

RCD1 - Residual Current Circuit Breaker, RCCB, 10kA



- △ RCCB type A, type A[G], type A[S], type B
- △ Rated current up to 125A
- △ Rated operational voltage 240,415VAC
- △ Rated short-circuit breaking capacity 10kA (Icn)
- △ 10, 30, 100, 300, 500mA
- △ 2p (1p+n), 4p (3p+n) devices
- △ Fork and Pin- type busbar connection
- △ Terminal cover with seal function
- △ Handle lock to protect for error operations

General information

Due to our changing life style and high tech developments there is need for more diversity in the RCCB protection devices. With the RCD1 you can find the right protection for your situation in any time. The design covers the range up to 125A solutions in different categories.

Type key

Example:
RCD1-4A-
08010S

| RCD1 | 4 | A | 080 | 10 | S |
|---------|------------------|----------------------|--|--|--|
| Product | Type | Poles | Ampere | Sensitivity | Time delay |
| RCCB | 2 = 2p 4 = 4p | A=Type A B=Type B | 16A, 25A, 40A, 63A, 80A, 100A, 125A | 01= 10mA 03= 30mA 10=100mA 30=300mA 50=500mA | [blanc]=direct G=short time delay S=selective |

Certification marks



RCD1 - Type A, 2 pole, 10mA, 10kA



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| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|---------------|---------------|------|
| 16A / 10mA | 2p | A | 2MU | 3112000010 | RCD1-2A-01601 | 8718959023286 | 6/60 |
| 25A / 10mA | 2p | A | 2MU | 3112000030 | RCD1-2A-02501 | 8718959023309 | 6/60 |
| 40A / 10mA | 2p | A | 2MU | 3112000070 | RCD1-2A-04001 | 8718959023347 | 6/60 |

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RCD1 - Type A, 2 pole, 30mA, 10kA



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| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|---------------|---------------|------|
| 16A / 30mA | 2p | A | 2MU | 3112000020 | RCD1-2A-01603 | 8718959023293 | 6/60 |
| 25A / 30mA | 2p | A | 2MU | 3112000040 | RCD1-2A-02503 | 8718959023316 | 6/60 |
| 40A / 30mA | 2p | A | 2MU | 3112000080 | RCD1-2A-04003 | 8718959023354 | 6/60 |
| 63A / 30mA | 2p | A | 2MU | 3112000130 | RCD1-2A-06303 | 8718959023408 | 6/60 |
| 80A / 30mA | 2p | A | 2MU | 3112000180 | RCD1-2A-08003 | 8718959023453 | 6/60 |
| 100A / 30mA | 2p | A | 2MU | 3112000230 | RCD1-2A-10003 | 8718959023507 | 6/60 |
| 125A / 30mA | 2p | A | 2MU | 3112000280 | RCD1-2A-12503 | 8718959023552 | 6/60 |

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RCD1 - Type A, 2 pole, 100mA, 10kA



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| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|---------------|---------------|------|
| 25A / 100mA | 2p | A | 2MU | 3112000050 | RCD1-2A-02510 | 8718959023323 | 6/60 |
| 40A / 100mA | 2p | A | 2MU | 3112000090 | RCD1-2A-04010 | 8718959023361 | 6/60 |
| 63A / 100mA | 2p | A | 2MU | 3112000140 | RCD1-2A-06310 | 8718959023415 | 6/60 |
| 80A / 100mA | 2p | A | 2MU | 3112000190 | RCD1-2A-08010 | 8718959023460 | 6/60 |
| 100A / 100mA | 2p | A | 2MU | 3112000240 | RCD1-2A-10010 | 8718959023514 | 6/60 |
| 125A / 100mA | 2p | A | 2MU | 3112000290 | RCD1-2A-12510 | 8718959023569 | 6/60 |

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RCD1 - Type A, 2 pole, 300mA, 10kA



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| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|---------------|---------------|------|
| 25A / 300mA | 2p | A | 2MU | 3112000060 | RCD1-2A-02530 | 8718959023330 | 6/60 |
| 40A / 300mA | 2p | A | 2MU | 3112000100 | RCD1-2A-04030 | 8718959023378 | 6/60 |
| 63A / 300mA | 2p | A | 2MU | 3112000150 | RCD1-2A-06330 | 8718959023422 | 6/60 |
| 80A / 300mA | 2p | A | 2MU | 3112000200 | RCD1-2A-08030 | 8718959023477 | 6/60 |
| 100A / 300mA | 2p | A | 2MU | 3112000250 | RCD1-2A-10030 | 8718959023521 | 6/60 |
| 125A / 300mA | 2p | A | 2MU | 3112000300 | RCD1-2A-12530 | 8718959023576 | 6/60 |

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RCD1 - Type A, 4 pole, 30mA, 10kA



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| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|---------------|---------------|------|
| 25A / 30mA | 4p | A | 4MU | 3112000330 | RCD1-4A-02503 | 8718959023606 | 3/30 |
| 40A / 30mA | 4p | A | 4MU | 3112000390 | RCD1-4A-04003 | 8718959023668 | 3/30 |
| 63A / 30mA | 4p | A | 4MU | 3112000460 | RCD1-4A-06303 | 8718959023736 | 3/30 |
| 80A / 30mA | 4p | A | 4MU | 3112000530 | RCD1-4A-08003 | 8718959023804 | 3/30 |
| 100A / 30mA | 4p | A | 4MU | 3112000600 | RCD1-4A-10003 | 8718959023873 | 3/30 |
| 125A / 30mA | 4p | A | 4MU | 3112000670 | RCD1-4A-12503 | 8718959023941 | 3/30 |

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RCD1 - Type A, 4 pole, 100mA, 10kA



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| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|---------------|---------------|------|
| 25A / 100mA | 4p | A | 4MU | 3112000340 | RCD1-4A-02510 | 8718959023613 | 3/30 |
| 40A / 100mA | 4p | A | 4MU | 3112000400 | RCD1-4A-04010 | 8718959023675 | 3/30 |
| 63A / 100mA | 4p | A | 4MU | 3112000470 | RCD1-4A-06310 | 8718959023743 | 3/30 |
| 80A / 100mA | 4p | A | 4MU | 3112000540 | RCD1-4A-08010 | 8718959023811 | 3/30 |
| 100A / 100mA | 4p | A | 4MU | 3112000610 | RCD1-4A-10010 | 8718959023880 | 3/30 |
| 125A / 100mA | 4p | A | 4MU | 3112000680 | RCD1-4A-12510 | 8718959023958 | 3/30 |

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RCD1 - Type A, 4 pole, 300mA, 10kA



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| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|---------------|---------------|------|
| 25A / 300mA | 4p | A | 4MU | 3112000350 | RCD1-4A-02530 | 8718959023620 | 3/30 |
| 40A / 300mA | 4p | A | 4MU | 3112000410 | RCD1-4A-04030 | 8718959023682 | 3/30 |
| 63A / 300mA | 4p | A | 4MU | 3112000480 | RCD1-4A-06330 | 8718959023750 | 3/30 |
| 80A / 300mA | 4p | A | 4MU | 3112000550 | RCD1-4A-08030 | 8718959023828 | 3/30 |
| 100A / 300mA | 4p | A | 4MU | 3112000620 | RCD1-4A-10030 | 8718959023897 | 3/30 |
| 125A / 300mA | 4p | A | 4MU | 3112000690 | RCD1-4A-12530 | 8718959023965 | 3/30 |

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RCD1 - Type A, 4 pole, 500mA, 10kA



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| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|---------------|---------------|------|
| 25A / 500mA | 4p | A | 4MU | 3112000360 | RCD1-4A-02550 | 8718959023637 | 3/30 |
| 40A / 500mA | 4p | A | 4MU | 3112000420 | RCD1-4A-04050 | 8718959023699 | 3/30 |
| 63A / 500mA | 4p | A | 4MU | 3112000490 | RCD1-4A-06350 | 8718959023767 | 3/30 |
| 80A / 500mA | 4p | A | 4MU | 3112000560 | RCD1-4A-08050 | 8718959023835 | 3/30 |
| 100A / 500mA | 4p | A | 4MU | 3112000630 | RCD1-4A-10050 | 8718959023903 | 3/30 |
| 125A / 500mA | 4p | A | 4MU | 3112000700 | RCD1-4A-12550 | 8718959023972 | 3/30 |

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**RCD1 – Type A[G], 2 pole, 10mA, 10kA,
SHORT-TERM DELAY (non-operation time of at least 10mS)**



| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|----------------|---------------|------|
| 16A / 10mA | 2p | A[G] | 2MU | 3112000740 | RCD1-2A-01601G | 8718959024146 | 6/60 |
| 25A / 10mA | 2p | A[G] | 2MU | 3112000760 | RCD1-2A-02501G | 8718959024160 | 6/60 |
| 40A / 10mA | 2p | A[G] | 2MU | 3112000800 | RCD1-2A-04001G | 8718959024207 | 6/60 |



**RCD1 – Type A[G], 2 pole, 30mA, 10kA,
SHORT-TERM DELAY (non-operation time of at least 10mS)**



| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|----------------|---------------|------|
| 16A / 30mA | 2p | A[G] | 2MU | 3112000750 | RCD1-2A-01603G | 8718959024153 | 6/60 |
| 25A / 30mA | 2p | A[G] | 2MU | 3112000770 | RCD1-2A-02503G | 8718959024177 | 6/60 |
| 40A / 30mA | 2p | A[G] | 2MU | 3112000810 | RCD1-2A-04003G | 8718959024214 | 6/60 |
| 63A / 30mA | 2p | A[G] | 2MU | 3112000840 | RCD1-2A-06303G | 8718959024245 | 6/60 |
| 80A / 30mA | 2p | A[G] | 2MU | 3112000870 | RCD1-2A-08003G | 8718959024276 | 6/60 |
| 100A / 30mA | 2p | A[G] | 2MU | 3112000900 | RCD1-2A-10003G | 8718959024306 | 6/60 |
| 125A / 30mA | 2p | A[G] | 2MU | 3112000930 | RCD1-2A-12503G | 8718959024337 | 6/60 |



**RCD1 – Type A[G], 2 pole, 100mA, 10kA,
SHORT-TERM DELAY (non-operation time of at least 10mS)**



| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|----------------|---------------|------|
| 25A / 100mA | 2p | A[G] | 2MU | 3112000780 | RCD1-2A-02510G | 8718959024184 | 6/60 |
| 40A / 100mA | 2p | A[G] | 2MU | 3112000820 | RCD1-2A-04010G | 8718959024221 | 6/60 |
| 63A / 100mA | 2p | A[G] | 2MU | 3112000850 | RCD1-2A-06310G | 8718959024252 | 6/60 |
| 80A / 100mA | 2p | A[G] | 2MU | 3112000880 | RCD1-2A-08010G | 8718959024283 | 6/60 |
| 100A / 100mA | 2p | A[G] | 2MU | 3112000910 | RCD1-2A-10010G | 8718959024313 | 6/60 |
| 125A / 100mA | 2p | A[G] | 2MU | 3112000940 | RCD1-2A-12510G | 8718959024344 | 6/60 |



**RCD1 – Type A[G], 2 pole, 30mA, 10kA,
SHORT-TERM DELAY (non-operation time of at least 10mS)**



| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|----------------|---------------|------|
| 25A / 300mA | 2p | A[G] | 2MU | 3112000790 | RCD1-2A-02530G | 8718959024191 | 6/60 |
| 40A / 300mA | 2p | A[G] | 2MU | 3112000830 | RCD1-2A-04030G | 8718959024238 | 6/60 |
| 63A / 300mA | 2p | A[G] | 2MU | 3112000860 | RCD1-2A-06330G | 8718959024269 | 6/60 |
| 80A / 300mA | 2p | A[G] | 2MU | 3112000890 | RCD1-2A-08030G | 8718959024290 | 6/60 |
| 100A / 300mA | 2p | A[G] | 2MU | 3112000920 | RCD1-2A-10030G | 8718959024320 | 6/60 |
| 125A / 300mA | 2p | A[G] | 2MU | 3112000950 | RCD1-2A-12530G | 8718959024351 | 6/60 |



**RCD1 - Type A[G], 4 pole, 30mA, 10kA,
SHORT-TERM DELAY (non-operation time of at least 10mS)**



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| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|----------------|---------------|------|
| 25A / 30mA | 4p | A[G] | 4MU | 3112000960 | RCD1-4A-02503G | 8718959024368 | 3/30 |
| 40A / 30mA | 4p | A[G] | 4MU | 3112001000 | RCD1-4A-04003G | 8718959024405 | 3/30 |
| 63A / 30mA | 4p | A[G] | 4MU | 3112001040 | RCD1-4A-06303G | 8718959024443 | 3/30 |
| 80A / 30mA | 4p | A[G] | 4MU | 3112001080 | RCD1-4A-08003G | 8718959024481 | 3/30 |
| 100A / 30mA | 4p | A[G] | 4MU | 3112001120 | RCD1-4A-10003G | 8718959024528 | 3/30 |
| 125A / 30mA | 4p | A[G] | 4MU | 3112001160 | RCD1-4A-12503G | 8718959024566 | 3/30 |

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**RCD1 - Type A[G], 4 pole, 100mA, 10kA,
SHORT-TERM DELAY (non-operation time of at least 10mS)**



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| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|----------------|---------------|------|
| 25A / 100mA | 4p | A[G] | 4MU | 3112000970 | RCD1-4A-02510G | 8718959024375 | 3/30 |
| 40A / 100mA | 4p | A[G] | 4MU | 3112001010 | RCD1-4A-04010G | 8718959024412 | 3/30 |
| 63A / 100mA | 4p | A[G] | 4MU | 3112001050 | RCD1-4A-06310G | 8718959024450 | 3/30 |
| 80A / 100mA | 4p | A[G] | 4MU | 3112001090 | RCD1-4A-08010G | 8718959024498 | 3/30 |
| 100A / 100mA | 4p | A[G] | 4MU | 3112001130 | RCD1-4A-10010G | 8718959024535 | 3/30 |
| 125A / 100mA | 4p | A[G] | 4MU | 3112001170 | RCD1-4A-12510G | 8718959024573 | 3/30 |

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**RCD1 - Type A[G], 4 pole, 300mA, 10kA,
SHORT-TERM DELAY (non-operation time of at least 10mS)**



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| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|----------------|---------------|------|
| 25A / 300mA | 4p | A[G] | 4MU | 3112000980 | RCD1-4A-02530G | 8718959024382 | 3/30 |
| 40A / 300mA | 4p | A[G] | 4MU | 3112001020 | RCD1-4A-04030G | 8718959024429 | 3/30 |
| 63A / 300mA | 4p | A[G] | 4MU | 3112001060 | RCD1-4A-06330G | 8718959024467 | 3/30 |
| 80A / 300mA | 4p | A[G] | 4MU | 3112001100 | RCD1-4A-08030G | 8718959024504 | 3/30 |
| 100A / 300mA | 4p | A[G] | 4MU | 3112001140 | RCD1-4A-10030G | 8718959024542 | 3/30 |
| 125A / 300mA | 4p | A[G] | 4MU | 3112001180 | RCD1-4A-12530G | 8718959024580 | 3/30 |

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**RCD1 - Type A[G], 4 pole, 500mA, 10kA,
SHORT-TERM DELAY (non-operation time of at least 10mS)**



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| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|----------------|---------------|------|
| 25A / 500mA | 4p | A[G] | 4MU | 3112000990 | RCD1-4A-02550G | 8718959024399 | 3/30 |
| 40A / 500mA | 4p | A[G] | 4MU | 3112001030 | RCD1-4A-04050G | 8718959024436 | 3/30 |
| 63A / 500mA | 4p | A[G] | 4MU | 3112001070 | RCD1-4A-06350G | 8718959024474 | 3/30 |
| 80A / 500mA | 4p | A[G] | 4MU | 3112001110 | RCD1-4A-08050G | 8718959024511 | 3/30 |
| 100A / 500mA | 4p | A[G] | 4MU | 3112001150 | RCD1-4A-10050G | 8718959024559 | 3/30 |
| 125A / 500mA | 4p | A[G] | 4MU | 3112001190 | RCD1-4A-12550G | 8718959024597 | 3/30 |

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**RCD1 – Type A[S], 2 pole, 100mA, 10kA,
SELECTIVE (non-operation time of at least 40ms)**



| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|----------------|---------------|------|
| 40A / 100mA | 2p | A[S] | 2MU | 3112000110 | RCD1-2A-04010S | 8718959023385 | 6/60 |
| 63A / 100mA | 2p | A[S] | 2MU | 3112000160 | RCD1-2A-06310S | 8718959023439 | 6/60 |
| 80A / 100mA | 2p | A[S] | 2MU | 3112000210 | RCD1-2A-08010S | 8718959023484 | 6/60 |
| 100A / 100mA | 2p | A[S] | 2MU | 3112000260 | RCD1-2A-10010S | 8718959023538 | 6/60 |
| 125A / 100mA | 2p | A[S] | 2MU | 3112000310 | RCD1-2A-12510S | 8718959023583 | 6/60 |



**RCD1 – Type A[S], 2 pole, 300mA, 10kA,
SELECTIVE (non-operation time of at least 40ms)**



| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|----------------|---------------|------|
| 40A / 300mA | 2p | A[S] | 2MU | 3112000120 | RCD1-2A-04030S | 8718959023392 | 6/60 |
| 63A / 300mA | 2p | A[S] | 2MU | 3112000170 | RCD1-2A-06330S | 8718959023446 | 6/60 |
| 80A / 300mA | 2p | A[S] | 2MU | 3112000220 | RCD1-2A-08030S | 8718959023491 | 6/60 |
| 100A / 300mA | 2p | A[S] | 2MU | 3112000270 | RCD1-2A-10030S | 8718959023545 | 6/60 |
| 125A / 300mA | 2p | A[S] | 2MU | 3112000320 | RCD1-2A-12530S | 8718959023590 | 6/60 |



**RCD1 – Type A[S], 4 pole, 100mA, 10kA,
SELECTIVE (non-operation time of at least 40ms)**



| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|----------------|---------------|------|
| 25A / 100mA | 4p | A[S] | 4MU | 3112000370 | RCD1-4A-02510S | 8718959023644 | 3/30 |
| 40A / 100mA | 4p | A[S] | 4MU | 3112000430 | RCD1-4A-04010S | 8718959023705 | 3/30 |
| 63A / 100mA | 4p | A[S] | 4MU | 3112000500 | RCD1-4A-06310S | 8718959023774 | 3/30 |
| 80A / 100mA | 4p | A[S] | 4MU | 3112000570 | RCD1-4A-08010S | 8718959023842 | 3/30 |
| 100A / 100mA | 4p | A[S] | 4MU | 3112000640 | RCD1-4A-10010S | 8718959023910 | 3/30 |
| 125A / 100mA | 4p | A[S] | 4MU | 3112000710 | RCD1-4A-12510S | 8718959023989 | 3/30 |



**RCD1 – Type A[S], 4 pole, 300mA, 10kA,
SELECTIVE (non-operation time of at least 40ms)**



| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|----------------|---------------|------|
| 25A / 300mA | 4p | A[S] | 4MU | 3112000380 | RCD1-4A-02530S | 8718959023651 | 3/30 |
| 40A / 300mA | 4p | A[S] | 4MU | 3112000440 | RCD1-4A-04030S | 8718959023712 | 3/30 |
| 63A / 300mA | 4p | A[S] | 4MU | 3112000510 | RCD1-4A-06330S | 8718959023781 | 3/30 |
| 80A / 300mA | 4p | A[S] | 4MU | 3112000580 | RCD1-4A-08030S | 8718959023859 | 3/30 |
| 100A / 300mA | 4p | A[S] | 4MU | 3112000650 | RCD1-4A-10030S | 8718959023927 | 3/30 |
| 125A / 300mA | 4p | A[S] | 4MU | 3112000720 | RCD1-4A-12530S | 8718959023996 | 3/30 |



**RCD1 – Type A[S], 4 pole, 500mA, 10kA,
SELECTIVE (non-operation time of at least 40ms)**



| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|----------------|---------------|------|
| 40A / 500mA | 4p | A[S] | 4MU | 3112000450 | RCD1-4A-04050S | 8718959023729 | 3/30 |
| 63A / 500mA | 4p | A[S] | 4MU | 3112000520 | RCD1-4A-06350S | 8718959023798 | 3/30 |
| 80A / 500mA | 4p | A[S] | 4MU | 3112000590 | RCD1-4A-08050S | 8718959023866 | 3/30 |
| 100A / 500mA | 4p | A[S] | 4MU | 3112000660 | RCD1-4A-10050S | 8718959023934 | 3/30 |
| 125A / 500mA | 4p | A[S] | 4MU | 3112000730 | RCD1-4A-12550S | 8718959024009 | 3/30 |



RCD1 – Type B, 2 pole, 30mA, 10kA



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| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|---------------|---------------|------|
| 25A / 30mA | 2p | B | 2MU | 3112001200 | RCD1-2B-02503 | 8718959024603 | 6/60 |
| 40A / 30mA | 2p | B | 2MU | 3112001230 | RCD1-2B-04003 | 8718959024634 | 6/60 |
| 63A / 30mA | 2p | B | 2MU | 3112001280 | RCD1-2B-06303 | 8718959024689 | 6/60 |
| 80A / 30mA | 2p | B | 2MU | 3112001330 | RCD1-2B-08003 | 8718959024733 | 6/60 |
| 100A / 30mA | 2p | B | 2MU | 3112001380 | RCD1-2B-10003 | 8718959024788 | 6/60 |
| 125A / 30mA | 2p | B | 2MU | 3112001430 | RCD1-2B-12503 | 8718959024832 | 6/60 |

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RCD1 – Type B, 2 pole, 100mA, 10kA



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EUR

| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|---------------|---------------|------|
| 25A / 100mA | 2p | B | 2MU | 3112001210 | RCD1-2B-02510 | 8718959024610 | 6/60 |
| 40A / 100mA | 2p | B | 2MU | 3112001240 | RCD1-2B-04010 | 8718959024641 | 6/60 |
| 63A / 100mA | 2p | B | 2MU | 3112001290 | RCD1-2B-06310 | 8718959024696 | 6/60 |
| 80A / 100mA | 2p | B | 2MU | 3112001340 | RCD1-2B-08010 | 8718959024740 | 6/60 |
| 100A / 100mA | 2p | B | 2MU | 3112001390 | RCD1-2B-10010 | 8718959024795 | 6/60 |
| 125A / 100mA | 2p | B | 2MU | 3112001440 | RCD1-2B-12510 | 8718959024849 | 6/60 |

SEP
EUROPE

RCD1 – Type B, 2 pole, 300mA, 10kA



KEMA
EUR

| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|---------------|---------------|------|
| 25A / 300mA | 2p | B | 2MU | 3112001220 | RCD1-2B-02530 | 8718959024627 | 6/60 |
| 40A / 300mA | 2p | B | 2MU | 3112001250 | RCD1-2B-04030 | 8718959024658 | 6/60 |
| 63A / 300mA | 2p | B | 2MU | 3112001300 | RCD1-2B-06330 | 8718959024702 | 6/60 |
| 80A / 300mA | 2p | B | 2MU | 3112001350 | RCD1-2B-08030 | 8718959024757 | 6/60 |
| 100A / 300mA | 2p | B | 2MU | 3112001400 | RCD1-2B-10030 | 8718959024801 | 6/60 |
| 125A / 300mA | 2p | B | 2MU | 3112001450 | RCD1-2B-12530 | 8718959024856 | 6/60 |

SEP
EUROPE

RCD1 – Type B, 4 pole, 30mA, 10kA



| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|---------------|---------------|------|
| 25A / 30mA | 4p | B | 4MU | 3112001480 | RCD1-4B-02503 | 8718959024887 | 3/30 |
| 40A / 30mA | 4p | B | 4MU | 3112001540 | RCD1-4B-04003 | 8718959024948 | 3/30 |
| 63A / 30mA | 4p | B | 4MU | 3112001610 | RCD1-4B-06303 | 8718959025013 | 3/30 |
| 80A / 30mA | 4p | B | 4MU | 3112001680 | RCD1-4B-08003 | 8718959025082 | 3/30 |
| 100A / 30mA | 4p | B | 4MU | 3112001750 | RCD1-4B-10003 | 8718959025150 | 3/30 |
| 125A / 30mA | 4p | B | 4MU | 3112001820 | RCD1-4B-12503 | 8718959025228 | 3/30 |



RCD1 – Type B, 4 pole, 100mA, 10kA



| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|---------------|---------------|------|
| 25A / 100mA | 4p | B | 4MU | 3112001490 | RCD1-4B-02510 | 8718959024894 | 3/30 |
| 40A / 100mA | 4p | B | 4MU | 3112001550 | RCD1-4B-04010 | 8718959024955 | 3/30 |
| 63A / 100mA | 4p | B | 4MU | 3112001620 | RCD1-4B-06310 | 8718959025020 | 3/30 |
| 80A / 100mA | 4p | B | 4MU | 3112001690 | RCD1-4B-08010 | 8718959025099 | 3/30 |
| 100A / 100mA | 4p | B | 4MU | 3112001760 | RCD1-4B-10010 | 8718959025167 | 3/30 |
| 125A / 100mA | 4p | B | 4MU | 3112001830 | RCD1-4B-12510 | 8718959025235 | 3/30 |



RCD1 – Type B, 4 pole, 300mA, 10kA



| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|---------------|---------------|------|
| 25A / 300mA | 4p | B | 4MU | 3112001500 | RCD1-4B-02530 | 8718959024900 | 3/30 |
| 40A / 300mA | 4p | B | 4MU | 3112001560 | RCD1-4B-04030 | 8718959024962 | 3/30 |
| 63A / 300mA | 4p | B | 4MU | 3112001630 | RCD1-4B-06330 | 8718959025037 | 3/30 |
| 80A / 300mA | 4p | B | 4MU | 3112001700 | RCD1-4B-08030 | 8718959025105 | 3/30 |
| 100A / 300mA | 4p | B | 4MU | 3112001770 | RCD1-4B-10030 | 8718959025174 | 3/30 |
| 125A / 300mA | 4p | B | 4MU | 3112001840 | RCD1-4B-12530 | 8718959025242 | 3/30 |



RCD1 – Type B, 4 pole, 500mA, 10kA



| Rated current | Pole | Type | Width | Article no. | Type | EAN code | Pack |
|---------------|------|------|-------|-------------|---------------|---------------|------|
| 25A / 500mA | 4p | B | 4MU | 3112001510 | RCD1-4B-02550 | 8718959024917 | 3/30 |
| 40A / 500mA | 4p | B | 4MU | 3112001570 | RCD1-4B-04050 | 8718959024979 | 3/30 |
| 63A / 500mA | 4p | B | 4MU | 3112001640 | RCD1-4B-06350 | 8718959025044 | 3/30 |
| 80A / 500mA | 4p | B | 4MU | 3112001710 | RCD1-4B-08050 | 8718959025112 | 3/30 |
| 100A / 500mA | 4p | B | 4MU | 3112001780 | RCD1-4B-10050 | 8718959025181 | 3/30 |
| 125A / 500mA | 4p | B | 4MU | 3112001850 | RCD1-4B-12550 | 8718959025259 | 3/30 |



RCCB – RCD, Auxiliary contact

| Function | Contacts | Width | Article no. | Type | EAN code | Packing |
|-----------|----------|--------|-------------|---------|---------------|---------|
| Auxiliary | 1 CO | 1/2 MU | 3105300001 | RCD-AUX | 8718959015663 | 20/240 |



Wiring diagram



General parameters

| |
|--|
| High breaking capacity up to 10kA |
| Indication window for RCCB fault |
| With handle lock to protect for error operation |
| With protective cover for terminal screw and seal function |
| RCCB should be tested regularly with a period of one month, this is the responsibility of the user of an installation given by law |

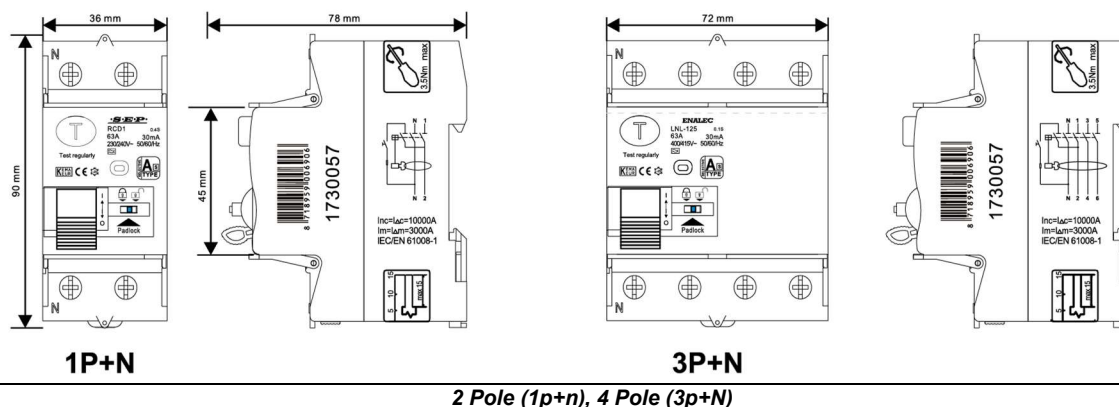
Electrical parameters

| | | Type A | Type A[G] | Type A[S] | Type B |
|---------------------------------------|------------------|-------------------------------------|--------------------------------|--------------------------------|---------------------------------|
| Tested according | | IEC/EN 61008-1 | | | IEC/EN 61008-1 + IEC/EN 62423 |
| Rated operational voltage | U _e | 240/415 VAC | | | |
| Maximum working voltage | U _{max} | 254/440VAC | | | |
| Minimum working voltage | U _{min} | 0VAC | | | 0V for A+AC < 50V for B part |
| Minimum working voltage test button | | 90VAC | | | |
| Maximum working voltage test button | | 240VAC | | | |
| Rated frequency | | 50/60Hz | | | |
| Rated breaking capacity | I _{nc} | 10 kA | | | |
| Poles | | 2p (1p+n), 4p (3p+n) | | | |
| Rated current | I _n | 16A, 25A, 40A, 63A, 80A, 100A, 125A | 25A, 40A, 63A, 80A, 100A, 125A | 25A, 40A, 63A, 80A, 100A, 125A | 25A, 40A, 63A, 80A, 100A, 125A |
| Residual current | | 10, 30, 100, 300, 500mA | 100, 300, 500mA | 30, 100, 300, 500mA | 30, 100, 300, 500mA |
| DC component | | ≤ 6mA | | | ≥ 6mA |
| Waveform | | A + AC | | A + AC | B + A + AC |
| Time delay | | Non-delayed | Short term delay | Selective | Non-delayed |
| Tripping times | I _n | ≤ 300ms | 10-300ms | 130-500ms | ≤ 300ms |
| | 2I _n | ≤ 150ms | 10-150ms | 60-200ms | ≤ 150ms |
| | 5I _n | ≤ 40ms | 10-40ms | 50-150ms | ≤ 40ms |
| | 500A | ≤ 40ms | 10-40ms | 40-150ms | ≤ 40ms |
| Rated isolation voltage | U _i | 500V | | | |
| Rated impulse withstand voltage | U _{imp} | 6 kV | | | |
| Rated making and breaking capacity | I _m | 3000A | | | |
| Residual making and breaking capacity | I _{dm} | 3000A | | | |
| Electrical service life | | 4 000 operations cycles | | | |
| Mechanical service life | | 20 000 operations cycles | | | |
| Backup fuse for overload | 16A | Max. 25A gG | | | |
| | 25A | Max. 25A gG | | | |
| | 40A | Max. 35A gG | | | |
| | 63A | Max. 50A gG | | | |
| | 80A | Max. 63A gG | | | |
| | 100A | Max. 80A gG | | | |
| | 125A | Max. 100A gG | | | |
| Backup fuse for short circuit | | Max. 125 A gG | | | |
| Line voltage connection | | Arbitrary (above or below) | | | |

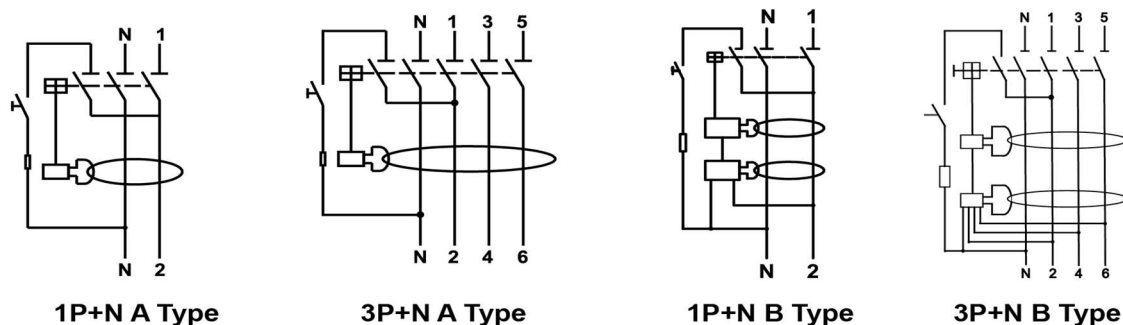
Mechanical parameters

| | |
|---|--|
| Device width | 36mm (2 pole) / 72mm (4 pole) |
| Device height | 90mm |
| Device depth | 72mm |
| Mounting | Easy fastening onto 35mm device rail (DIN) |
| Degree of protection (all sides) | IP40 |
| Degree of protection (connection terminals) | IP20 |
| Connection possibility | Cable / busbar |
| Terminals | Combined lift + open mouthed |
| Terminal capacity | 4-50mm ² (solid) 4-35mm ² (cord-end) |
| Fastening torque of terminals | 3.5Nm |
| Busbar connection | Fork/Pin type |
| Busbar thickness | 10mm ² , 16mm ² , 30mm ² |
| Storage temperature | -25°C + 70°C |
| Reference temperature | 30°C |
| Ambient temperature | -25°C + 40°C (with daily average < 35°C) |
| Altitude | < 2.000m (70 to 106kPa) |
| Resistance to humidity and heat | Class 2 |
| Installation class | III |
| Pollution degree | 2 |
| Weight | 0,28 kg (2-pole), 0,44 kg (4-pole) |

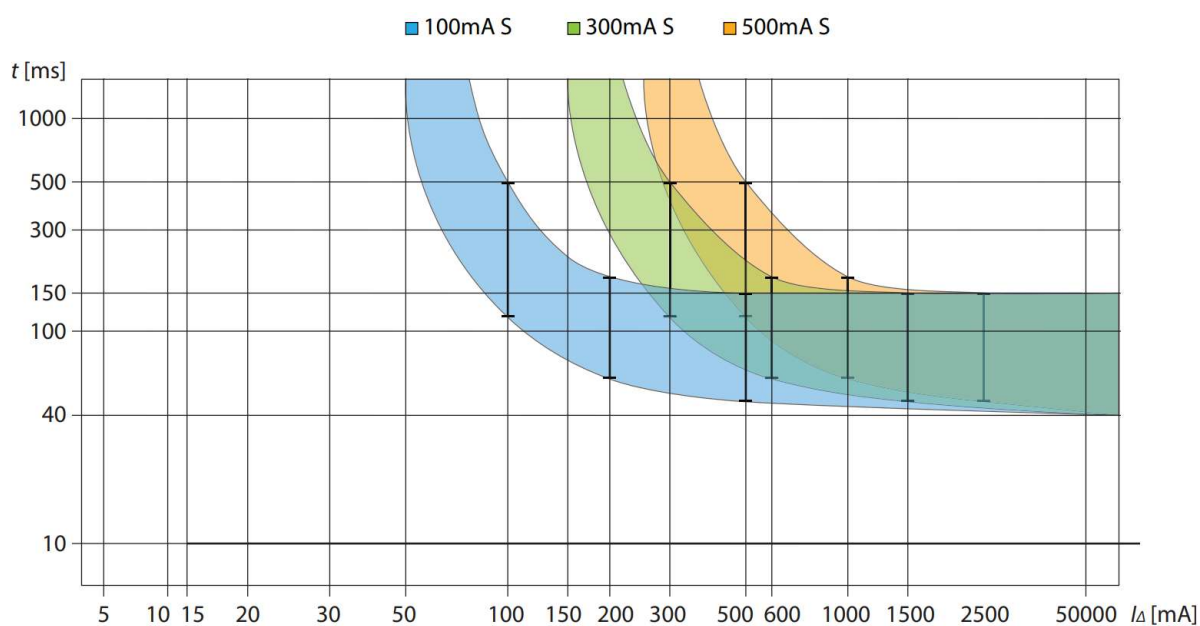
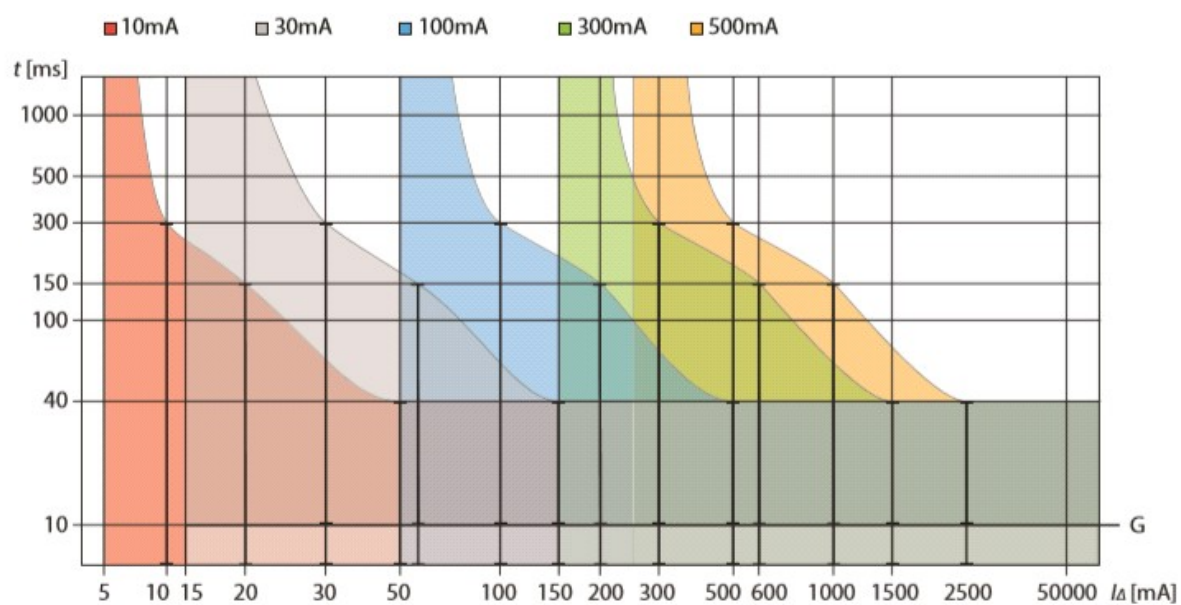
Dimensions



Wiring diagrams



Tripping tables



- Type A[G] is at present not available

Power loss

| | | In [A] | 2 pole (1p+n) | 4 pole (3p+n) |
|-------|------|---------------------|---------------|---------------|
| P [W] | 16A | 10mA | 0,95 | - |
| | | 30mA | 0,62 | - |
| | 25A | 10mA | 2,33 | - |
| | | 30, 100, 300, 500mA | 1,50 | 3,00 |
| | 40A | 10mA | 5,95 | - |
| | | 30, 100, 300, 500mA | 3,84 | 7,68 |
| | 63A | 30, 100, 300, 500mA | 9,53 | 19,05 |
| | 80A | 30, 100, 300, 500mA | 9,60 | 19,20 |
| | 100A | 30, 100, 300, 500mA | 15,0 | 30,00 |
| | 125A | 30, 100, 300, 500mA | 24,44 | 46,88 |

2 Pole (1p+n), 4 Pole (3p+N)

Temperature correction

| Temperature | Rated current | | | | | | |
|-------------|---------------|-----|-----|-----|-----|------|------|
| | 16A | 25A | 40A | 63A | 80A | 100A | 125A |
| 30 °C | 16 | 25 | 40 | 63 | 80 | 100 | 125 |
| 40 °C | 16 | 25 | 40 | 63 | 80 | 100 | 125 |
| 45 °C | 15 | 22 | 37 | 59 | 76 | 95 | 118 |
| 50 °C | 14 | 19 | 34 | 55 | 72 | 90 | 109 |
| 55 °C | 13 | 16 | 31 | 50 | 68 | 85 | 100 |
| 60 °C | - | - | 27 | 45 | 64 | 80 | 91 |

*** Note:**

Operations at temperatures below -5 °C a higher value of tripping current threshold is permissible (1.25 I_{Δn}). The earth impedance has to be lowered to 80% of what is specified.

2 Pole (1p+n), 4 Pole (3p+N)
