146531 | 982512 | 146711 | 982707 |
| 32 | 100 | 60 | 146532 | 982513 | 146712 | 982708 |
| 32 | 300 | 60 | 146533 | 982514 | 146713 | 982709 |
| 40 | 30 | 60 | 146534 | 982515 | 146714 | 982710 |
| 40 | 100 | 60 | 146535 | 982516 | 146715 | 982711 |
| 40 | 300 | 60 | 146536 | 982517 | 146716 | 982712 |

★ 2P



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 300 | 48 | 146537 | 982518 | 146717 | 982713 |
| 1 | 100 | 48 | 146538 | 982519 | 146718 | 982714 |
| 1 | 300 | 48 | 146539 | 982520 | 146719 | 982715 |
| 2 | 30 | 48 | 146540 | 982521 | 146720 | 982716 |
| 2 | 100 | 48 | 146541 | 982522 | 146721 | 982717 |
| 2 | 300 | 48 | 146542 | 982523 | 146722 | 982718 |
| 3 | 30 | 48 | 146543 | 982524 | 146723 | 982719 |
| 3 | 100 | 48 | 146544 | 982525 | 146724 | 982720 |
| 3 | 300 | 48 | 146545 | 982526 | 146725 | 982721 |
| 4 | 30 | 48 | 146546 | 982527 | 146726 | 982722 |
| 4 | 100 | 48 | 146547 | 982528 | 146727 | 982723 |
| 4 | 300 | 48 | 146548 | 982529 | 146728 | 982724 |
| 6 | 30 | 48 | 146549 | 982530 | 146729 | 982725 |
| 6 | 100 | 48 | 146550 | 982531 | 146730 | 982726 |



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|-----------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 6 | 300 | 48 | 146551 | 982532 | 146731 | 982727 |
| 8 | 30 | 48 | 190004 | 982533 | 190019 | 982728 |
| 8 | 100 | 48 | 190005 | 982534 | 190020 | 982729 |
| 8 | 300 | 48 | 190006 | 982535 | 190021 | 982730 |
| 10 | 30 | 48 | 146552 | 982536 | 146732 | 982731 |
| 10 | 100 | 48 | 146553 | 982537 | 146733 | 982732 |
| 10 | 300 | 48 | 146554 | 982538 | 146734 | 982733 |
| 13 | 30 | 48 | 146555 | 982539 | 146735 | 982734 |
| 13 | 100 | 48 | 146556 | 982540 | 146736 | 982735 |
| 13 | 300 | 48 | 146557 | 982541 | 146737 | 982736 |
| 16 | 30 | 48 | 146558 | 982542 | 146738 | 982737 |
| 16 | 100 | 48 | 146559 | 982543 | 146739 | 982738 |
| 16 | 300 | 48 | 146560 | 982544 | 146740 | 982739 |
| 20 | 30 | 48 | 146561 | 982545 | 146741 | 982740 |
| 20 | 100 | 48 | 146562 | 982546 | 146742 | 982741 |
| 20 | 300 | 48 | 146563 | 982547 | 146743 | 982742 |
| 25 | 30 | 48 | 146564 | 982548 | 146744 | 982743 |
| 25 | 100 | 48 | 146565 | 982549 | 146745 | 982744 |
| 25 | 300 | 48 | 146566 | 982550 | 146746 | 982745 |
| 32 | 30 | 48 | 146567 | 982551 | 146747 | 982746 |
| 32 | 100 | 48 | 146568 | 982552 | 146748 | 982747 |
| 32 | 300 | 48 | 146569 | 982553 | 146749 | 982748 |
| 40 | 30 | 48 | 146570 | 982554 | 146750 | 982749 |
| 40 | 100 | 48 | 146571 | 982555 | 146751 | 982750 |
| 40 | 300 | 48 | 146572 | 982556 | 146752 | 982751 |
| 1 | | | | 982443 | | 982467 |
| 2 | | | | 982444 | | 982468 |
| 3 | | | | 982445 | | 982469 |
| 4 | | | | 982446 | | 982470 |
| 6 | | | | 982447 | | 982471 |
| 10 | | | | 982448 | | 982472 |
| 13 | | | | 982449 | | 982473 |
| 16 | | | | 982450 | | 982474 |
| 20 | | | | 982451 | | 982475 |
| 25 | | | | 982452 | | 982476 |
| 32 | | | | 982453 | | 982477 |
| 40 | | | | 982454 | | 982478 |

★ 3P



| In (A) | I _{Δn} (mA) | CTN | Order Code | | | |
|--------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 300 | 24 | 146573 | 982557 | 146753 | 982752 |
| 1 | 100 | 24 | 146574 | 982558 | 146754 | 982753 |
| 1 | 300 | 24 | 146575 | 982559 | 146755 | 982754 |
| 2 | 30 | 24 | 146576 | 982560 | 146756 | 982755 |
| 2 | 100 | 24 | 146577 | 982561 | 146757 | 982756 |
| 2 | 300 | 24 | 146578 | 982562 | 146758 | 982757 |
| 3 | 30 | 24 | 146579 | 982563 | 146759 | 982758 |
| 3 | 100 | 24 | 146580 | 982564 | 146760 | 982759 |
| 3 | 300 | 24 | 146581 | 982565 | 146761 | 982760 |
| 4 | 30 | 24 | 146582 | 982566 | 146762 | 982761 |
| 4 | 100 | 24 | 146583 | 982567 | 146763 | 982762 |
| 4 | 300 | 24 | 146584 | 982568 | 146764 | 982763 |
| 6 | 30 | 24 | 146585 | 982569 | 146765 | 982764 |
| 6 | 100 | 24 | 146586 | 982570 | 146766 | 982765 |
| 6 | 300 | 24 | 146587 | 982571 | 146767 | 982766 |
| 8 | 30 | 24 | 146588 | 982572 | 146768 | 982767 |
| 8 | 100 | 24 | 146589 | 982573 | 146769 | 982768 |
| 8 | 300 | 24 | 146590 | 982574 | 146770 | 982769 |
| 10 | 30 | 24 | 146591 | 982575 | 146771 | 982770 |
| 10 | 100 | 24 | 146592 | 982576 | 146772 | 982771 |
| 10 | 300 | 24 | 146593 | 982577 | 146773 | 982772 |
| 13 | 30 | 24 | 146594 | 982578 | 146774 | 982773 |
| 13 | 100 | 24 | 146595 | 982579 | 146775 | 982774 |
| 13 | 300 | 24 | 146596 | 982580 | 146776 | 982775 |
| 16 | 30 | 24 | 146597 | 982581 | 146777 | 982776 |
| 16 | 100 | 24 | 146598 | 982582 | 146778 | 982777 |
| 16 | 300 | 24 | 146599 | 982583 | 146779 | 982778 |
| 20 | 30 | 24 | 146600 | 982584 | 146780 | 982779 |
| 20 | 100 | 24 | 146601 | 982585 | 146781 | 982780 |
| 20 | 300 | 24 | 146602 | 982586 | 146782 | 982781 |
| 25 | 30 | 24 | 146603 | 982587 | 146783 | 982782 |
| 25 | 100 | 24 | 146604 | 982588 | 146784 | 982783 |
| 25 | 300 | 24 | 146605 | 982589 | 146785 | 982784 |
| 32 | 30 | 24 | 146606 | 982590 | 146786 | 982785 |
| 32 | 100 | 24 | 146607 | 982591 | 146787 | 982786 |
| 32 | 300 | 24 | 146608 | 982592 | 146788 | 982787 |
| 40 | 30 | 24 | 146609 | 982593 | 146789 | 982788 |
| 40 | 100 | 24 | 146610 | 982594 | 146790 | 982789 |
| 40 | 300 | 24 | 146611 | 982595 | 146791 | 982780 |

★ 3P+N



| In (A) | I Δ n (mA) | CTN | Order Code | | | |
|--------|-------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 300 | 24 | 146609 | 982596 | 146789 | 982791 |
| 1 | 100 | 24 | 146610 | 982597 | 146790 | 982792 |
| 1 | 300 | 24 | 146611 | 982598 | 146791 | 982793 |
| 2 | 30 | 24 | 146612 | 982599 | 146792 | 982794 |
| 2 | 100 | 24 | 146613 | 982600 | 146793 | 982795 |
| 2 | 300 | 24 | 146614 | 982601 | 146794 | 982796 |
| 3 | 30 | 24 | 146615 | 982602 | 146795 | 982797 |
| 3 | 100 | 24 | 146616 | 982603 | 146796 | 982798 |
| 3 | 300 | 24 | 146617 | 982604 | 146797 | 982799 |
| 4 | 30 | 24 | 146618 | 982605 | 146798 | 982800 |
| 4 | 100 | 24 | 146619 | 982606 | 146799 | 982801 |
| 4 | 300 | 24 | 146620 | 982607 | 146800 | 982802 |
| 6 | 30 | 24 | 146621 | 982608 | 146801 | 982803 |
| 6 | 100 | 24 | 146622 | 982609 | 146802 | 982804 |
| 6 | 300 | 24 | 146623 | 982610 | 146803 | 982805 |
| 8 | 30 | 24 | 190010 | 982611 | 190025 | 982806 |
| 8 | 100 | 24 | 190011 | 982612 | 190026 | 982807 |
| 8 | 300 | 24 | 190012 | 982613 | 190027 | 982808 |
| 10 | 30 | 24 | 146624 | 982614 | 146804 | 982809 |
| 10 | 100 | 24 | 146625 | 982615 | 146805 | 982810 |
| 10 | 300 | 24 | 146626 | 982616 | 146806 | 982811 |
| 13 | 30 | 24 | 146627 | 982617 | 146807 | 982812 |
| 13 | 100 | 24 | 146628 | 982618 | 146808 | 982813 |
| 13 | 300 | 24 | 146629 | 982619 | 146809 | 982814 |
| 16 | 30 | 24 | 146630 | 982620 | 146810 | 982815 |
| 16 | 100 | 24 | 146631 | 982621 | 146811 | 982816 |
| 16 | 300 | 24 | 146632 | 982622 | 146812 | 982817 |
| 20 | 30 | 24 | 146633 | 982623 | 146813 | 982818 |
| 20 | 100 | 24 | 146634 | 982624 | 146814 | 982819 |
| 20 | 300 | 24 | 146635 | 982625 | 146815 | 982820 |
| 25 | 30 | 24 | 146636 | 982626 | 146816 | 982821 |
| 25 | 100 | 24 | 146637 | 982627 | 146817 | 982822 |
| 25 | 300 | 24 | 146638 | 982628 | 146818 | 982823 |
| 32 | 30 | 24 | 146639 | 982629 | 146819 | 982824 |
| 32 | 100 | 24 | 146640 | 982630 | 146820 | 982825 |
| 32 | 300 | 24 | 146641 | 982631 | 146821 | 982826 |
| 40 | 30 | 24 | 146642 | 982632 | 146822 | 982827 |
| 40 | 100 | 24 | 146643 | 982633 | 146823 | 982828 |
| 40 | 300 | 24 | 146644 | 982634 | 146824 | 982829 |

★ 4P



| In (A) | I _{Δn} (mA) | CTN | Order Code | | | |
|--------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 300 | 24 | 146645 | 982635 | 146825 | 982830 |
| 1 | 100 | 24 | 146646 | 982636 | 146826 | 982831 |
| 1 | 300 | 24 | 146647 | 982637 | 146827 | 982832 |
| 2 | 30 | 24 | 146648 | 982638 | 146828 | 982833 |
| 2 | 100 | 24 | 146649 | 982639 | 146829 | 982834 |
| 2 | 300 | 24 | 146650 | 982640 | 146830 | 982835 |
| 3 | 30 | 24 | 146651 | 982641 | 146831 | 982836 |
| 3 | 100 | 24 | 146652 | 982642 | 146832 | 982837 |
| 3 | 300 | 24 | 146653 | 982643 | 146833 | 982838 |
| 4 | 30 | 24 | 146654 | 982644 | 146834 | 982839 |
| 4 | 100 | 24 | 146655 | 982645 | 146835 | 982840 |
| 4 | 300 | 24 | 146656 | 982646 | 146836 | 982841 |
| 6 | 30 | 24 | 146657 | 982647 | 146837 | 982842 |
| 6 | 100 | 24 | 146658 | 982648 | 146838 | 982843 |
| 6 | 300 | 24 | 146659 | 982649 | 146839 | 982844 |
| 8 | 30 | 24 | 190013 | 982650 | 190028 | 982845 |
| 8 | 100 | 24 | 190014 | 982651 | 190029 | 982846 |
| 8 | 300 | 24 | 190015 | 982652 | 190030 | 982847 |
| 10 | 30 | 24 | 146660 | 982653 | 146840 | 982848 |
| 10 | 100 | 24 | 146661 | 982654 | 146841 | 982849 |
| 10 | 300 | 24 | 146662 | 982655 | 146842 | 982850 |
| 13 | 30 | 24 | 146663 | 982656 | 146843 | 982851 |
| 13 | 100 | 24 | 146664 | 982657 | 146844 | 982852 |
| 13 | 300 | 24 | 146665 | 982658 | 146845 | 982853 |
| 16 | 30 | 24 | 146666 | 982659 | 146846 | 982854 |
| 16 | 100 | 24 | 146667 | 982660 | 146847 | 982855 |
| 16 | 300 | 24 | 146668 | 982661 | 146848 | 982856 |
| 20 | 30 | 24 | 146669 | 982662 | 146849 | 982857 |
| 20 | 100 | 24 | 146670 | 982663 | 146850 | 982858 |
| 20 | 300 | 24 | 146671 | 982664 | 146851 | 982859 |
| 25 | 30 | 24 | 146672 | 982665 | 146852 | 982860 |
| 25 | 100 | 24 | 146673 | 982666 | 146853 | 982861 |
| 25 | 300 | 24 | 146674 | 982667 | 146854 | 982862 |
| 32 | 30 | 24 | 146675 | 982668 | 146855 | 982863 |
| 32 | 100 | 24 | 146676 | 982669 | 146856 | 982864 |
| 32 | 300 | 24 | 146677 | 982670 | 146857 | 982865 |
| 40 | 30 | 24 | 146678 | 982671 | 146858 | 982866 |
| 40 | 100 | 24 | 146679 | 982672 | 146859 | 982867 |
| 40 | 300 | 24 | 146680 | 982673 | 146860 | 982868 |

→ 1~40A, AC type, I_{cn}=10000A

★ 1P+N



| In (A) | I _{Δn} (mA) | CTN | Order Code | | | |
|-----------|-------------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 300 | 60 | 146861 | 982869 | 147041 | 983064 |
| 1 | 100 | 60 | 146862 | 982870 | 147042 | 983065 |
| 1 | 300 | 60 | 146863 | 982871 | 147043 | 983066 |
| 2 | 30 | 60 | 146864 | 982872 | 147044 | 983067 |
| 2 | 100 | 60 | 146865 | 982873 | 147045 | 983068 |
| 2 | 300 | 60 | 146866 | 982874 | 147046 | 983069 |
| 3 | 30 | 60 | 146867 | 982875 | 147047 | 983070 |
| 3 | 100 | 60 | 146868 | 982876 | 147048 | 983071 |
| 3 | 300 | 60 | 146869 | 982877 | 147049 | 983072 |
| 4 | 30 | 60 | 146870 | 982878 | 147050 | 983073 |
| 4 | 100 | 60 | 146871 | 982879 | 147051 | 983074 |
| 4 | 300 | 60 | 146872 | 982880 | 147052 | 983075 |
| 6 | 30 | 60 | 146873 | 982881 | 147053 | 983076 |
| 6 | 100 | 60 | 146874 | 982882 | 147054 | 983077 |
| 6 | 300 | 60 | 146875 | 982883 | 147055 | 983078 |
| 8 | 30 | 60 | 190032 | 982884 | 190047 | 983079 |
| 8 | 100 | 60 | 190033 | 982885 | 190048 | 983080 |
| 8 | 300 | 60 | 190034 | 982886 | 190049 | 983081 |
| 10 | 30 | 60 | 146876 | 982887 | 147056 | 983082 |
| 10 | 100 | 60 | 146877 | 982888 | 147057 | 983083 |
| 10 | 300 | 60 | 146878 | 982889 | 147058 | 983084 |
| 13 | 30 | 60 | 146879 | 982890 | 147059 | 983085 |
| 13 | 100 | 60 | 146880 | 982891 | 147060 | 983086 |
| 13 | 300 | 60 | 146881 | 982892 | 147061 | 983087 |
| 16 | 30 | 60 | 146882 | 982893 | 147062 | 983088 |
| 16 | 100 | 60 | 146883 | 982894 | 147063 | 983089 |
| 16 | 300 | 60 | 146884 | 982895 | 147064 | 983090 |
| 20 | 30 | 60 | 146885 | 982896 | 147065 | 983091 |
| 20 | 100 | 60 | 146886 | 982897 | 147066 | 983092 |
| 20 | 300 | 60 | 146887 | 982898 | 147067 | 983093 |
| 25 | 30 | 60 | 146888 | 982899 | 147068 | 983094 |
| 25 | 100 | 60 | 146889 | 982900 | 147069 | 983095 |
| 25 | 300 | 60 | 146890 | 982901 | 147070 | 983096 |
| 32 | 30 | 60 | 146891 | 982902 | 147071 | 983097 |
| 32 | 100 | 60 | 146892 | 982903 | 147072 | 983098 |
| 32 | 300 | 60 | 146893 | 982904 | 147073 | 983099 |
| 40 | 30 | 60 | 146894 | 982905 | 147074 | 983100 |
| 40 | 100 | 60 | 146895 | 982906 | 147075 | 983101 |
| 40 | 300 | 60 | 146896 | 982907 | 147076 | 983102 |

★ 2P



| In (A) | I _{Δn} (mA) | CTN | Order Code | | | |
|-----------|-------------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 300 | 48 | 146897 | 982908 | 147077 | 983103 |
| 1 | 100 | 48 | 146898 | 982909 | 147078 | 983104 |
| 1 | 300 | 48 | 146899 | 982910 | 147079 | 983105 |
| 2 | 30 | 48 | 146900 | 982911 | 147080 | 983106 |
| 2 | 100 | 48 | 146901 | 982912 | 147081 | 983107 |
| 2 | 300 | 48 | 146902 | 982913 | 147082 | 983108 |
| 3 | 30 | 48 | 146903 | 982914 | 147083 | 983109 |
| 3 | 100 | 48 | 146904 | 982915 | 147084 | 983110 |
| 3 | 300 | 48 | 146905 | 982916 | 147085 | 983111 |
| 4 | 30 | 48 | 146906 | 982917 | 147086 | 983112 |
| 4 | 100 | 48 | 146907 | 982918 | 147087 | 983113 |
| 4 | 300 | 48 | 146908 | 982919 | 147088 | 983114 |
| 6 | 30 | 48 | 146909 | 982920 | 147089 | 983115 |
| 6 | 100 | 48 | 146910 | 982921 | 147090 | 983116 |
| 6 | 300 | 48 | 146911 | 982922 | 147091 | 983117 |
| 8 | 30 | 48 | 190035 | 982923 | 190050 | 983118 |
| 8 | 100 | 48 | 190036 | 982924 | 190051 | 983119 |
| 8 | 300 | 48 | 190037 | 982925 | 190052 | 983120 |
| 10 | 30 | 48 | 146912 | 982926 | 147092 | 983121 |
| 10 | 100 | 48 | 146913 | 982927 | 147093 | 983122 |
| 10 | 300 | 48 | 146914 | 982928 | 147094 | 983123 |
| 13 | 30 | 48 | 146915 | 982929 | 147095 | 983124 |
| 13 | 100 | 48 | 146916 | 982930 | 147096 | 983125 |
| 13 | 300 | 48 | 146917 | 982931 | 147097 | 983126 |
| 16 | 30 | 48 | 146918 | 982932 | 147098 | 983127 |
| 16 | 100 | 48 | 146919 | 982933 | 147099 | 983128 |
| 16 | 300 | 48 | 146920 | 982934 | 147100 | 983129 |
| 20 | 30 | 48 | 146921 | 982935 | 147101 | 983130 |
| 20 | 100 | 48 | 146922 | 982936 | 147102 | 983131 |
| 20 | 300 | 48 | 146923 | 982937 | 147103 | 983132 |
| 25 | 30 | 48 | 146924 | 982938 | 147104 | 983133 |
| 25 | 100 | 48 | 146925 | 982939 | 147105 | 983134 |
| 25 | 300 | 48 | 146926 | 982940 | 147106 | 983135 |
| 32 | 30 | 48 | 146927 | 982941 | 147107 | 983136 |
| 32 | 100 | 48 | 146928 | 982942 | 147108 | 983137 |
| 32 | 300 | 48 | 146929 | 982943 | 147109 | 983138 |
| 40 | 30 | 48 | 146930 | 982944 | 147110 | 983139 |
| 40 | 100 | 48 | 146931 | 982945 | 147111 | 983140 |
| 40 | 300 | 48 | 146932 | 982946 | 147112 | 983141 |

★ 3P



| In (A) | I _{Δn} (mA) | CTN | Order Code | | | |
|--------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 300 | 24 | 146933 | 982947 | 147113 | 983142 |
| 1 | 100 | 24 | 146934 | 982948 | 147114 | 983143 |
| 1 | 300 | 24 | 146935 | 982949 | 147115 | 983144 |
| 2 | 30 | 24 | 146936 | 982950 | 147116 | 983145 |
| 2 | 100 | 24 | 146937 | 982951 | 147117 | 983146 |
| 2 | 300 | 24 | 146938 | 982952 | 147118 | 983147 |
| 3 | 30 | 24 | 146939 | 982953 | 147119 | 983148 |
| 3 | 100 | 24 | 146940 | 982954 | 147120 | 983149 |
| 3 | 300 | 24 | 146941 | 982955 | 147121 | 983150 |
| 4 | 30 | 24 | 146942 | 982956 | 147122 | 983151 |
| 4 | 100 | 24 | 146943 | 982957 | 147123 | 983152 |
| 4 | 300 | 24 | 146944 | 982958 | 147124 | 983153 |
| 6 | 30 | 24 | 146945 | 982959 | 147125 | 983154 |
| 6 | 100 | 24 | 146946 | 982960 | 147126 | 983155 |
| 6 | 300 | 24 | 146947 | 982961 | 147127 | 983156 |
| 8 | 30 | 24 | 190038 | 982962 | 190053 | 983157 |
| 8 | 100 | 24 | 190039 | 982963 | 190054 | 983158 |
| 8 | 300 | 24 | 190040 | 982964 | 190055 | 983159 |
| 10 | 30 | 24 | 146948 | 982965 | 147128 | 983160 |
| 10 | 100 | 24 | 146949 | 982966 | 147129 | 983161 |
| 10 | 300 | 24 | 146950 | 982967 | 147130 | 983162 |
| 13 | 30 | 24 | 146951 | 982968 | 147131 | 983163 |
| 13 | 100 | 24 | 146952 | 982969 | 147132 | 983164 |
| 13 | 300 | 24 | 146953 | 982970 | 147133 | 983165 |
| 16 | 30 | 24 | 146954 | 982971 | 147134 | 983166 |
| 16 | 100 | 24 | 146955 | 982972 | 147135 | 983167 |
| 16 | 300 | 24 | 146956 | 982973 | 147136 | 983168 |
| 20 | 30 | 24 | 146957 | 982974 | 147137 | 983169 |
| 20 | 100 | 24 | 146958 | 982975 | 147138 | 983170 |
| 20 | 300 | 24 | 146959 | 982976 | 147139 | 983171 |
| 25 | 30 | 24 | 146960 | 982977 | 147140 | 983172 |
| 25 | 100 | 24 | 146961 | 982978 | 147141 | 983173 |
| 25 | 300 | 24 | 146962 | 982979 | 147142 | 983174 |
| 32 | 30 | 24 | 146963 | 982980 | 147143 | 983175 |
| 32 | 100 | 24 | 146964 | 982981 | 147144 | 983176 |
| 32 | 300 | 24 | 146965 | 982982 | 147145 | 983177 |
| 40 | 30 | 24 | 146966 | 982983 | 147146 | 983178 |
| 40 | 100 | 24 | 146967 | 982984 | 147147 | 983179 |
| 40 | 300 | 24 | 146968 | 982985 | 147148 | 983180 |

★ 3P+N



| In (A) | I _{Δn} (mA) | CTN | Order Code | | | |
|-----------|-------------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 300 | 24 | 146969 | 982986 | 147149 | 983181 |
| 1 | 100 | 24 | 146970 | 982987 | 147150 | 983182 |
| 1 | 300 | 24 | 146971 | 982988 | 147151 | 983183 |
| 2 | 30 | 24 | 146972 | 982989 | 147152 | 983184 |
| 2 | 100 | 24 | 146973 | 982990 | 147153 | 983185 |
| 2 | 300 | 24 | 146974 | 982991 | 147154 | 983186 |
| 3 | 30 | 24 | 146975 | 982992 | 147155 | 983187 |
| 3 | 100 | 24 | 146976 | 982993 | 147156 | 983188 |
| 3 | 300 | 24 | 146977 | 982994 | 147157 | 983189 |
| 4 | 30 | 24 | 146978 | 982995 | 147158 | 983190 |
| 4 | 100 | 24 | 146979 | 982996 | 147159 | 983191 |
| 4 | 300 | 24 | 146980 | 982997 | 147160 | 983192 |
| 6 | 30 | 24 | 146981 | 982998 | 147161 | 983193 |
| 6 | 100 | 24 | 146982 | 982999 | 147162 | 983194 |
| 6 | 300 | 24 | 146983 | 983000 | 147163 | 983195 |
| 8 | 30 | 24 | 190041 | 983001 | 190056 | 983196 |
| 8 | 100 | 24 | 190042 | 983002 | 190057 | 983197 |
| 8 | 300 | 24 | 190043 | 983003 | 190058 | 983198 |
| 10 | 30 | 24 | 146984 | 983004 | 147164 | 983199 |
| 10 | 100 | 24 | 146985 | 983005 | 147165 | 983200 |
| 10 | 300 | 24 | 146986 | 983006 | 147166 | 983201 |
| 13 | 30 | 24 | 146987 | 983007 | 147167 | 983202 |
| 13 | 100 | 24 | 146988 | 983008 | 147168 | 983203 |
| 13 | 300 | 24 | 146989 | 983009 | 147169 | 983204 |
| 16 | 30 | 24 | 146990 | 983010 | 147170 | 983205 |
| 16 | 100 | 24 | 146991 | 983011 | 147171 | 983206 |
| 16 | 300 | 24 | 146992 | 983012 | 147172 | 983207 |
| 20 | 30 | 24 | 146993 | 983013 | 147173 | 983208 |
| 20 | 100 | 24 | 146994 | 983014 | 147174 | 983209 |
| 20 | 300 | 24 | 146995 | 983015 | 147175 | 983210 |
| 25 | 30 | 24 | 146996 | 983016 | 147176 | 983211 |
| 25 | 100 | 24 | 146997 | 983017 | 147177 | 983212 |
| 25 | 300 | 24 | 146998 | 983018 | 147178 | 983213 |
| 32 | 30 | 24 | 146999 | 983019 | 147179 | 983214 |
| 32 | 100 | 24 | 147000 | 983020 | 147180 | 983215 |
| 32 | 300 | 24 | 147001 | 983021 | 147181 | 983216 |
| 40 | 30 | 24 | 147002 | 983022 | 147182 | 983217 |
| 40 | 100 | 24 | 147003 | 983023 | 147183 | 983218 |
| 40 | 300 | 24 | 147004 | 983024 | 147184 | 983219 |

★ 4P



| In (A) | I _{Δn} (mA) | CTN | Order Code | | | |
|--------|----------------------|-----|------------|--------|----------|--------|
| | | | Curve B | | Curve C | |
| | | | Standard | RoHS | Standard | RoHS |
| 1 | 300 | 24 | 147005 | 983025 | 147185 | 983220 |
| 1 | 100 | 24 | 147006 | 983026 | 147186 | 983221 |
| 1 | 300 | 24 | 147007 | 983027 | 147187 | 983222 |
| 2 | 30 | 24 | 147008 | 983028 | 147188 | 983223 |
| 2 | 100 | 24 | 147009 | 983029 | 147189 | 983224 |
| 2 | 300 | 24 | 147010 | 983030 | 147190 | 983225 |
| 3 | 30 | 24 | 147011 | 983031 | 147191 | 983226 |
| 3 | 100 | 24 | 147012 | 983032 | 147192 | 983227 |
| 3 | 300 | 24 | 147013 | 983033 | 147193 | 983228 |
| 4 | 30 | 24 | 147014 | 983034 | 147194 | 983229 |
| 4 | 100 | 24 | 147015 | 983035 | 147195 | 983230 |
| 4 | 300 | 24 | 147016 | 983036 | 147196 | 983231 |
| 6 | 30 | 24 | 147017 | 983037 | 147197 | 983232 |
| 6 | 100 | 24 | 147018 | 983038 | 147198 | 983233 |
| 6 | 300 | 24 | 147019 | 983039 | 147199 | 983234 |
| 8 | 30 | 24 | 190044 | 983040 | 190059 | 983235 |
| 8 | 100 | 24 | 190045 | 983041 | 190060 | 983236 |
| 8 | 300 | 24 | 190046 | 983042 | 190061 | 983237 |
| 10 | 30 | 24 | 147020 | 983043 | 147200 | 983238 |
| 10 | 100 | 24 | 147021 | 983044 | 147201 | 983239 |
| 10 | 300 | 24 | 147022 | 983045 | 147202 | 983240 |
| 13 | 30 | 24 | 147023 | 983046 | 147203 | 983241 |
| 13 | 100 | 24 | 147024 | 983047 | 147204 | 983242 |
| 13 | 300 | 24 | 147025 | 983048 | 147205 | 983243 |
| 16 | 30 | 24 | 147026 | 983049 | 147206 | 983244 |
| 16 | 100 | 24 | 147027 | 983050 | 147207 | 983245 |
| 16 | 300 | 24 | 147028 | 983051 | 147208 | 983246 |
| 20 | 30 | 24 | 147029 | 983052 | 147209 | 983247 |
| 20 | 100 | 24 | 147030 | 983053 | 147210 | 983248 |
| 20 | 300 | 24 | 147031 | 983054 | 147211 | 983249 |
| 25 | 30 | 24 | 147032 | 983055 | 147212 | 983250 |
| 25 | 100 | 24 | 147033 | 983056 | 147213 | 983251 |
| 25 | 300 | 24 | 147034 | 983057 | 147214 | 983252 |
| 32 | 30 | 24 | 147035 | 983058 | 147215 | 983253 |
| 32 | 100 | 24 | 147036 | 983059 | 147216 | 983254 |
| 32 | 300 | 24 | 147037 | 983060 | 147217 | 983255 |
| 40 | 30 | 24 | 147038 | 983061 | 147218 | 983256 |
| 40 | 100 | 24 | 147039 | 983062 | 147219 | 983257 |
| 40 | 300 | 24 | 147040 | 983063 | 147220 | 983258 |

→ 50~63A, AC type, I_{cn}=6000A

★ 1P+N



| In (A) | I _{Δn} (mA) | CTN | Order Code | |
|--------|----------------------|-----|------------|--------|
| | | | Curve C | |
| | | | Standard | RoHS |
| 50 | 30 | 60 | 142531 | 972113 |
| 50 | 100 | 60 | 142532 | 972114 |
| 50 | 300 | 60 | 142533 | 972115 |
| 63 | 30 | 60 | 142534 | 972116 |
| 63 | 100 | 60 | 142535 | 972117 |
| 63 | 300 | 60 | 142536 | 972118 |

★ 2P



| In (A) | I _{Δn} (mA) | CTN | Order Code | |
|--------|----------------------|-----|------------|--------|
| | | | Curve C | |
| | | | Standard | RoHS |
| 50 | 30 | 48 | 142537 | 972119 |
| 50 | 100 | 48 | 142538 | 972120 |
| 50 | 300 | 48 | 142539 | 972121 |
| 63 | 30 | 48 | 142540 | 972122 |
| 63 | 100 | 48 | 142541 | 972123 |
| 63 | 300 | 48 | 142542 | 972124 |

★ 3P



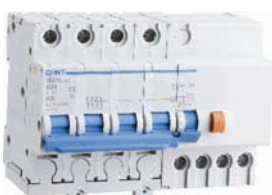
| In (A) | I _{Δn} (mA) | CTN | Order Code | |
|--------|----------------------|-----|------------|--------|
| | | | Curve C | |
| | | | Standard | RoHS |
| 50 | 30 | 24 | 142543 | 972125 |
| 50 | 100 | 24 | 142544 | 972126 |
| 50 | 300 | 24 | 142545 | 972127 |
| 63 | 30 | 24 | 142546 | 972128 |
| 63 | 100 | 24 | 142547 | 972129 |
| 63 | 300 | 24 | 142548 | 972130 |

★ 3P+N



| In (A) | I _{Δn} (mA) | CTN | Order Code | |
|--------|----------------------|-----|------------|--------|
| | | | Curve C | |
| | | | Standard | RoHS |
| 50 | 30 | 24 | 142549 | 972131 |
| 50 | 100 | 24 | 142550 | 972132 |
| 50 | 300 | 24 | 142551 | 972133 |
| 63 | 30 | 24 | 142552 | 972134 |
| 63 | 100 | 24 | 142553 | 972135 |
| 63 | 300 | 24 | 142554 | 972136 |

★ 4P



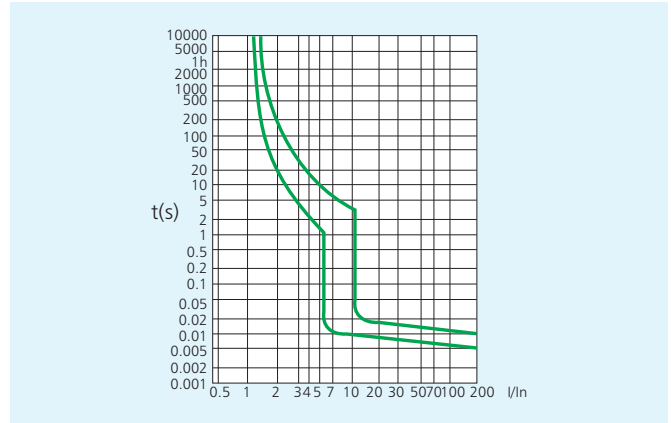
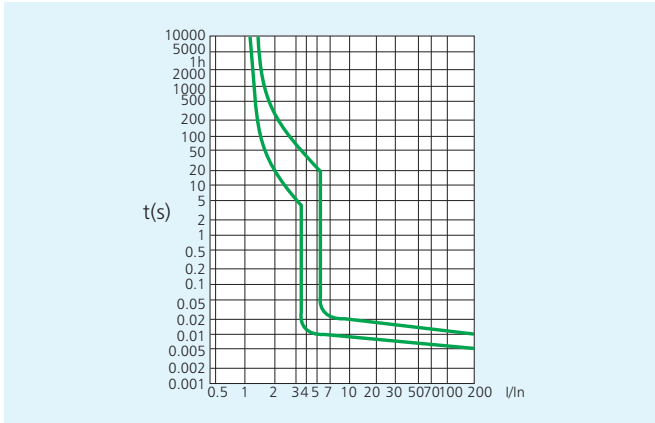
| In (A) | I _{Δn} (mA) | CTN | Order Code | |
|--------|----------------------|-----|------------|--------|
| | | | Curve C | |
| | | | Standard | RoHS |
| 50 | 30 | 24 | 142555 | 972137 |
| 50 | 100 | 24 | 142556 | 972138 |
| 50 | 300 | 24 | 142557 | 972139 |
| 63 | 30 | 24 | 142558 | 972140 |
| 63 | 100 | 24 | 142559 | 972141 |
| 63 | 300 | 24 | 142560 | 972142 |

3. Technical Data

3.1 Curves

B Curve

C Curve



3.2

| Standard | | IEC/EN 60898-1 | | |
|--|---|----------------|--|---|
| Electrical features | Type (wave form of the earth leakage sensed) | AC, A | | |
| | Thermo-magnetic release characteristic | B, C | | |
| | Rated current in | A | MCB+add-on RCD block | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 |
| | | | Combined | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40 |
| | Poles | A | MCB+add-on RCD block | 1P+N, 2P, 3P, 3P+N, 4P |
| | | | Combined | 1P+N, 2P |
| | Rated voltage Ue | V | 230/400 | |
| | Rated sensitivity IΔn | A | MCB+add-on RCD block | 0.03, 0.1, 0.3 |
| | | | Combined | 0.03 |
| | Rated residual making and breaking capacity | A | 500 (In ≤ 40A) | |
| | | | 630 (In > 40A) | |
| | IΔm | | | |
| | Rated short-circuit capacity Icn | A | 6,000/10,000 | |
| | Break time under IΔn | s | ≤ 0.1 | |
| Rated frequency | Hz | 50/60 | | |
| Rated impulse withstand voltage (1.2/50)Uimp | V | 6,000 | | |
| Dielectric TEST voltage at ind. Freq. for 1min | kV | 2 | | |
| Insulation voltage Ui | | 500 | | |
| Pollution degree | | 2 | | |
| Mechanical features | Electrical life | 2,000 | | |
| | Mechanical life | 2,000 | | |
| | Contact position indicator | Yes | | |
| | Protection degree | IP20 | | |
| | Ambient temperature (with daily average ≤ 35°C) | °C | -5...+40 (Special application please refer to P62 for temperature compensation correction) | |
| | Storage temperature | °C | -25...+70 | |

| | Standard | | IEC/EN 60898-1 |
|--------------|-------------------------------------|--|-------------------------------------|
| Installation | Terminal connection type | | Cable/U-type busbar/Pin-type busbar |
| | Terminal size top/bottom for cable | mm ² | 25 |
| | | AWG | 18-3 |
| | Terminal size top/bottom for busbar | mm ² | 25 |
| | | AWG | 18-3 |
| | Tightening torque | N*m | 2 |
| | | In-lbs. | 18 |
| Mounting | | On DIN rail EN 60715 (35mm) by means of fast clip device | |
| Connection | | From top and bottom (for combined type) | |
| | | From top (MCB+add-on RCD block) | |

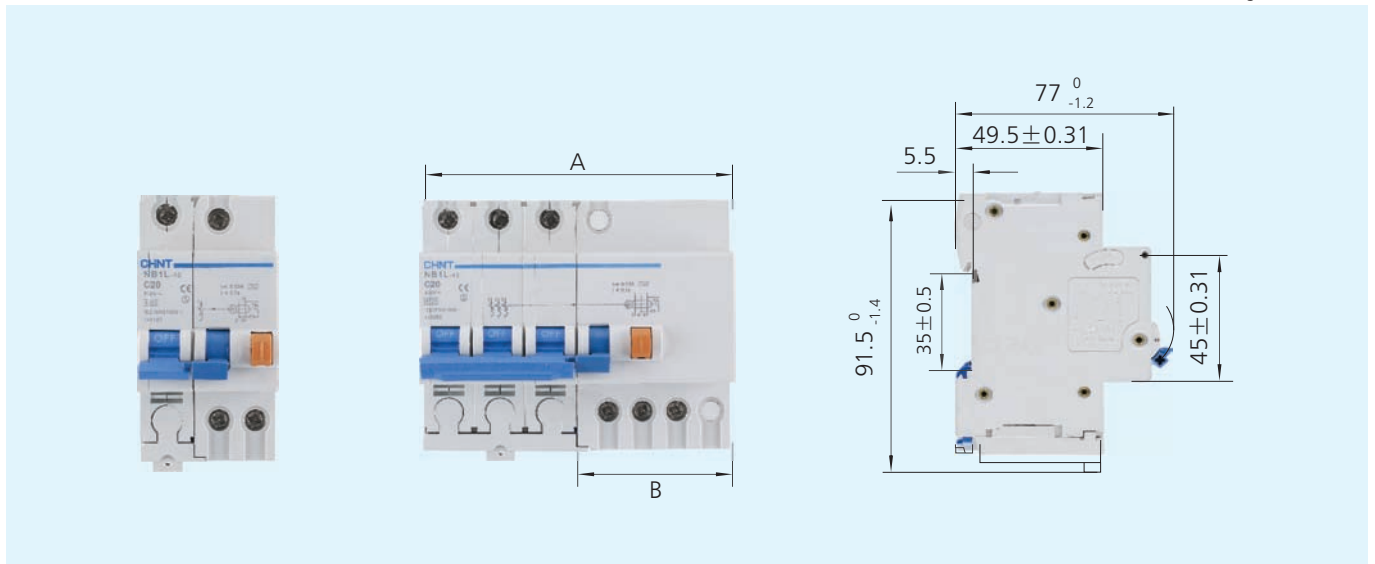
3.3 Temperature derating

| Temperature | -10°C | 0°C | 10°C | 20°C | 30°C | 40°C | 50°C | 60°C |
|---|-------|------|------|------|------|------|------|------|
| Temperature compensation coefficient of rated current | 1.20 | 1.15 | 1.10 | 1.05 | 1.00 | 0.95 | 0.90 | 0.85 |

4. Overall and Mounting Dimensions (mm)

4.1 MCB+add-on RCD block

Overall and Mounting Dimensions



| Number of poles | Overall dimensions A (mm) | |
|-----------------|----------------------------------|----------------------------------|
| | 1~40A | 50~63A |
| 1P+N | 45 ⁰ _{-0.62} | 54 ⁰ _{-0.74} |
| 2P | 63 ⁰ _{-0.74} | 72 ⁰ _{-0.74} |
| 3P | 108 ⁰ _{-1.4} | 117 ⁰ _{-1.4} |
| 3P+N | 108 ⁰ _{-1.4} | 117 ⁰ _{-1.4} |
| 4P | 126 ⁰ _{-1.6} | 135 ⁰ _{-1.6} |
| B(mm) | | |
| 1P+N | 27 ⁰ _{-0.52} | 36 ⁰ _{-0.62} |
| 2P | 27 ⁰ _{-0.52} | 36 ⁰ _{-0.62} |
| 3P | 54 ⁰ _{-1.20} | 63 ⁰ _{-1.2} |
| 3P+N | 54 ⁰ _{-1.20} | 63 ⁰ _{-1.2} |
| 4P | 54 ⁰ _{-1.20} | 63 ⁰ _{-1.2} |



Combined

