




|   |   |   |
|---|---|---|
| Rated current =<br>rated uninterrupted<br>current<br>$I_n = I_u$<br><br>A | Setting range   |   |
|   | Overload releases   | Short-circuit releases  |
|   | $I_r$<br><br>A<br> | $I_i$<br><br>A<br> |

|  |                         |  |                         |
|--|-------------------------|--|-------------------------|
| Basic switching capacity 25 kA at 415 V 50/60 Hz |                         | Comfort switching capacity 36 kA at 415 V 50/60 Hz |                         |
| Part no.<br>Article no.                          | Price<br>see price list | Part no.<br>Article no.                            | Price<br>see price list |


Protection of systems and cables

3 pole

Terminals standard, terminal screws as accessories

|   |     |           |            |                      |                      |
|---|-----|-----------|------------|----------------------|----------------------|
|  | 20  | 15...20   | 350        | NZMB1-A20<br>280987  | NZMC1-A20<br>283293  |
|   | 25  | 20...25   | 350        | NZMB1-A25<br>280988  | NZMC1-A25<br>283294  |
|   | 32  | 25...32   | 350        | NZMB1-A32<br>280989  | NZMC1-A32<br>283295  |
|   | 40  | 32...40   | 320...400  | NZMB1-A40<br>259075  | NZMC1-A40<br>271392  |
|   | 50  | 40...50   | 300...500  | NZMB1-A50<br>259076  | NZMC1-A50<br>271393  |
|   | 63  | 50...63   | 380...630  | NZMB1-A63<br>259077  | NZMC1-A63<br>271394  |
|   | 80  | 63...80   | 480...800  | NZMB1-A80<br>259078  | NZMC1-A80<br>271395  |
|   | 100 | 80...100  | 600...1000 | NZMB1-A100<br>259079 | NZMC1-A100<br>271396 |
|   | 125 | 100...125 | 750...1250 | NZMB1-A125<br>259080 | NZMC1-A125<br>271397 |
|   | 160 | 125...160 | 1280       | NZMB1-A160<br>281230 | NZMC1-A160<br>283296 |

Terminal screws standard, terminals as accessories

|   |     |           |             |                      |                      |
|---|-----|-----------|-------------|----------------------|----------------------|
|  | 20  | 15...20   | 350         |                      |                      |
|   | 25  | 20...25   | 350         |                      |                      |
|   | 32  | 25...32   | 350         |                      |                      |
|   | 40  | 32...40   | 320...400   |                      |                      |
|   | 50  | 40...50   | 300...500   |                      |                      |
|   | 63  | 50...63   | 380...630   |                      |                      |
|   | 80  | 63...80   | 480...800   |                      |                      |
|   | 100 | 80...100  | 600...1000  |                      |                      |
|   | 125 | 100...125 | 750...1250  |                      |                      |
|   | 160 | 125...160 | 960...1600  | NZMB2-A160<br>259088 | NZMC2-A160<br>271421 |
|   | 200 | 160...200 | 1200...2000 | NZMB2-A200<br>259089 | NZMC2-A200<br>271422 |
|   | 250 | 200...250 | 1500...2500 | NZMB2-A250<br>259090 | NZMC2-A250<br>271423 |

Notes Notes for terminals → 10/47

|   |                         |  |                         |
|---|-------------------------|--|-------------------------|
| Normal switching capacity 50 kA at 415 V 50/60 Hz |                         | High switching capacity 100 kA <sup>1)</sup> /150 kA <sup>2)</sup> at 415 V 50/60 Hz |                         |
| Part no.<br>Article no.                           | Price<br>see price list | Part no.<br>Article no.  | Price<br>see price list |

Std. pack Notes

|                      |                      |       |  |
|----------------------|----------------------|-------|--|
| NZMN1-A20<br>281231  | NZMH1-A20<br>284376  | 1 off | IEC/EN 60947-2<br>Adjustable overload releases $I_r$<br>• $0.8 - 1 \times I_n$ (ex-works $0.8 \times I_n$ )<br>Adjustable short-circuit releases $I_i$<br>• $6 - 10 \times I_n$ (ex-works $6 \times I_n$ )<br>– NZM...A40: $8 - 10 \times I_n$ (ex-works $8 \times I_n$ )<br>Fixed short-circuit release $I_i$<br>• 350 A at $I_n = 20 - 32$ A<br>• 1280 A at $I_n = 160$ A (NZM1)<br><sup>1)</sup> valid for NZM1<br><sup>2)</sup> valid for NZM2 |
| NZMN1-A25<br>281232  | NZMH1-A25<br>284377  |       |  |
| NZMN1-A32<br>281233  | NZMH1-A32<br>284378  |       |  |
| NZMN1-A40<br>259081  | NZMH1-A40<br>284379  |       |  |
| NZMN1-A50<br>259082  | NZMH1-A50<br>284410  |       |  |
| NZMN1-A63<br>259083  | NZMH1-A63<br>284411  |       |  |
| NZMN1-A80<br>259084  | NZMH1-A80<br>284412  |       |  |
| NZMN1-A100<br>259085 | NZMH1-A100<br>284413 |       |  |
| NZMN1-A125<br>259086 | NZMH1-A125<br>284414 |       |  |
| NZMN1-A160<br>281234 | NZMH1-A160<br>284415 |       |  |

|                      |                      |       |  |
|----------------------|----------------------|-------|--|
|                      | NZMH2-A20<br>281281  | 1 off |  |
|                      | NZMH2-A25<br>281282  |       |  |
|                      | NZMH2-A32<br>281283  |       |  |
|                      | NZMH2-A40<br>259095  |       |  |
|                      | NZMH2-A50<br>259096  |       |  |
|                      | NZMH2-A63<br>259097  |       |  |
|                      | NZMH2-A80<br>259098  |       |  |
|                      | NZMH2-A100<br>259099 |       |  |
|                      | NZMH2-A125<br>259100 |       |  |
| NZMN2-A160<br>259092 | NZMH2-A160<br>259101 |       |  |
| NZMN2-A200<br>259093 | NZMH2-A200<br>259102 |       |  |
| NZMN2-A250<br>259094 | NZMH2-A250<br>259103 |       |  |



NZM...3, NZM...4

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Normal switching capacity 50 kA at 415 V 50/60 Hz

Rated current = rated uninterrupted current

Setting range

Overload releases

Short-circuit releases

Non-delayed

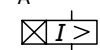
Delayed short-circuit release

$I_n = I_u$   
A

$I_r$   
A

$I_i$   
A

$I_{sd}$   
A



Part no.  
Article no.

Price  
see price list

Protection of systems and cables

3 pole

Terminal screws standard, terminals as accessories

|  |      |            |              |  |                               |  |
|--|------|------------|--------------|--|-------------------------------|--|
|  | 250  | 125...250  | 500...2750   |  | <b>NZMN3-AE250</b><br>259113  |  |
|  | 400  | 200...400  | 800...4400   |  | <b>NZMN3-AE400</b><br>259114  |  |
|  | 630  | 315...630  | 1260...5040  |  | <b>NZMN3-AE630</b><br>259115  |  |
|  | 630  | 315...630  | 1260...7560  |  | <b>NZMN4-AE630</b><br>265758  |  |
|  | 800  | 400...800  | 1600...9600  |  | <b>NZMN4-AE800</b><br>265759  |  |
|  | 1000 | 500...1000 | 2000...12000 |  | <b>NZMN4-AE1000</b><br>265760 |  |
|  | 1250 | 630...1250 | 2500...15000 |  | <b>NZMN4-AE1250</b><br>265761 |  |
|  | 1600 | 800...1600 | 3200...19200 |  | <b>NZMN4-AE1600</b><br>265762 |  |

Systems and cable protection, selectivity and generator protection

3 pole

Terminal screws standard, terminals as accessories

|  |      |             |              |              |   |  |
|--|------|-------------|--------------|--------------|---|--|
|  | 100  | 50...100    | 1200         | 100...1000   | <b>NZMN2-VE100</b><br>259122                  |  |
|  | 160  | 80...160    | 1920         | 160...1600   | <b>NZMN2-VE160</b><br>259123                  |  |
|  | 250  | 125...250   | 3000         | 250...2500   | <b>NZMN2-VE250</b><br>259124                  |  |
|  | 250  | 125...250   | 500...2750   | 250...2500   | <b>NZMN3-VE250</b><br>259131                  |  |
|  | 400  | 200...400   | 800...4400   | 400...4000   | <b>NZMN3-VE400</b><br>259132                  |  |
|  | 630  | 315...630   | 1260...5040  | 472...4410   | <b>NZMN3-VE630</b><br>259133                  |  |
|  | 630  | 315...630   | 1260...7560  | 630...6300   | <b>NZMN4-VE630</b><br>265768                  |  |
|  | 800  | 400...800   | 1600...9600  | 800...8000   | <b>NZMN4-VE800</b><br>265769                  |  |
|  | 1000 | 500...1000  | 2000...12000 | 1000...10000 | <b>NZMN4-VE1000</b><br>265770                 |  |
|  | 1250 | 630...1250  | 2500...15000 | 1250...12500 | <b>NZMN4-VE1250</b><br>265771                 |  |
|  | 1600 | 800...1600  | 3200...19200 | 1600...16000 | <b>NZMN4-VE1600</b><br>265772                 |  |
|  | 2000 | 1000...2000 | 4000...16000 | 2000...12000 | <b>NZMN4-VE2000<sup>2) 3)</sup></b><br>107274 |  |

Notes

Notes for terminals → 10/55

<sup>1)</sup> High switching capacity for NZMH4-VE...: 85 kA; please enquire for higher switching capacities.

<sup>2)</sup> please enquire.

<sup>3)</sup> cannot be used as withdrawable.

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NZM...3, NZM...4



High switching capacity 150 kA<sup>1)</sup> at 415 V 50/60 Hz

Part no.  
Article no.

Price  
see price list

Std. pack

Notes

|                               |       |   |
|-------------------------------|-------|---|
| <b>NZMH3-AE250</b><br>259116  | 1 off | IEC/EN 60947-2  |
| <b>NZMH3-AE400</b><br>259117  |       | Adjustable overload releases $I_r$                                  |
| <b>NZMH3-AE630</b><br>259118  |       | • $0.5 - 1 \times I_n$ (ex-works $0.8 \times I_n$ )                 |
| <b>NZMH4-AE630</b><br>265763  |       | R.m.s. value measurement and "thermal memory"                       |
| <b>NZMH4-AE800</b><br>265764  |       | Adjustable short-circuit releases $I_i$                             |
| <b>NZMH4-AE1000</b><br>265765 |       | • NZM...3-AE250/400: $2 - 11 \times I_n$ (ex-works $6 \times I_n$ ) |
| <b>NZMH4-AE1250</b><br>265766 |       | • NZM...3-AE630: $2 - 8 \times I_n$ (ex-works $6 \times I_n$ )      |
| <b>NZMH4-AE1600</b><br>265767 |       | • NZM...4-AE...: $2 - 12 \times I_n$ (ex-works $6 \times I_n$ )     |

|   |       |   |
|---|-------|---|
| <b>NZMH2-VE100</b><br>259125                  | 1 off | IEC/EN 60947-2  |
| <b>NZMH2-VE160</b><br>259126                  |       | Adjustable overload releases $I_r$  |
| <b>NZMH2-VE250</b><br>259127                  |       | • $0.5 - 1 \times I_n$ (ex-works $0.8 \times I_n$ )   |
| <b>NZMH3-VE250</b><br>259134                  |       | R.m.s. value measurement and "thermal memory"   |
| <b>NZMH3-VE400</b><br>259135                  |       | Adjustable time delay setting to overcome current peaks $t_r$   |
| <b>NZMH3-VE630</b><br>259136                  |       | • $2 \dots 20$ s with $6 \times I_r$ as well as infinity (without overload release) (ex-factory 10 s) |
| <b>NZMH4-VE630</b><br>265773                  |       | – NZM...4-VE2000: $2 \dots 10$ s at $6 \times I_r$ also infinity (ex-works 10 s)                      |
| <b>NZMH4-VE800</b><br>265774                  |       | Adjustable delayed short-circuit releases $I_{sd}$  |
| <b>NZMH4-VE1000</b><br>265775                 |       | • $2 - 10 \times I_r$ (ex-works $6 \times I_r$ )  |
| <b>NZMH4-VE1250</b><br>265776                 |       | – NZM...3-VE630: $1.5 - 7 \times I_r$ (ex-works $6 \times I_r$ )                                      |
| <b>NZMH4-VE1600</b><br>265777                 |       | – NZM...4-VE2000: $2 - 6 \times I_r$ (ex-works $6 \times I_r$ )                                       |
| <b>NZMH4-VE2000<sup>2) 3)</sup></b><br>101400 |       | Adjustable delay time $t_{sd}$  |
|   |       | • Steps: 0, 20, 60, 100, 200, 300, 500, 750, 1000 ms (ex-works 0 ms)                                  |
|   |       | Adjustable non-delayed short-circuit releases $I_i$   |
|   |       | • NZM2 fixed $12 \times I_n$  |
|   |       | • NZM...3-VE250/400: $2 - 11 \times I_n$ (ex-works $6 \times I_n$ )                                   |
|   |       | • NZM...3-VE630: $2 - 8 \times I_n$ (ex-works $6 \times I_n$ )  |
|   |       | • NZM...4-VE...: $2 - 12 \times I_n$ (ex-works $12 \times I_n$ )                                      |
|   |       | • NZM...4-VE2000: $2 - 8 \times I_n$ (ex-works $8 \times I_n$ )                                       |
|   |       | $i^2t$ constant function  |
|   |       | • NZM2 fixed OFF  |
|   |       | • NZM3, NZM4 switched (ex-works OFF)  |

Rated current = rated uninterrupted current

Setting range

Overload releases

Short-circuit releases

Basic switching capacity 25 kA at 415 V 50/60 Hz

Part no. Article no.

Price see price list

Normal switching capacity 50 kA at 415 V 50/60 Hz

Part no. Article no.

Price see price list

$I_n = I_u$

Main pole

Neutral conductor

$I_i$

A

A

A

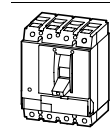
A



Protection of systems and cables

4 pole

Terminal screws standard, terminals as accessories



|     |           |           |             |                            |                            |
|-----|-----------|-----------|-------------|----------------------------|----------------------------|
| 20  | 15...20   | 15...20   | 350         |                            |                            |
| 25  | 20...25   | 20...25   | 350         |                            |                            |
| 32  | 25...32   | 25...32   | 350         |                            |                            |
| 40  | 32...40   | 32...40   | 320...400   |                            |                            |
| 50  | 40...50   | 40...50   | 300...500   |                            |                            |
| 63  | 50...63   | 50...63   | 380...630   |                            |                            |
| 80  | 63...80   | 63...80   | 480...800   |                            |                            |
| 100 | 80...100  | 80...100  | 600...1000  |                            |                            |
| 125 | 100...125 | 100...125 | 750...1250  |                            |                            |
| 160 | 125...160 | 125...160 | 960...1600  | NZMB2-4-A160<br>265849     | NZMN2-4-A160<br>265860     |
| 160 | 125...160 | 80...100  | 960...1600  | NZMB2-4-A160/100<br>265850 | NZMN2-4-A160/100<br>265861 |
| 200 | 160...200 | 160...200 | 1200...2000 | NZMB2-4-A200<br>265852     | NZMN2-4-A200<br>265863     |
| 200 | 160...200 | 100...125 | 1200...2000 | NZMB2-4-A200/125<br>265853 | NZMN2-4-A200/125<br>265864 |
| 250 | 200...250 | 200...250 | 1500...2500 | NZMB2-4-A250<br>265855     | NZMN2-4-A250<br>265866     |
| 250 | 200...250 | 125...160 | 1500...2500 | NZMB2-4-A250/160<br>265856 | NZMN2-4-A250/160<br>265867 |

Notes

Notes for terminals → 10/51

High switching capacity 150 kA at 415 V 50/60 Hz

Part no. Article no.

Price see price list

Std. pack

Notes

|                            |  |  |  |
|----------------------------|--|--|--|
| NZMH2-4-A20<br>281287      |  |  |  |
| NZMH2-4-A25<br>281289      |  |  |  |
| NZMH2-4-A32<br>281291      |  |  |  |
| NZMH2-4-A40<br>265823      |  |  |  |
| NZMH2-4-A50<br>265825      |  |  |  |
| NZMH2-4-A63<br>265827      |  |  |  |
| NZMH2-4-A80<br>265829      |  |  |  |
| NZMH2-4-A100<br>265831     |  |  |  |
| NZMH2-4-A125<br>265833     |  |  |  |
| NZMH2-4-A160<br>265871     |  |  |  |
| NZMH2-4-A160/100<br>265872 |  |  |  |
| NZMH2-4-A200<br>265874     |  |  |  |
| NZMH2-4-A200/125<br>265875 |  |  |  |
| NZMH2-4-A250<br>265877     |  |  |  |
| NZMH2-4-A250/160<br>265878 |  |  |  |

1 off

IEC/EN 60947-2

Adjustable overload releases  $I_r$   
•  $0.8 - 1 \times I_n$  (ex-works  $0.8 \times I_n$ )

Setting on neutral pole implemented via the main pole setting  $I_r$  of the main pole.

Adjustable short-circuit releases  $I_i$   
•  $6 - 10 \times I_n$  (ex-works  $6 \times I_n$ )

Fixed short-circuit release  $I_i$   
• 350 A at  $I_n = 20 - 32$  A

NZM...2-4-A...

- With 100 % overload and short-circuit protection in 4th pole
- With 60 % overload and short-circuit protection in 4th pole



NZM...1

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Rated current = rated uninterrupted current

Setting range

$I_n = I_u$

Overload releases

Short-circuit releases

A

Main pole

Neutral conductor

$I_r$

$I_r$

$I_i$

A

A

A



Basic switching capacity 25 kA at 415 V 50/60 Hz

Part no. Article no. Price see price list

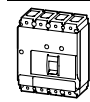
Normal switching capacity 50 kA at 415 V 50/60 Hz

Part no. Article no. Price see price list

Protection of systems and cables

4 pole

Terminals standard, terminal screws as accessories



|     |           |           |            |
|-----|-----------|-----------|------------|
| 20  | 15...20   | 15...20   | 350        |
| 25  | 20...25   | 20...25   | 350        |
| 32  | 25...32   | 25...32   | 350        |
| 40  | 32...40   | 32...40   | 320...400  |
| 50  | 40...50   | 40...50   | 300...500  |
| 63  | 50...63   | 50...63   | 380...630  |
| 80  | 63...80   | 63...80   | 480...800  |
| 100 | 80...100  | 80...100  | 600...1000 |
| 125 | 100...125 | 100...125 | 750...1250 |
| 160 | 125...160 | 125...160 | 1280       |

|                        |                        |
|------------------------|------------------------|
| NZMB1-4-A20<br>281237  | NZMN1-4-A20<br>281245  |
| NZMB1-4-A25<br>281239  | NZMN1-4-A25<br>281247  |
| NZMB1-4-A32<br>281241  | NZMN1-4-A32<br>281249  |
| NZMB1-4-A40<br>265799  | NZMN1-4-A40<br>265811  |
| NZMB1-4-A50<br>265801  | NZMN1-4-A50<br>265813  |
| NZMB1-4-A63<br>265803  | NZMN1-4-A63<br>265815  |
| NZMB1-4-A80<br>265805  | NZMN1-4-A80<br>265817  |
| NZMB1-4-A100<br>265807 | NZMN1-4-A100<br>265819 |
| NZMB1-4-A125<br>265809 | NZMN1-4-A125<br>265821 |
| NZMB1-4-A160<br>281243 | NZMN1-4-A160<br>281251 |

Notes

Notes for terminals → 10/47



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NZM...1



High switching capacity 100 kA at 415 V 50/60 Hz

Part no. Article no. Price see price list

Std. pack Notes

|                        |       |   |
|------------------------|-------|---|
| NZMH1-4-A20<br>284416  | 1 off | IEC/EN 60947-2<br><br>Adjustable overload releases $I_r$<br>• $0.8 - 1 \times I_n$ (ex-works $0.8 \times I_n$ )<br><br>Setting on neutral pole implemented via the main pole setting $I_r$ of the main pole.<br><br>Adjustable short-circuit releases $I_i$<br>• $6 - 10 \times I_n$ (ex-works $6 \times I_n$ )<br>– NZM...1-4-A40: $8 - 10 \times I_n$ (ex-works $8 \times I_n$ )<br><br>Fixed short-circuit release $I_i$<br>• 350 A at $I_n = 20 - 32$ A<br>• 1280 A at $I_n = 160$ A ( $8 \times I_n$ )<br><br>NZM...1-4-A...<br>• With 100 % overload and short-circuit protection in 4th pole |
| NZMH1-4-A25<br>284418  |       |   |
| NZMH1-4-A32<br>284420  |       |   |
| NZMH1-4-A40<br>284422  |       |   |
| NZMH1-4-A50<br>284424  |       |   |
| NZMH1-4-A63<br>284426  |       |   |
| NZMH1-4-A80<br>284428  |       |   |
| NZMH1-4-A100<br>284430 |       |   |
| NZMH1-4-A125<br>284432 |       |   |
| NZMH1-4-A160<br>284434 |       |   |

