



URM-Sicherungen

Sicherungseinsätze mit Messerkontakten

URM Fuses

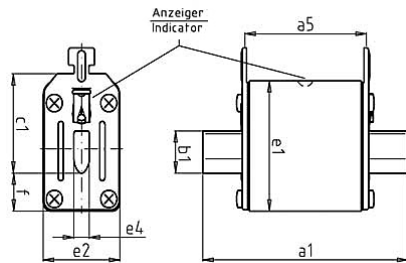
Fuse-links with knife contacts

Technische Daten nach Baureihen /
Technical Data Types of Fuses

Technische Daten Sicherungs-Unterteile /
Technical Data Fuse Bases

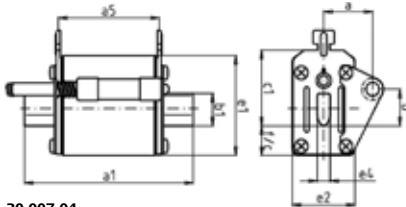
500 V

NH 000 / 00



20 000 04

20 001 04



20 007 04

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

Betriebsklasse / Class
gR / aR

IEC 60 269-4
VDE 0636-4

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Länge Length | | | | | | | | | | | |
|--|---------------------------|---------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|----|----|----|----|
| | | | a ₅ | a ₁ | b ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ | a | b | c | |
| V | | | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 500 | 20 000 04 | 000 | 47 | 78 | 15 | 6 | 40,5 | 20,5 | 7 | 35 | | | | |
| | 20 001 04 | 00 | 47 | 78 | 15 | 6 | 46 | 29,5 | 13 | 35 | | | | |
| | 20 007 04 | 00 | | | | | | | | | 23 | 17 | 13 | |

Bemessungsausschaltvermögen / Rated breaking capacity 120 kA

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Vol- tage | Schmelz- integral Pre-Arcing I ² t-Value | Ausschalt- integral Total I ² t-Value | Leistungs- abgabe Power Loss |
|----------------------------------|--|---|-------------------|------------------------------|---|--|---|---------------------------------------|
| | mit Kombimelder* with combi indicator | mit Signalmelder with signal indicator | | | | | | |
| | A | kg / 1 | | | | | | |
| 6 | 20 000 04.6 | - | 0,12/0,19 | gR | 500 | 0.72 | 10 | 2,7 |
| 10 | 20 000 04.10 | - | 0,12/0,19 | gR | 500 | 3 | 42 | 2,6 |
| 16 | 20 000 04.16 | 20 007 04.16 | 0,12/0,19 | gR | 500 | 10 | 140 | 4,8 |
| 20 | 20 000 04.20 | 20 007 04.20 | 0,12/0,19 | gR | 500 | 17 | 185 | 5,7 |
| 25 | 20 000 04.25 | 20 007 04.25 | 0,12/0,19 | gR | 500 | 20 | 305 | 6,7 |
| 32 | 20 000 04.32 | 20 007 04.32 | 0,12/0,19 | gR | 500 | 67 | 460 | 8,1 |
| 35 | 20 000 04.35 | 20 007 04.35 | 0,12/0,19 | gR | 500 | 82 | 650 | 9 |
| 40 | 20 000 04.40 | 20 007 04.40 | 0,12/0,19 | gR | 500 | 90 | 800 | 10 |
| 50 | 20 000 04.50 | 20 007 04.50 | 0,12/0,19 | gR | 500 | 190 | 1.400 | 12 |
| 63 | 20 000 04.63 | 20 007 04.63 | 0,12/0,19 | gR | 500 | 330 | 2.600 | 14 |
| 80 | 20 000 04.80 | 20 007 04.80 | 0,12/0,19 | gR | 500 | 510 | 4.200 | 19 |
| 100 | 20 001 04.100 | 20 007 04.100 | 0,18/0,19 | gR | 500 | 920 | 7.600 | 21 |
| 125 | 20 001 04.125 | 20 007 04.125 | 0,18/0,19 | aR | 500 | 1.660 | 12.300 | 25 |
| 160 | 20 001 04.160 | 20 007 04.160 | 0,18/0,19 | aR | 500 | 2.800 | 19.500 | 30 |
| 200 | 20 001 04.200 | - | 0,18 | aR | 500 | 4.800 | 33.500 | 36 |

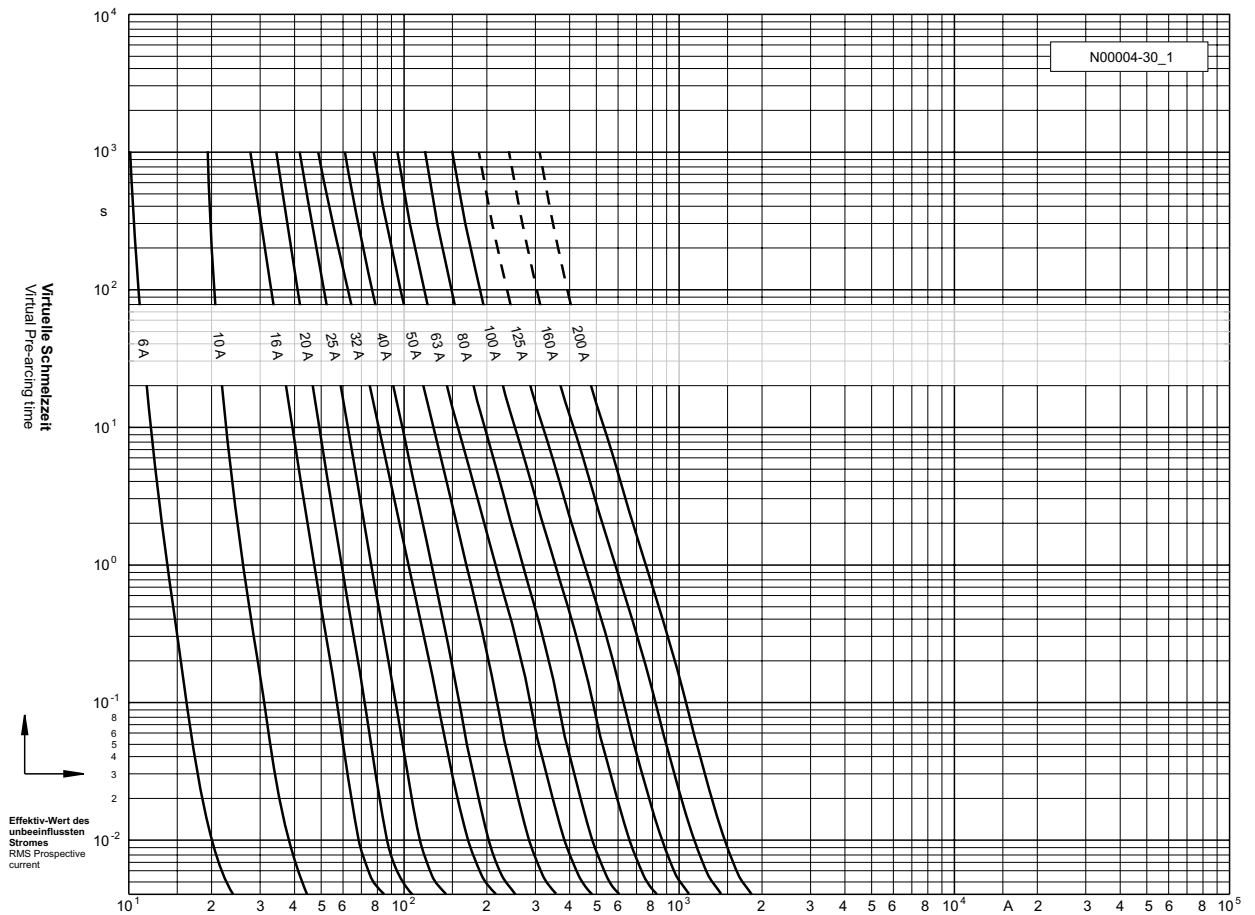
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 1,0 | 1,25 | 0,6 | 0,8 |

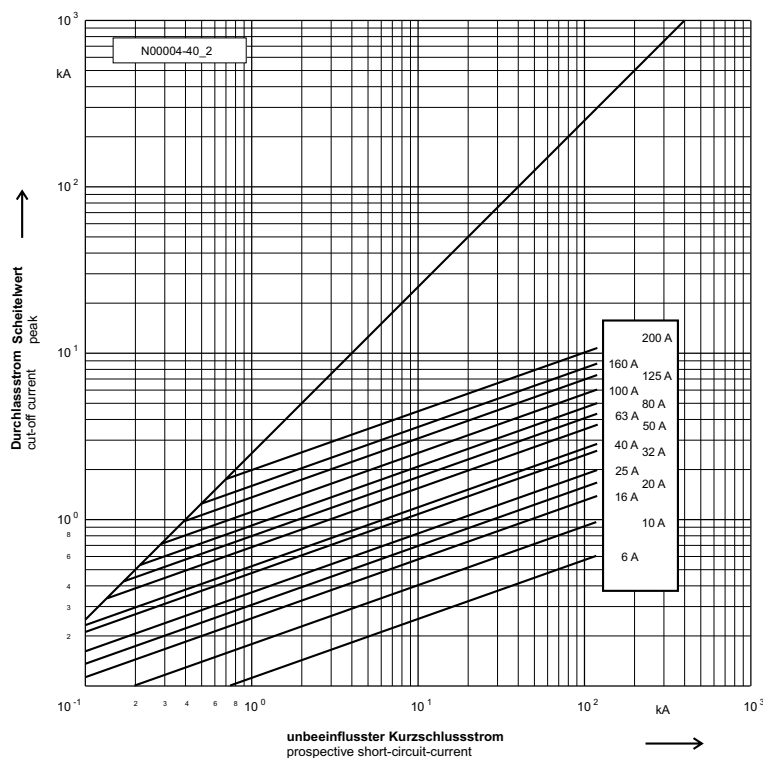
500 V

NH 000 / 00

Zeit/Strom-Kennlinien
Time-current characteristics



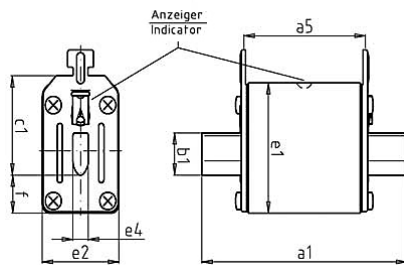
Durchlass-Strom
Cut-off current



500 V

NH 0

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



20 002 04

Betriebsklasse / Class
gR / aR

IEC 60 269-4
VDE 0636-4

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Länge Length | | | | | | | |
|--|---------------------------|---------------|-----------------|----------------|---------------------|----------------|----------------|----------------|----|----------------|
| | | | a ₅ | a ₁ | B _{1 max.} | e ₄ | e ₁ | e ₂ | f | c ₁ |
| V | | | mm | mm | mm | mm | mm | mm | mm | mm |
| 500 | 20 002 04 | 0 | 65 | 125 | 15 | 6 | 46 | 29,5 | 13 | 35 |

Bemessungsausschaltvermögen / Rated breaking capacity 120 kA

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value | Leistungs- abgabe Power Loss |
|----------------------------------|--|-------------------|------------------------------|--|---|--|------------------------------------|
| | mit Kombimelder* with combi indicator | | | | | | |
| A | | kg / 1 | | V | A ² s | A ² s | W |
| 16 | 20 002 04.16 | 0,24 | gR | 500 | 10 | 140 | 6,1 |
| 20 | 20 002 04.20 | 0,24 | gR | 500 | 17 | 185 | 7,2 |
| 25 | 20 002 04.25 | 0,24 | gR | 500 | 20 | 305 | 8,6 |
| 32 | 20 002 04.32 | 0,24 | gR | 500 | 67 | 460 | 10 |
| 35 | 20 002 04.35 | 0,24 | gR | 500 | 82 | 650 | 11 |
| 40 | 20 002 04.40 | 0,24 | gR | 500 | 90 | 800 | 12 |
| 50 | 20 002 04.50 | 0,24 | gR | 500 | 190 | 1.400 | 15 |
| 63 | 20 002 04.63 | 0,24 | gR | 500 | 330 | 2.600 | 18 |
| 80 | 20 002 04.80 | 0,24 | gR | 500 | 510 | 4.200 | 21 |
| 100 | 20 002 04.100 | 0,24 | gR | 500 | 920 | 7.600 | 25 |
| 125 | 20 002 04.125 | 0,24 | aR | 500 | 1.660 | 12.300 | 30 |
| 160 | 20 002 04.160 | 0,24 | aR | 500 | 2.800 | 19.500 | 36 |

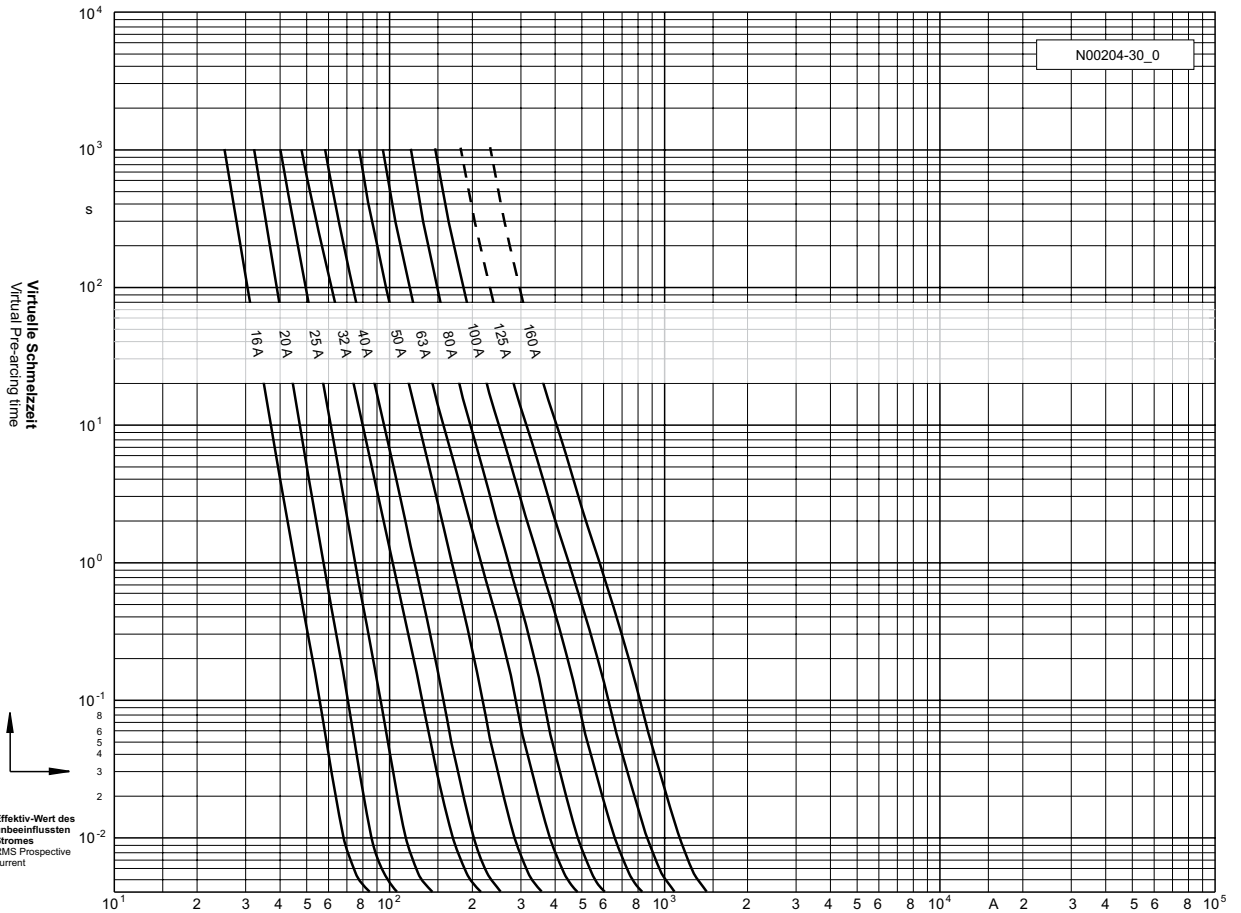
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,25 | 0,6 | 0,8 |

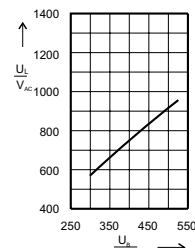
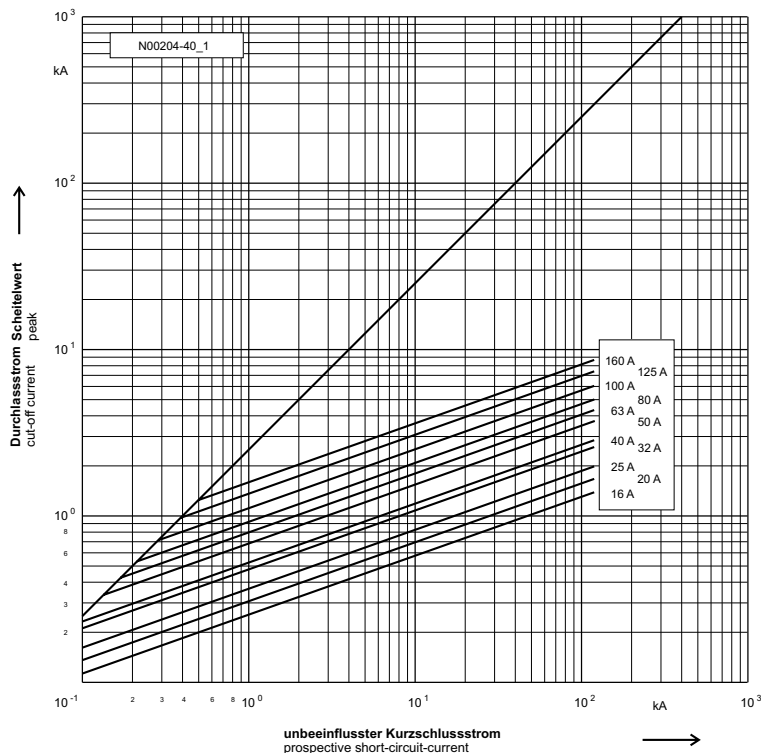
500 V

NH 0

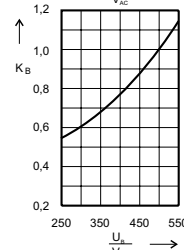
Zeit/Strom-Kennlinien
Time-current characteristics



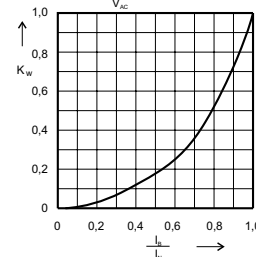
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



Umrechnungsfaktor für den Ausschalt i^2t -Wert
Reduction factor for total i^2t -value

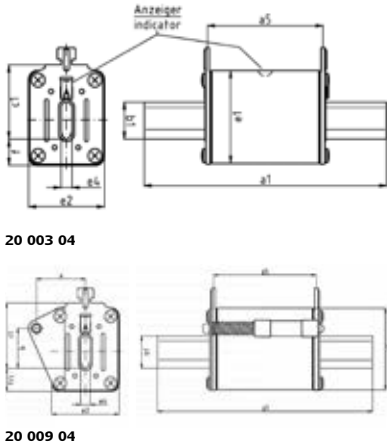


Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

500 V

NH 1

Verpackungseinheit / Packing unit: 3/2 Stück / 3/2 pieces



| | |
|--|--|
| Betriebsklasse / Class gR / aR | IEC 60 269-4 VDE 0636-4 |
|--|--|

| Bemessungs- spannung Rated Vol- tage | Artikel Nr. Article No | Größe Size | Be- messungs- trom rated current | Länge Length | | | | | | | | | | | |
|---|---------------------------|---------------|--|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|----|----|----|----|
| | | | | a ₅ | a ₁ | b ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ | a | b | c | |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 500 | 20 003 04 | 1 | 63-160 | 65 | 135 | 20 | 6 | 46 | 29,5 | 8 | 40 | - | - | - | |
| | | | 200-315 | 65 | 135 | 20 | 6 | 51,5 | 42 | 14 | 40 | - | - | - | |
| | 20 009 04 | 63-315 | 65 | 135 | 20 | 6 | 51,5 | 42 | 14 | 40 | 30,5 | 24 | 14 | | |

Bemessungsausschaltvermögen / Rated breaking capacity 120 kA

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ AC 500 V | Leistungs- abgabe Power Loss |
|----------------------------------|--|---|-------------------|------------------------------|--|---|---|---------------------------------------|
| | mit Kombimelder* with combi indicator | mit Signalmelder with signal indicator | | | | | | |
| A | | | kg / 1 | | V | A ² s | A ² s | W |
| 63 | 20 003 04.63 | 20 009 04.63 | 0,38/0,41 | gR | 500 | 330 | 2.600 | 18 |
| 80 | 20 003 04.80 | 20 009 04.80 | 0,38/0,41 | gR | 500 | 510 | 4.200 | 22 |
| 100 | 20 003 04.100 | 20 009 04.100 | 0,38/0,41 | gR | 500 | 920 | 7.600 | 27 |
| 125 | 20 003 04.125 | 20 009 04.125 | 0,38/0,41 | aR | 500 | 1.660 | 12.300 | 33 |
| 160 | 20 003 04.160 | 20 009 04.160 | 0,38/0,41 | aR | 500 | 2.400 | 19.500 | 40 |
| 200 | 20 003 04.200 | 20 009 04.200 | 0,38/0,41 | aR | 500 | 5.800 | 37.000 | 40 |
| 224 | 20 003 04.224 | 20 009 04.224 | 0,38/0,41 | aR | 500 | 7.600 | 42.000 | 53 |
| 250 | 20 003 04.250 | 20 009 04.250 | 0,38/0,41 | aR | 500 | 9.600 | 55.000 | 62 |
| 315 | 20 003 04.315 | 20 009 04.315 | 0,38/0,41 | aR | 500 | 14.000 | 90.000 | 79 |

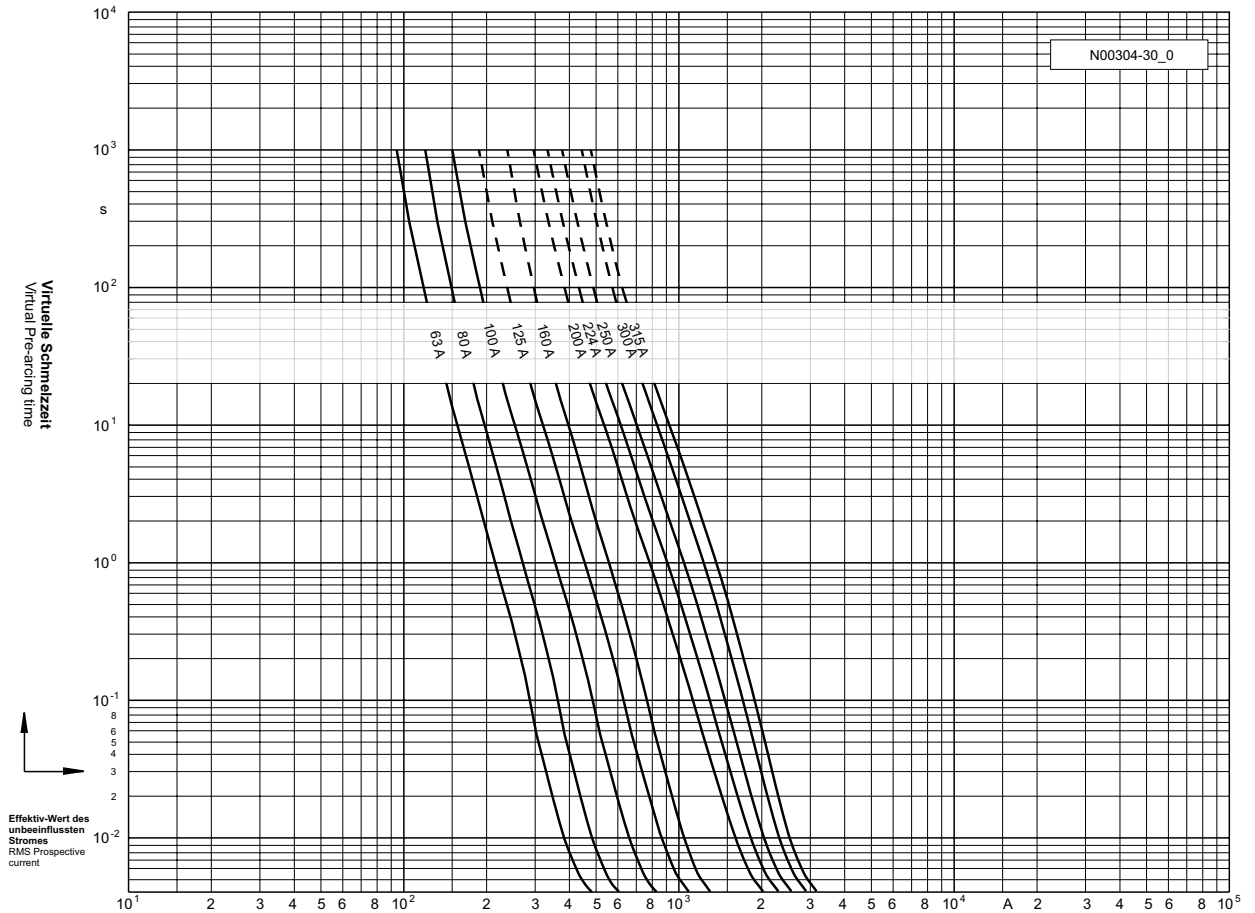
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,25 | 0,6 | 0,8 |

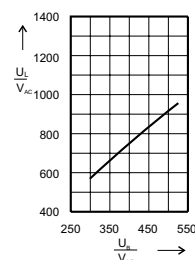
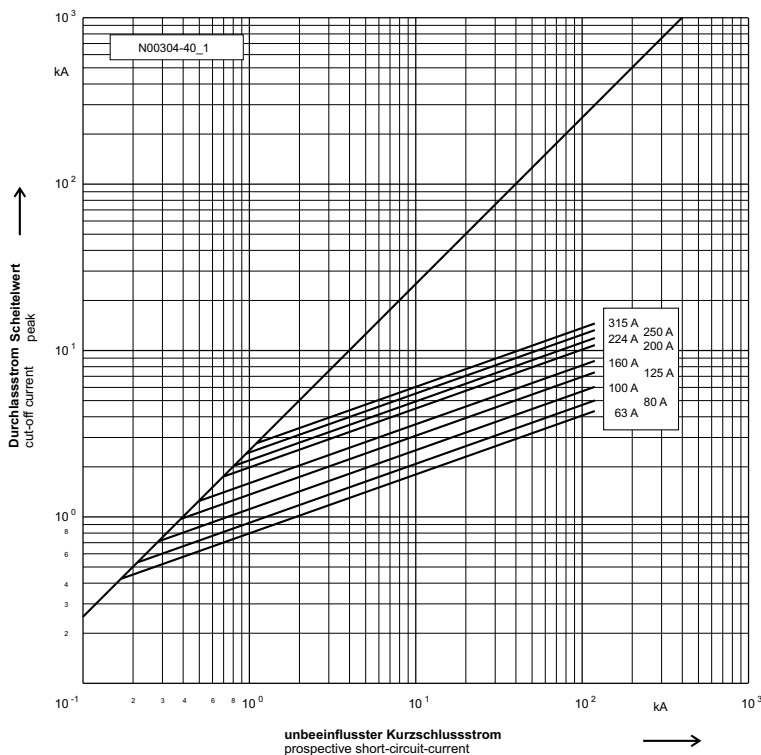
500 V

NH 1

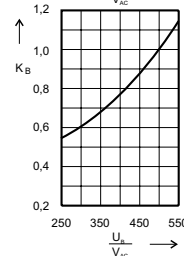
Zeit/Strom-Kennlinien
Time-current characteristics



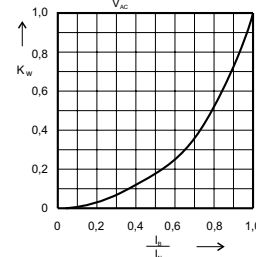
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



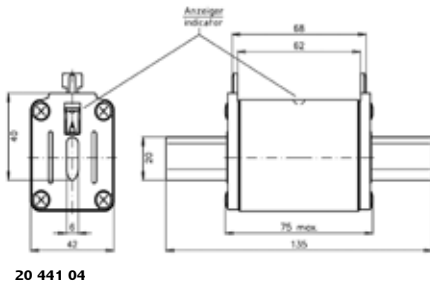
Umrechnungsfaktor für den Ausschalt i^2t -Wert
Reduction factor for total i^2t -value



Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

500 V

NH 1 ISOMET (spannungsfreie Griffflaschen / insulated removal tags)



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|--|--|
| Betriebsklasse / Class gR / aR | IEC 60 269-4 VDE 0636-4 |
|--|--|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Länge Length | | | | | | | | | | | | |
|--|---------------------------|---------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|----|----|----|----|----|
| | | | a ₅ | a ₁ | B ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ | a | b | c | | |
| V | | | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 500 | 20 441 04 | 1 | 65 | 135 | 20 | 6 | 51,5 | 42 | 14 | 40 | - | - | - | - | - |

Bemessungsausschaltvermögen / Rated breaking capacity 120 kA

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ AC 500 V | Leistungs- abgabe Power Loss @ RC |
|----------------------------------|--|-------------------|------------------------------|--|---|--|--|
| A | mit Kombimelder* with combi indicator | kg / 1 | | V | A ² s | A ² s | W |
| 63 | 20 441 04.63 | 0,43 | gR | 500 | 330 | 2.600 | 18 |
| 80 | 20 441 04.80 | 0,43 | gR | 500 | 510 | 4.200 | 22 |
| 100 | 20 441 04.100 | 0,43 | gR | 500 | 920 | 7.600 | 27 |
| 125 | 20 441 04.125 | 0,43 | aR | 500 | 1.660 | 12.300 | 33 |
| 160 | 20 441 04.160 | 0,43 | aR | 500 | 2.400 | 19.500 | 40 |
| 200 | 20 441 04.200 | 0,43 | aR | 500 | 5.800 | 37.000 | 40 |
| 224 | 20 441 04.224 | 0,43 | aR | 500 | 7.600 | 42.000 | 53 |
| 250 | 20 441 04.250 | 0,43 | aR | 500 | 9.600 | 55.000 | 62 |

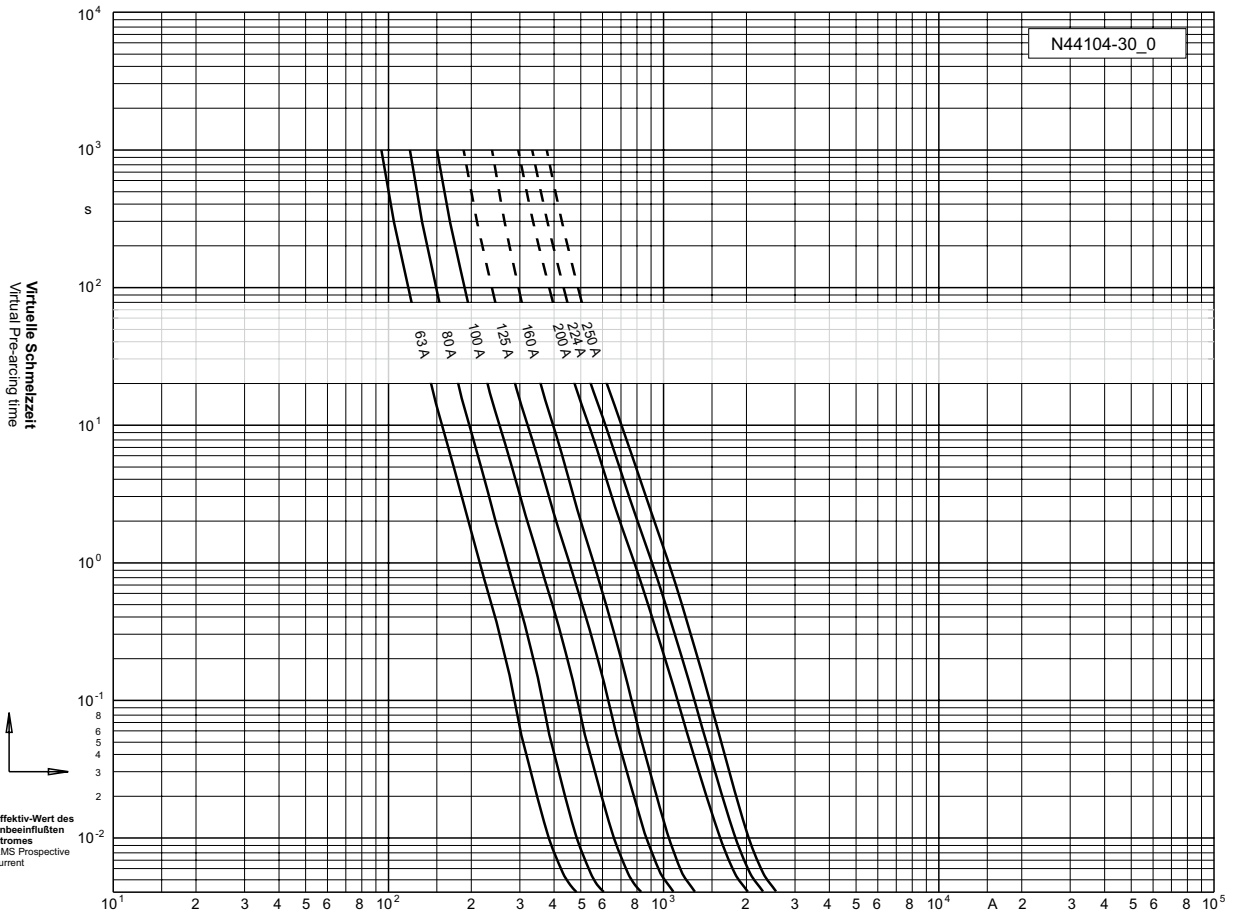
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,3 | 0,6 | 0,8 |

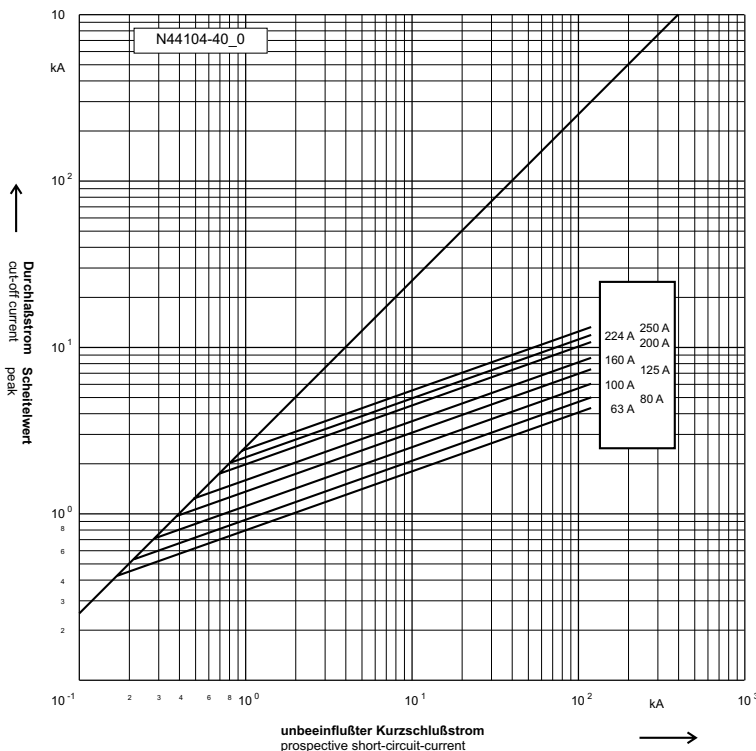
500 V

NH 1 ISOMET (spannungsfreie Griffflaschen / insulated removal tags)

Zeit/Strom-Kennlinien
Time-current characteristics



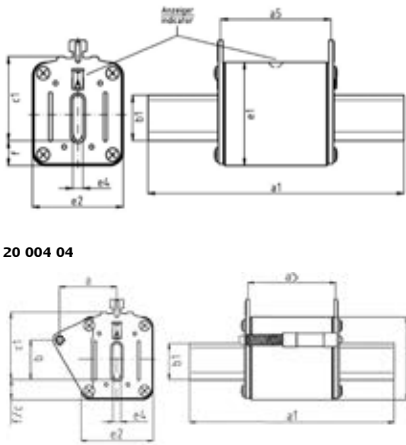
Durchlass-Strom
Cut-off current



500 V

NH 2

Verpackungseinheit / Packing unit: 3/2 Stück / 3/2 pieces



20 010 04

| | | |
|--|--|------------------|
| Betriebsklasse / Class gR / aR | IEC 60 269-4 VDE 0636-4 | UL 248-13 |
|--|--|------------------|

| Bemessungs- spannung Rated Vol- tage | Artikel Nr. Article No | Größe Size | Be- messungs- trom rated current | Länge Length | | | | | | | | | | | |
|---|---------------------------|---------------|--|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|----|----|----|----|
| | | | | a ₅ | a ₁ | B ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ | a | b | c | |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 500 | 20 004 04 | 2 | 32-250 | 65 | 150 | 20 | 6 | 51,5 | 42 | 14 | 48 | - | - | - | |
| | | | 315-630 | 65 | 150 | 26 | 6 | 59 | 53 | 14 | 48 | 42 | 28 | 14 | |
| | 20 010 04 | 2 | 32-400 | 65 | 150 | 26 | 6 | 59 | 53 | 14 | 48 | 42 | 28 | 14 | |

Bemessungsausschaltvermögen / Rated breaking capacity 120 kA

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t- Value @ AC 500 V | Leistungs- abgabe Power Loss |
|----------------------------------|--|---|-------------------|------------------------------|---|---|--|---------------------------------------|
| | mit Kombimelder* with combi indicator | mit Signalmelder with signal indicator | | | | | | |
| | A | kg / l | | | | | | |
| 32 | 20 004 04.32 | 20 010 04.32 | 0,65/0,66 | gR | 500 | 67 | 550 | 7,4 |
| 40 | 20 004 04.40 | 20 010 04.40 | 0,65/0,66 | gR | 500 | 90 | 740 | 9,2 |
| 50 | 20 004 04.50 | 20 010 04.50 | 0,65/0,66 | gR | 500 | 190 | 1.560 | 11,5 |
| 63 | 20 004 04.63 | 20 010 04.63 | 0,65/0,66 | gR | 500 | 330 | 2.700 | 14,5 |
| 80 | 20 004 04.80 | 20 010 04.80 | 0,65/0,66 | gR | 500 | 510 | 4.200 | 18 |
| 100 | 20 004 04.100 | 20 010 04.100 | 0,65/0,66 | gR | 500 | 920 | 7.600 | 23 |
| 125 | 20 004 04.125 | 20 010 04.125 | 0,65/0,66 | aR | 500 | 1.660 | 12.300 | 29 |
| 160 | 20 004 04.160 | 20 010 04.160 | 0,65/0,66 | aR | 500 | 2.400 | 19.500 | 40 |
| 200 | 20 004 04.200 | 20 010 04.200 | 0,65/0,66 | aR | 500 | 5.800 | 37.000 | 40 |
| 224 | 20 004 04.224 | 20 010 04.224 | 0,65/0,66 | aR | 500 | 7.600 | 39.000 | 44 |
| 250 | 20 004 04.250 | 20 010 04.250 | 0,65/0,66 | aR | 500 | 9.600 | 51.000 | 51 |
| 315 | 20 004 04.315 | 20 010 04.315 | 0,65/0,66 | aR | 500 | 14.000 | 84.000 | 69 |
| 355 | 20 004 04.355 | 20 010 04.355 | 0,65/0,66 | aR | 500 | 20.000 | 125.000 | 81 |
| 400 | 20 004 04.400 | 20 010 04.400 | 0,65/0,66 | aR | 500 | 27.000 | 155.000 | 94 |
| 450 | 20 004 04.450 | | 0,65 | aR | 500 | 38.000 | 219.000 | 105 |
| 500 | 20 004 04.500 | | 0,65 | aR | 500 | 47.000 | 271.000 | 117 |
| 550 | 20 004 04.550 | | 0,65 | aR | 500 | 57.000 | 328.000 | 125 |
| 630 | 20 004 04.630 | | 0,65 | aR | 500 | 80.000 | 460.000 | 142 |

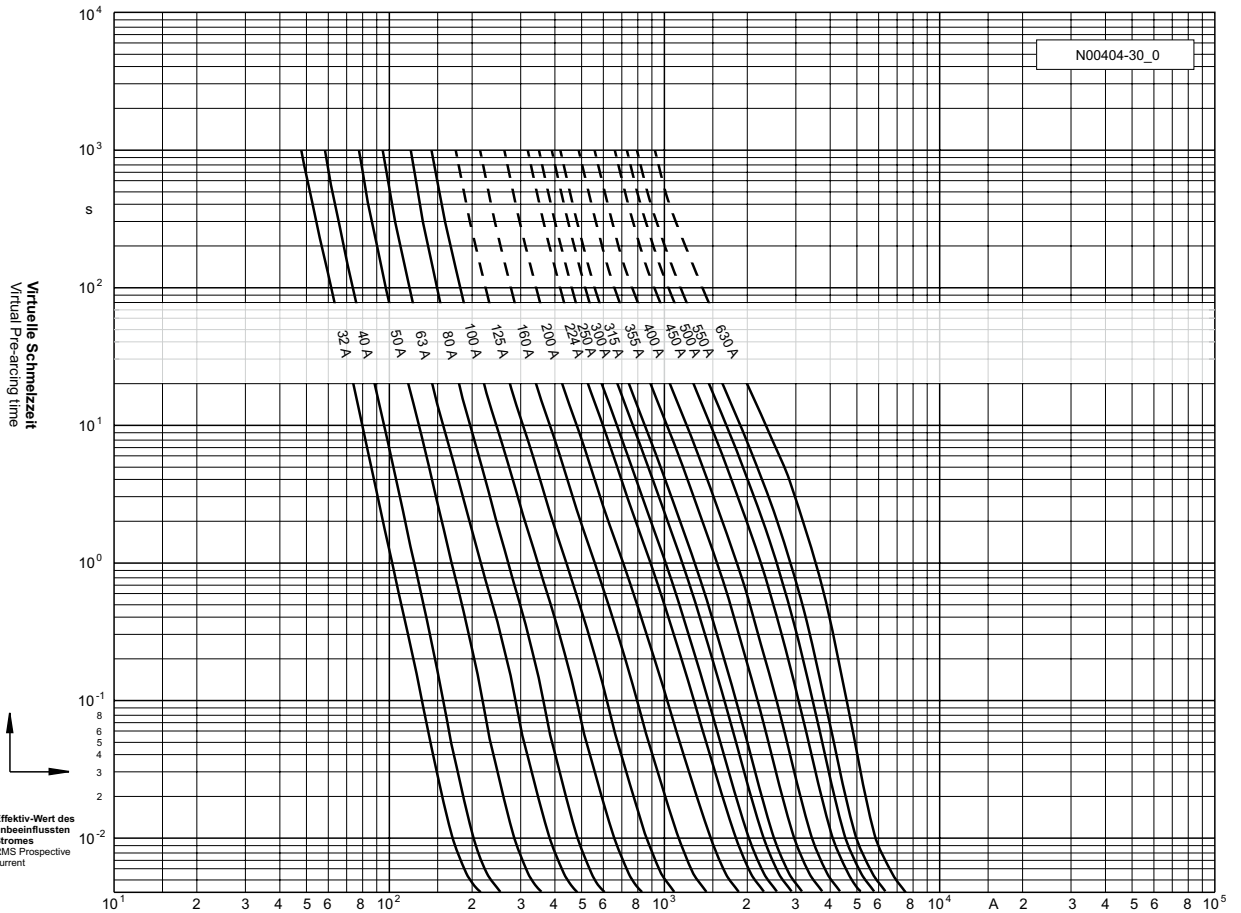
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,25 | 0,6 | 0,8 |

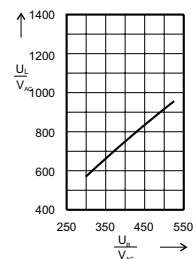
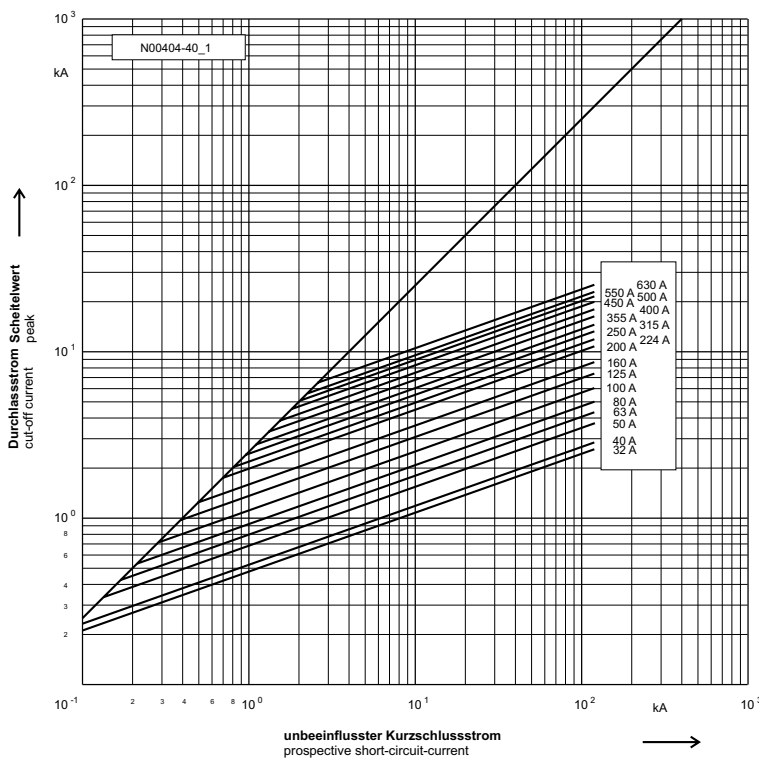
500 V

NH 2

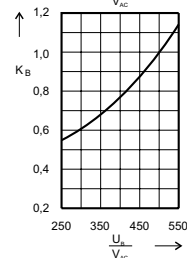
Zeit/Strom-Kennlinien
Time-current characteristics



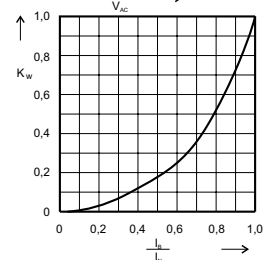
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



Umrechnungsfaktor für den Ausschalt i^2t -Wert
Reduction factor for total i^2t -value

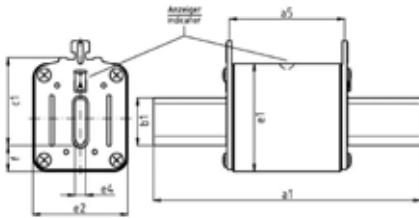


Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

500 V

NH 2 ISOMET (spannungsfreie Griffflaschen / insulated removal tags)

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



20 442 04

Betriebsklasse / Class
gR / aR

EN IEC 60 269-4
VDE 0636-4

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Länge Length | | | | | | | | | | | |
|--|---------------------------|---------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|----|----|----|----|
| | | | a ₅ | a ₁ | B ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ | a | b | c | |
| V | | 2 | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 500 | 20 442 04 | >250 A | 65 | 150 | 20 | 6 | 51,5 | 42 | 14 | 48 | - | - | - | - |
| | | <250 A | | | 26 | | 59 | 53 | | | | | | |

Bemessungsausschaltvermögen / Rated breaking capacity 120 kA

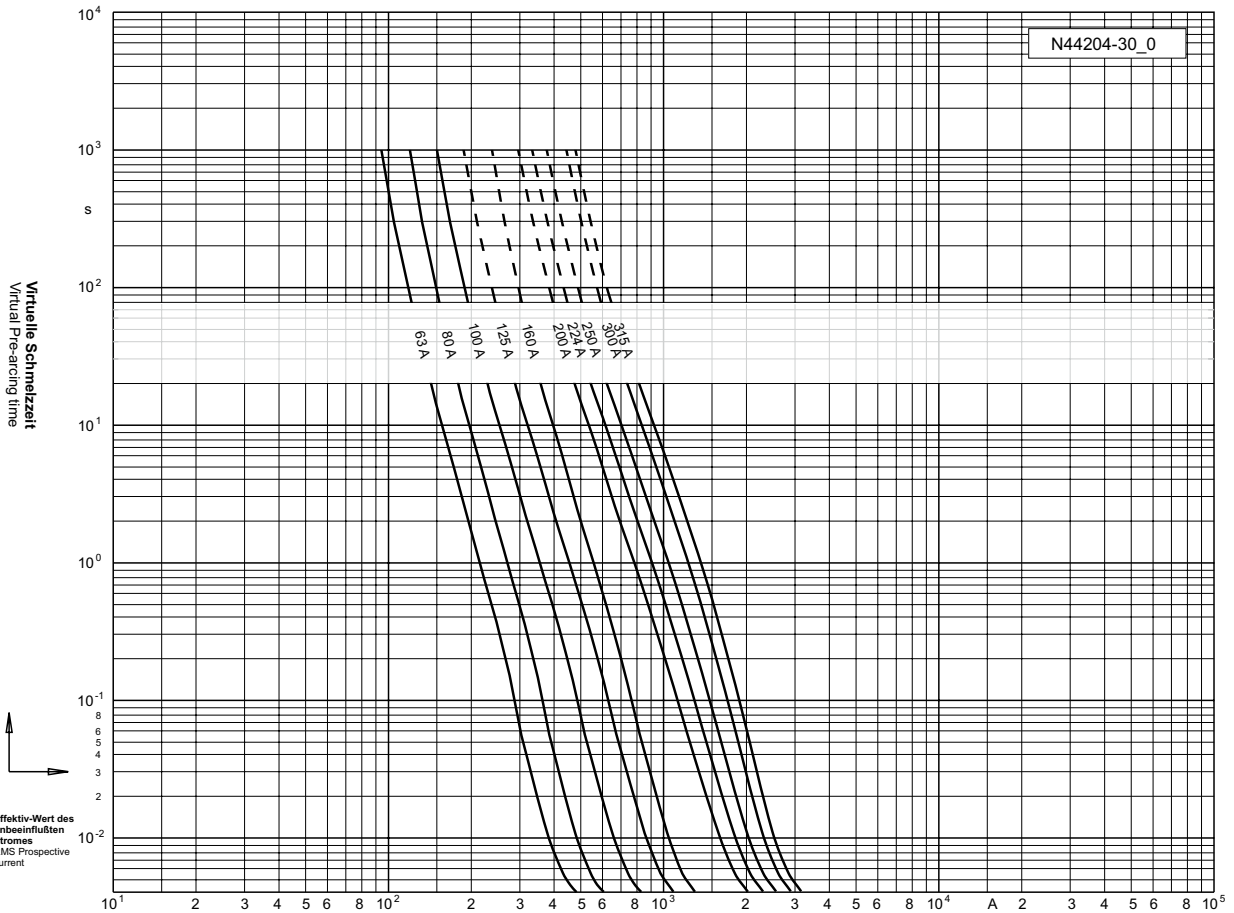
| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ AC 500 V | Leistungs- abgabe Power Loss |
|----------------------------------|--|-------------------|------------------------------|--|---|--|------------------------------------|
| A | mit Kombimelder* with combi indicator | kg / 1 | | V | A ² s | A ² s | W |
| 63 | 20 442 04.63 | 0,41 | gR | 500 | 330 | 2.600 | 18 |
| 80 | 20 442 04.80 | 0,41 | gR | 500 | 510 | 4.200 | 22 |
| 100 | 20 442 04.100 | 0,41 | gR | 500 | 920 | 7.600 | 27 |
| 125 | 20 442 04.125 | 0,41 | aR | 500 | 1.660 | 12.300 | 33 |
| 160 | 20 442 04.160 | 0,41 | aR | 500 | 2.400 | 19.500 | 40 |
| 200 | 20 442 04.200 | 0,41 | aR | 500 | 5.800 | 37.000 | 40 |
| 224 | 20 442 04.224 | 0,41 | aR | 500 | 7.600 | 42.000 | 53 |
| 250 | 20 442 04.250 | 0,41 | aR | 500 | 9.600 | 55.000 | 62 |
| 315 | 20 442 04.315 | 0,41 | aR | 500 | 14.000 | 90.000 | 79 |

Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

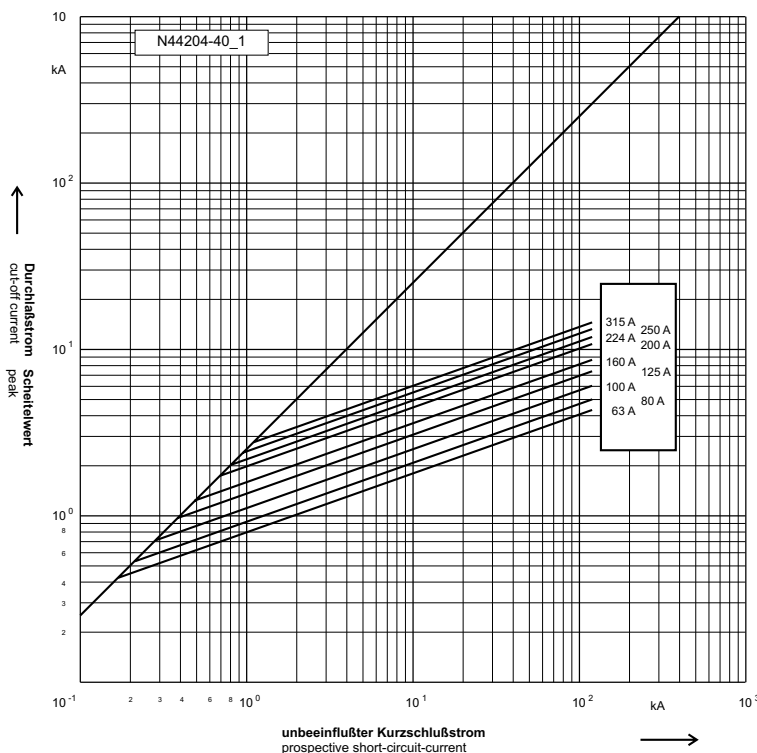
| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,3 | 0,6 | 0,8 |

500 V NH 2 ISOMET (spannungsfreie Griffflaschen / insulated removal tags)

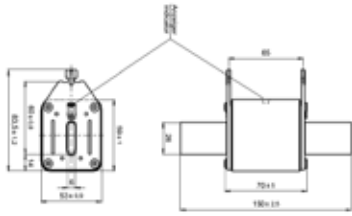
Zeit/Strom-Kennlinien
Time-current characteristics



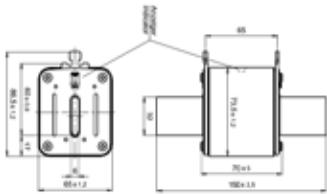
Durchlass-Strom
Cut-off current



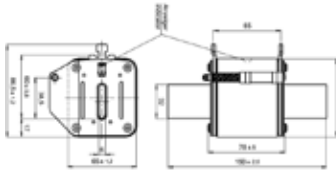
AC 500 V NH 3



20 005 04



20 011 04



Verpackungseinheit / Packing unit: 3/2 Stück / 3/2 pieces

| | |
|-------------------------------------|--|
| Betriebsklasse / Class aR | IEC 60 269-4 VDE 0636 Teil 40 |
|-------------------------------------|--|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current | Länge Length | | | | | | | | | | | | |
|--|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|----|------|----|----|----|
| | | | | a ₅ | a ₁ | B ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ | a | b | c | | |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 500 | 20 005 04 | 3 | 160-400 | 65 | 150 | 26 | 6 | 59 | 53 | 14 | 60 | - | - | - | | |
| | | | 450-700 | 65 | 150 | 32 | 6 | 73,5 | 65 | 17 | 60 | 44 | 38,5 | 17 | | |
| | 20 011 04 | 3 | 160-700 | 65 | 150 | 32 | 6 | 73,5 | 65 | 17 | 60 | 44 | 38,5 | 17 | | |

Bemessungsausschaltvermögen / Rated breaking capacity 120 kA

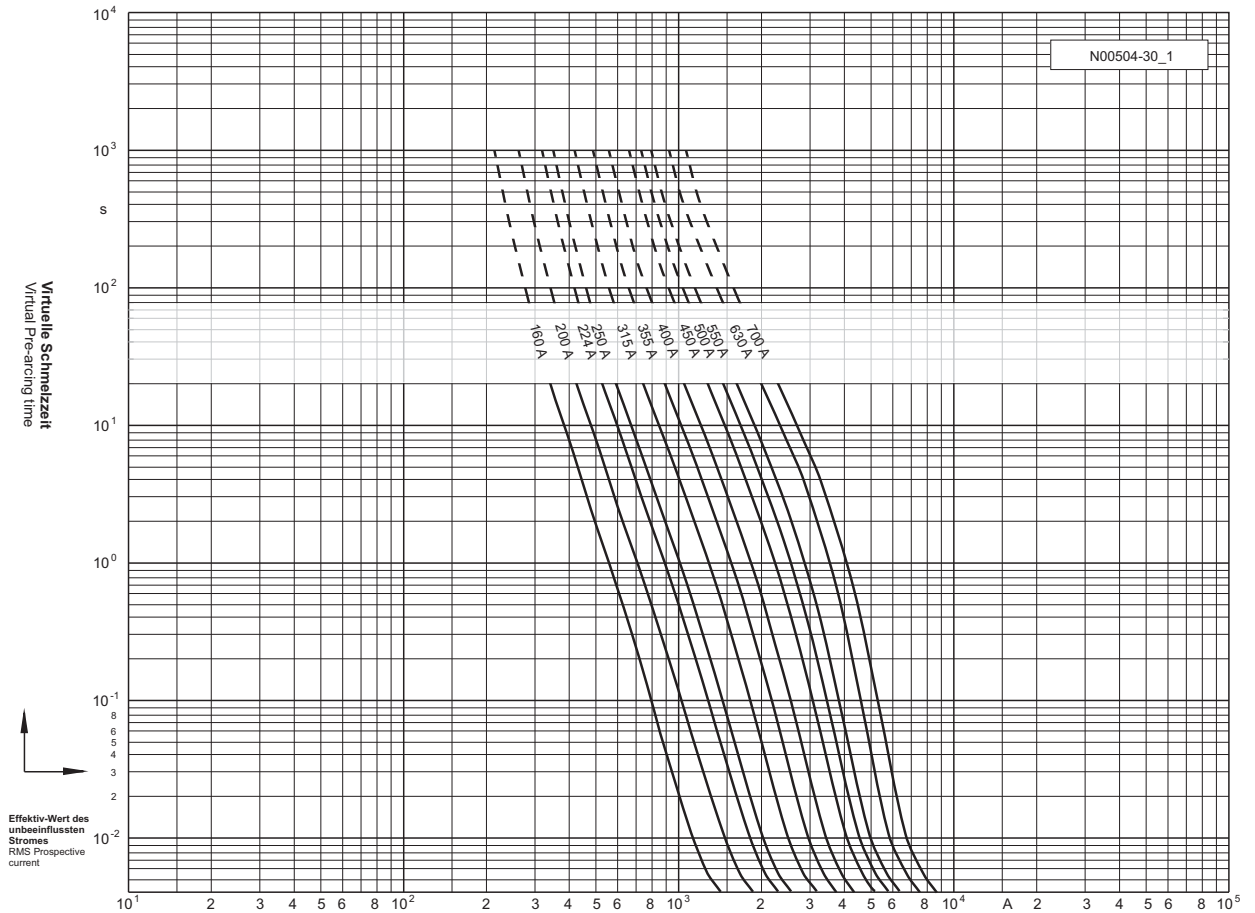
| Bemessungsstrom Rated Current | Artikel Nr. Article No. | | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ AC 500 V | Leistungs- abgabe Power Loss |
|----------------------------------|--|---|-------------------|------------------------------|--|---|---|---------------------------------------|
| | mit Kombimelder* with combi indicator | mit Signalmelder with signal indicator | | | | | | |
| | A | kg / 1 | | | | | | |
| 160 | 20 005 04.160 | 20 011 04.160 | 0,69/0,93 | aR | AC 500 | 2.400 | 19.500 | 48 |
| 200 | 20 005 04.200 | 20 011 04.200 | 0,69/0,93 | aR | AC 500 | 5.800 | 37.000 | 56 |
| 224 | 20 005 04.224 | 20 011 04.224 | 0,69/0,93 | aR | AC 500 | 7.600 | 39.000 | 61 |
| 250 | 20 005 04.250 | 20 011 04.250 | 0,69/0,93 | aR | AC 500 | 9.600 | 51.000 | 65 |
| 315 | 20 005 04.315 | 20 011 04.315 | 0,69/0,93 | aR | AC 500 | 14.000 | 84.000 | 76 |
| 355 | 20 005 04.355 | 20 011 04.355 | 0,69/0,93 | aR | AC 500 | 20.000 | 125.000 | 83 |
| 400 | 20 005 04.400 | 20 011 04.400 | 0,69/0,93 | aR | AC 500 | 27.000 | 155.000 | 85 |
| 450 | 20 005 04.450 | 20 011 04.450 | 0,91/0,93 | aR | AC 500 | 38.000 | 190.000 | 90 |
| 500 | 20 005 04.500 | 20 011 04.500 | 0,91/0,93 | aR | AC 500 | 47.000 | 240.000 | 98 |
| 550 | 20 005 04.550 | 20 011 04.550 | 0,91/0,93 | aR | AC 500 | 57.000 | 300.000 | 110 |
| 630 | 20 005 04.630 | 20 011 04.630 | 0,91/0,93 | aR | AC 500 | 80.000 | 420.000 | 122 |
| 700 | 20 005 04.700 | 20 011 04.700 | 1,00/1,02 | aR | AC 500 | 106.000 | 560.000 | 135 |

Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

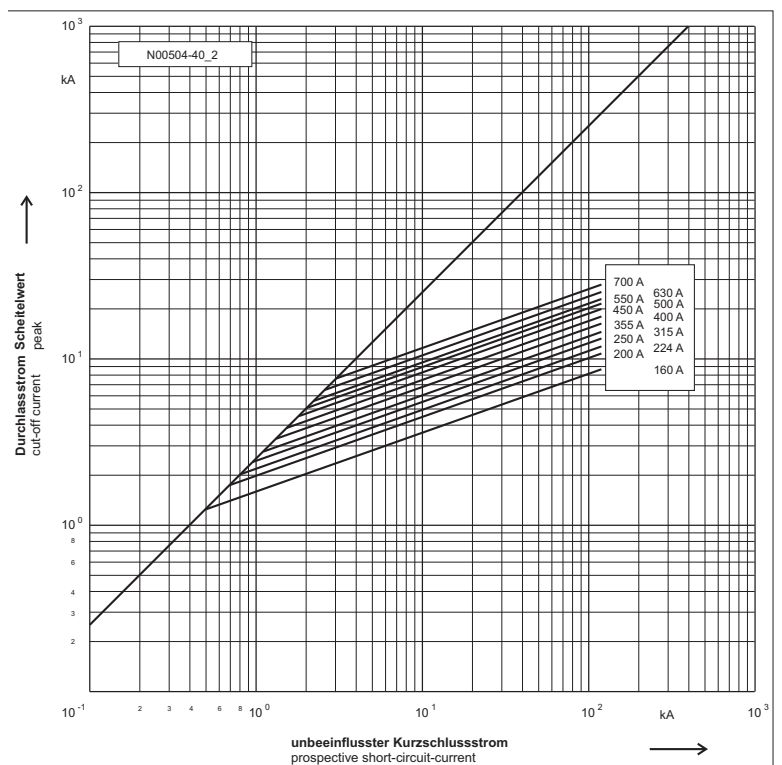
| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,25 | 0,6 | 0,8 |

AC 500 V NH 3

Zeit/Strom-
Kennlinien
Time-current
characteristics

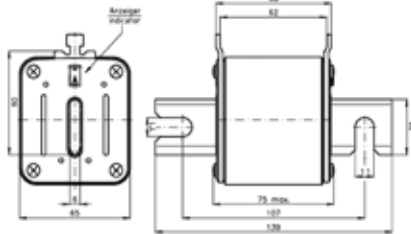


Durchlass-Strom
Cut-off current



660 V

NH 3 DIN 110



20 373 04

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|-------------------------------------|----------------------------|
| Betriebsklasse / Class gR | IEC 60 269-4 VDE 0636-4 |
|-------------------------------------|----------------------------|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| 660 | 20 373 04 | NH 3 | 150-500 |

Bemessungsausschaltvermögen / Rated breaking capacity 120 kA

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ AC 660 V | Leistungs- abgabe Power Loss |
|----------------------------------|--|-------------------|------------------------------|--|---|--|------------------------------------|
| A | mit Kombimelder* with combi indicator | kg / 1 | | V | A ² s | A ² s | W |
| 150 | 20 373 04.150 | 0,83 | gR | 660 | 2.100 | 20.000 | 35 |
| 200 | 20 373 04.200 | 0,83 | gR | 660 | 3.800 | 36.000 | 56 |
| 250 | 20 373 04.250 | 0,83 | gR | 660 | 6.700 | 65.000 | 69 |
| 300 | 20 373 04.300 | 0,83 | gR | 660 | 10.000 | 102.000 | 78 |
| 350 | 20 373 04.350 | 0,83 | gR | 660 | 14.000 | 145.000 | 84 |
| 400 | 20 373 04.400 | 0,83 | gR | 660 | 19.000 | 185.000 | 97 |
| 500 | 20 373 04.500 | 0,83 | gR | 660 | 27.000 | 280.000 | 114 |

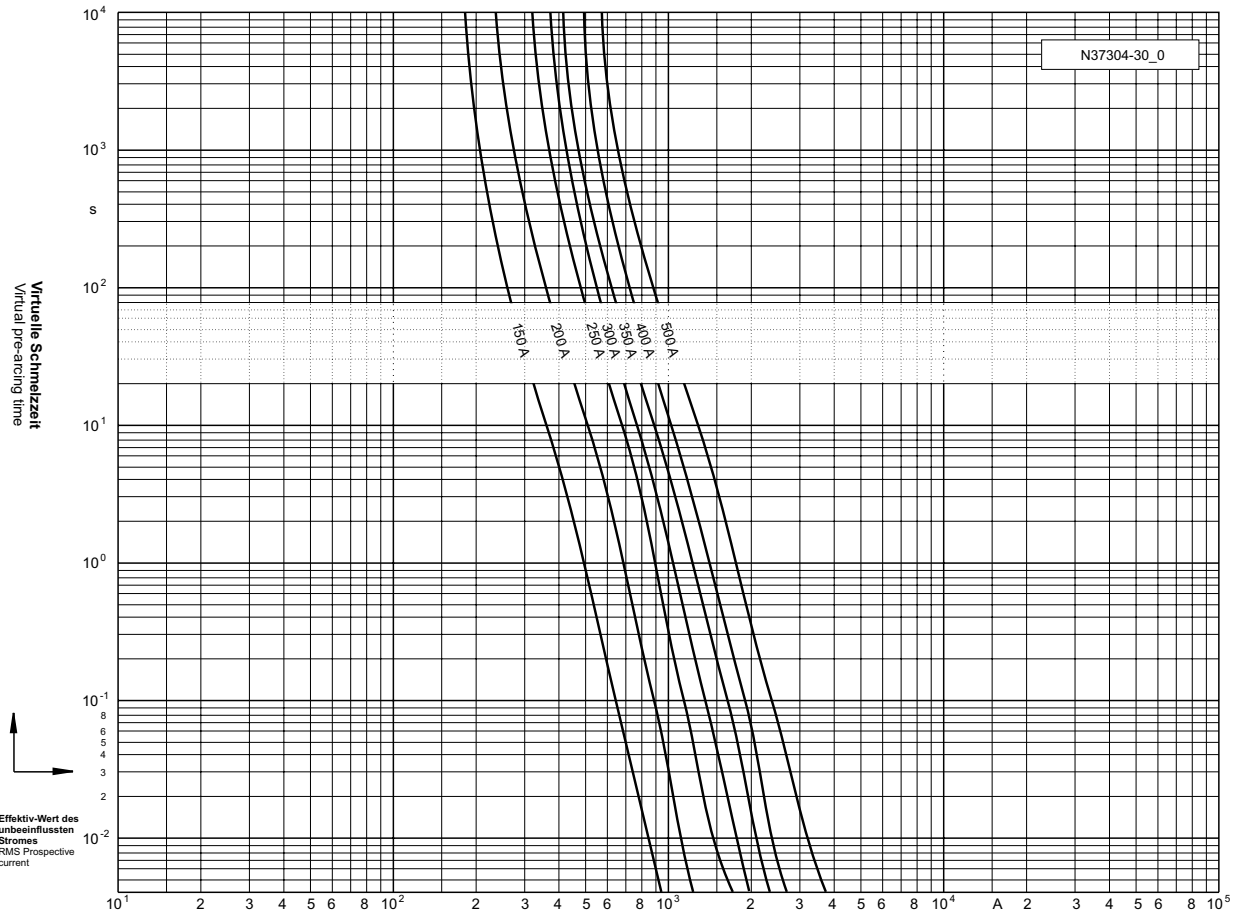
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|------|---------|-----|-----|
| 130 | 0,55 | 1,25 | 0,6 | 0,8 |

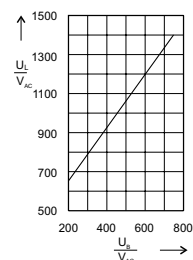
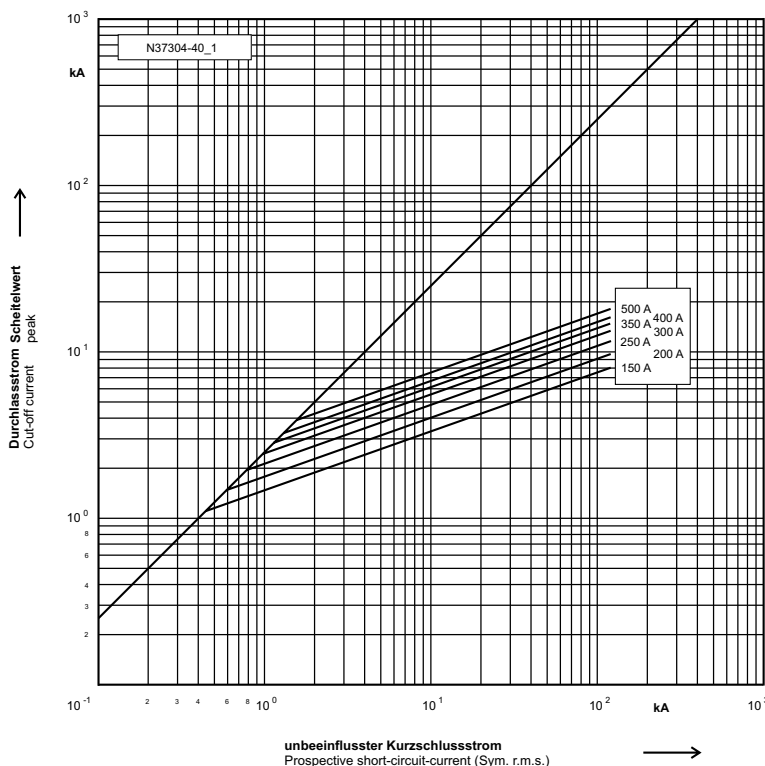
660 V

NH 3 DIN 110

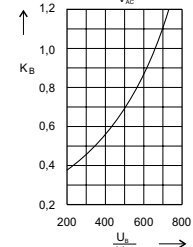
Zeit/Strom-Kennlinien
Time-current characteristics



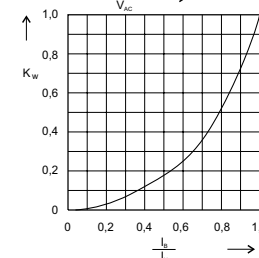
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



Umrechnungsfaktor für den Ausschalt i^2t -Wert
Reduction factor for total i^2t -value



Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

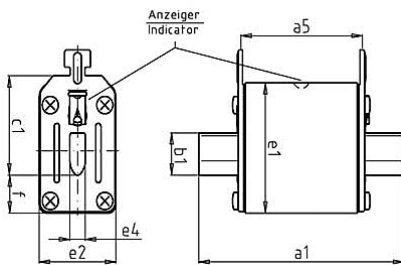
690 V

NH000 - 00

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

Betriebsklasse / Class
gR / aR

IEC 60 269-4
VDE 0636-40



20 477 20

20 209 20

| Artikel Nr. Article No. | Größe Size | Länge Length L | | | | | | | | |
|----------------------------|---------------|-------------------|----------------|----------------|---------------------|----------------|----------------|----------------|----|----------------|
| | | In/A | a ₅ | a ₁ | B _{1 max.} | e ₄ | e ₁ | e ₂ | f | c ₁ |
| | A | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 20 477 20 | NH000 | 10-50 | 47 | 78 | 15 | 6 | 40,5 | 20,5 | 7 | 35 |
| 20 209 20 | NH00 | 63-160 | | | | | 46 | 29,5 | 13 | |

Bemessungsausschaltvermögen / Rated breaking capacity 200 kA AC 700 V

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse class | Bemessungs- spannung Rated Voltage | Schmelzintegral Pre-Arcing I ² t-Value | Ausschaltintegral Total I ² t-Value | Leistungsabgabe Power Loss |
|----------------------------------|--|-------------------|------------------------------|--|--|---|-------------------------------|
| | mit Kombimelder* with combi indicator | | | IEC 60269-4 | | @ AC 690 V | |
| A | | kg / 1 | | V | A ² s | A ² s | W |
| 10 | 20 477 20.10 | 0,13 | gR | 690 | 2,5 | 18 | 2,5 |
| 16 | 20 477 20.16 | 0,13 | gR | 690 | 5,5 | 40 | 4,1 |
| 20 | 20 477 20.20 | 0,13 | gR | 690 | 12 | 91 | 5,0 |
| 25 | 20 477 20.25 | 0,13 | gR | 690 | 16 | 110 | 6,0 |
| 32 | 20 477 20.32 | 0,13 | gR | 690 | 46 | 330 | 6,5 |
| 35 | 20 477 20.35 | 0,13 | gR | 690 | 53 | 380 | 7,1 |
| 40 | 20 477 20.40 | 0,13 | gR | 690 | 61 | 450 | 9,2 |
| 50 | 20 477 20.50 | 0,13 | gR | 690 | 110 | 820 | 12 |
| 63 | 20 209 20.63 | 0,21 | gR | 690 | 190 | 1.400 | 14 |
| 80 | 20 209 20.80 | 0,21 | gR | 690 | 350 | 2.600 | 17 |
| 100 | 20 209 20.100 | 0,21 | gR | 690 | 610 | 4.500 | 21 |
| 125 | 20 209 20.125 | 0,21 | aR | 690 | 1.200 | 9.100 | 25 |
| 160 | 20 209 20.160 | 0,21 | aR | 690 | 2.100 | 15.000 | 32 |

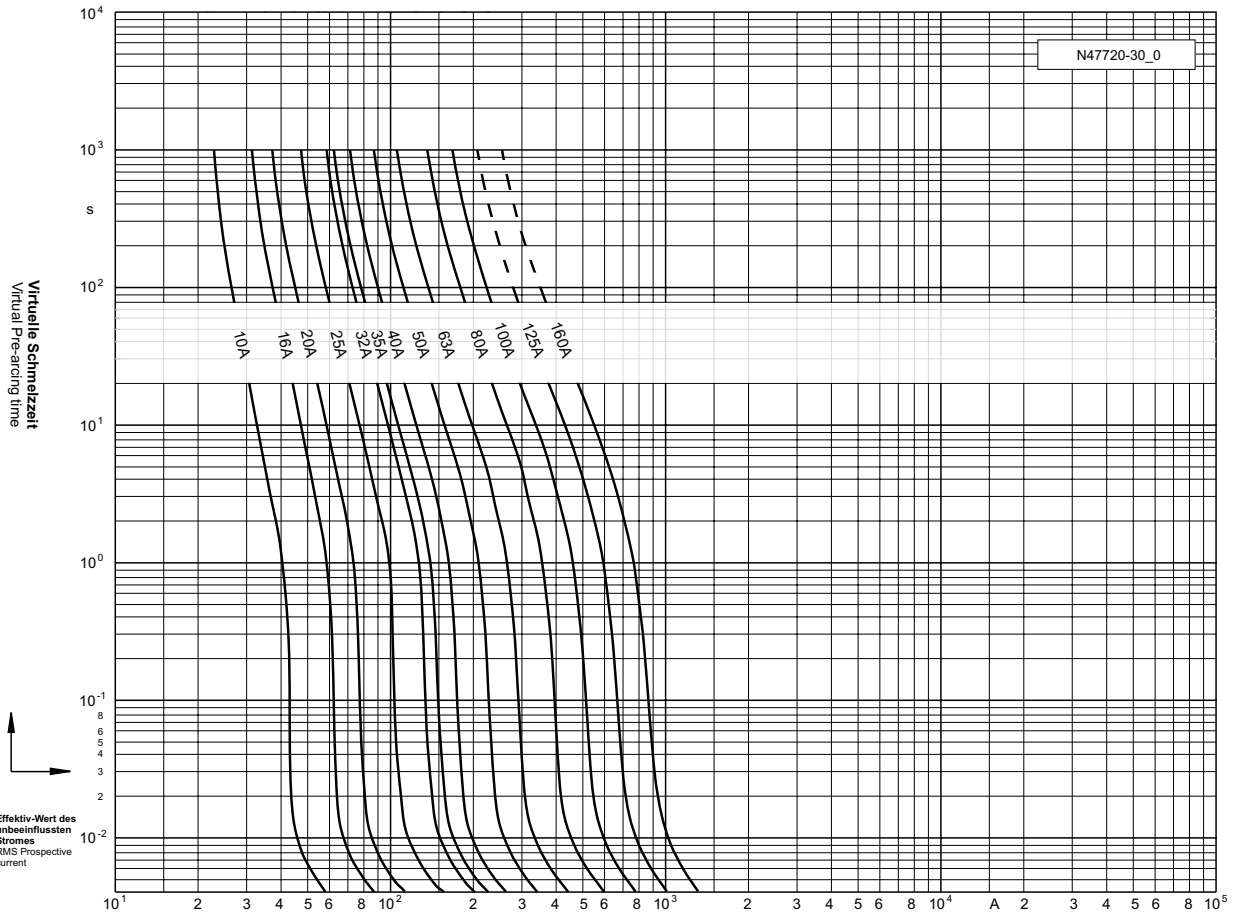
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,3 | 0,6 | 0,8 |

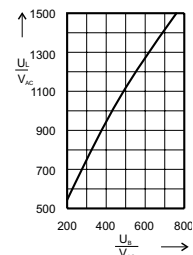
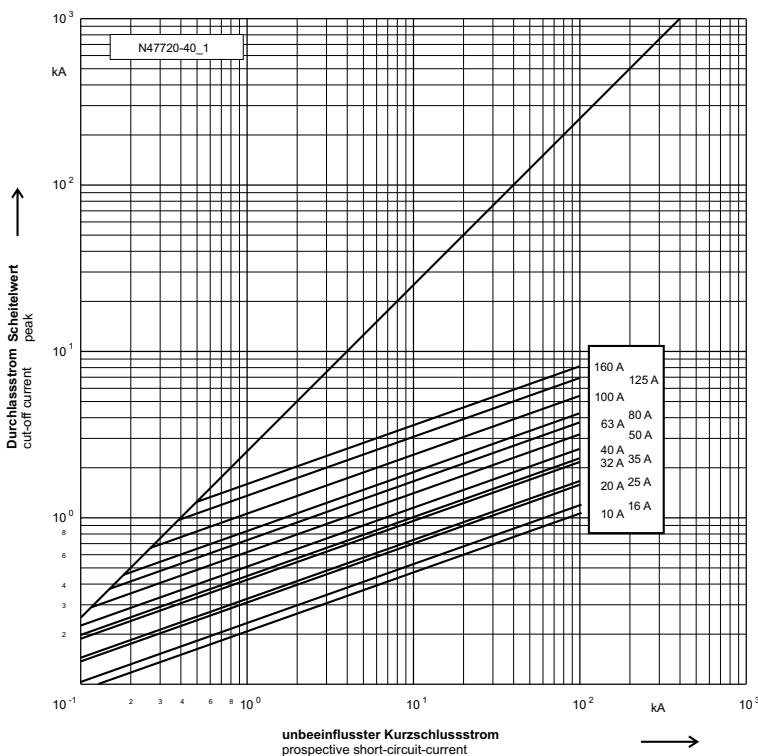
690 V

NH000 - 00

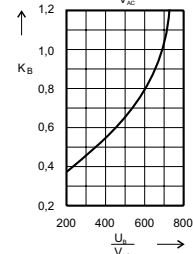
Zeit/Strom-Kennlinien
Time-current characteristics



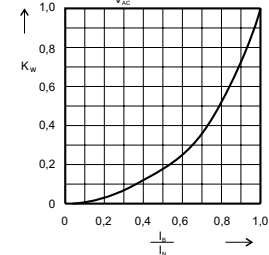
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram




Umrechnungsfaktor für den Ausschalt i^2t -Wert
Reduction factor for total i^2t -value



Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

690 V

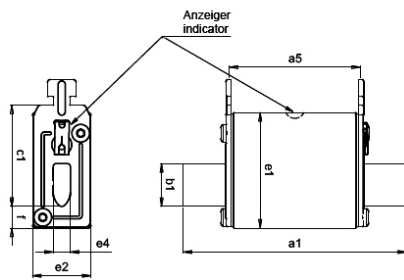
NH 000

 usE180276

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

Betriebsklasse / Class
aR

IEC 60 269-4
VDE 0636-4
UL 248-13



20 477 32

| Artikel Nr. Article No. | Größe Size | Länge Lengh L | | | | | | | | |
|----------------------------|---------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|
| | | In/A | a ₅ | a ₁ | b ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ |
| | | A | mm | mm | mm | mm | mm | mm | mm | mm |
| 20 477 32 | NH000 | 10-250 | 47 | 78 | 15 | 6 | 40,5 | 20,5 | 7 | 35 |

Bemessungsausschaltvermögen / Rated breaking capacity **200 kA AC 760 V**

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse class | Bemessungs- spannung Rated Voltage | Schmelzintegral Pre-Arcing I ² t-Value | Ausschaltintegral Total I ² t-Value | Leistungsabgabe Power Loss |
|----------------------------------|--|-------------------|------------------------------|--|--|---|-------------------------------|
| A | mit Kombimelder* with combi indicator | kg / 1 | | V | A ² s | @ AC 690 V | W |
| 10 RC 6 | 20 477 32.10 | 0,13 | aR | 690 | 4 | 29 | 0,6 |
| 16 RC 10 | 20 477 32.16 | 0,13 | aR | 690 | 7 | 49 | 1 |
| 20 RC 12 | 20 477 32.20 | 0,13 | aR | 690 | 12 | 90 | 1,5 |
| 25 RC 15 | 20 477 32.25 | 0,13 | aR | 690 | 16 | 120 | 2,5 |
| 32 RC 20 | 20 477 32.32 | 0,13 | aR | 690 | 35 | 260 | 3 |
| 40 RC 24 | 20 477 32.40 | 0,13 | aR | 690 | 65 | 480 | 3,3 |
| 50 RC 30 | 20 477 32.50 | 0,13 | aR | 690 | 120 | 850 | 3,5 |
| 63 RC 38 | 20 477 32.63 | 0,13 | aR | 690 | 250 | 1.750 | 4 |
| 80 RC 48 | 20 477 32.80 | 0,13 | aR | 690 | 410 | 2.900 | 5 |
| 100 RC 60 | 20 477 32.100 | 0,13 | aR | 690 | 650 | 4.800 | 6,5 |
| 125 RC 75 | 20 477 32.125 | 0,13 | aR | 690 | 1.150 | 8.500 | 7,5 |
| 160 RC 96 | 20 477 32.160 | 0,13 | aR | 690 | 2.250 | 16.500 | 9,5 |
| 200 RC 120 | 20 477 32.200 | 0,13 | aR | 690 | 4.600 | 34.000 | 10 |
| 224 RC 135 | 20 477 32.224 | 0,13 | aR | 690 | 5.600 | 42.000 | 11 |
| 250 RC 150 | 20 477 32.250 | 0,13 | aR | 690 | 7.800 | 58.000 | 12 |

Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

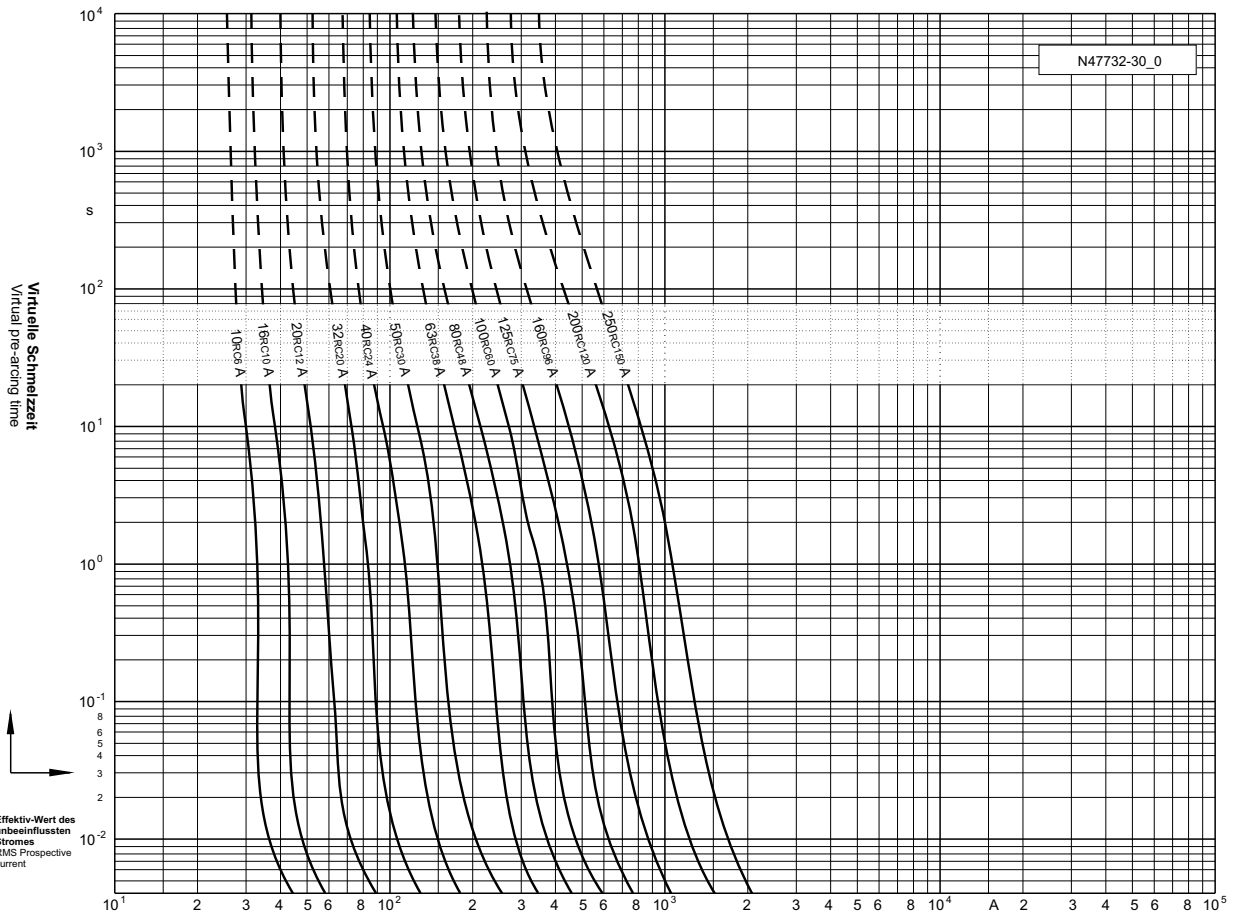
| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,3 | 0,6 | 0,8 |

690 V

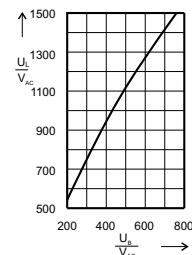
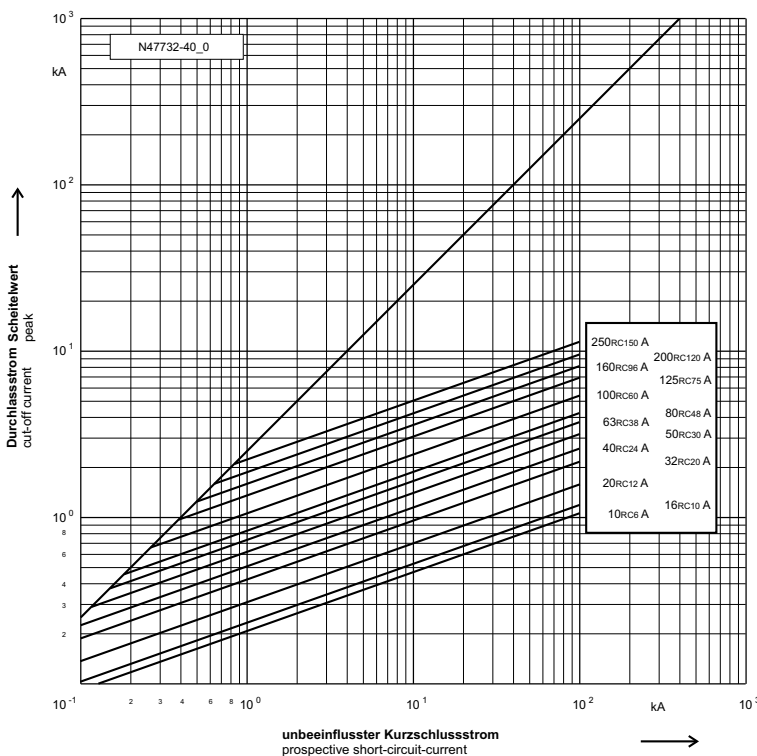
NH 000

RU usE180276

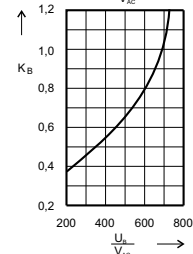
Zeit/Strom-Kennlinien
Time-current characteristics



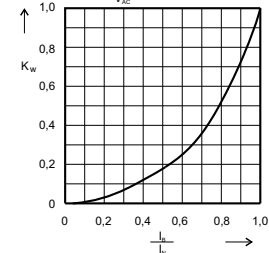
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



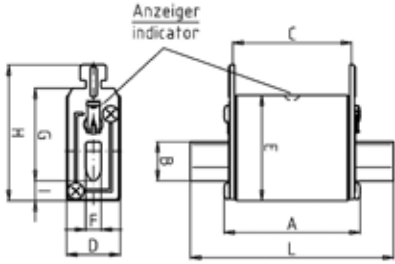
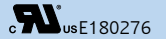
Umrechnungsfaktor für den Ausschalt i²t-Wert
Reduction factor for total i²t-value



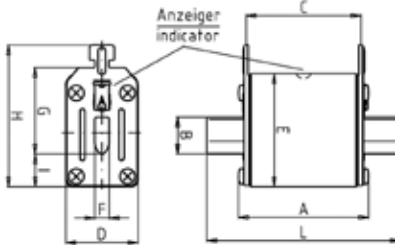
Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

690 V

NH000 - 00



20 477 34



20 209 34

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

Betriebsklasse / Class
gRL (gS)

IEC 60 269-4
VDE 0636-4
UL 248-13

| Artikel Nr. Article No. | Größe Size | Länge Lengh L | | | | | | | | | | |
|----------------------------|---------------|------------------|----|----|----|------|------|----|----|----|----|----|
| | | In/A | A | B | C | D | E | F | G | H | I | L |
| | | A | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 20 477 34* | NH000 | 16-80 | 54 | 15 | 47 | 20,5 | 40,5 | 6 | 35 | 52 | 7 | 78 |
| 20 209 34* | NH00 | 100-200 | | | | 29,5 | 46 | | | 58 | 13 | |

Bemessungsausschaltvermögen / Rated breaking capacity **200 kA AC 700 V**

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage | | Schmelzintegral Pre-Arcing I ² t-Value | Ausschaltintegral Total I ² t-Value | Leistungsabgabe Power Loss |
|----------------------------------|--|-------------------|--|--------------|--|---|-------------------------------|
| | mit Kombimelder* with combi indicator | | IEC 60269-4 | UL 248-13 | | @ AC 690 V | |
| A | | kg / 1 | V | V | A²s | A²s | W |
| 16 | 20 477 34.16 | 0,13 | 690 | 700 | 18 | 180 | 3,2 |
| 20 | 20 477 34.20 | 0,13 | 690 | 700 | 41 | 410 | 3,6 |
| 25 | 20 477 34.25 | 0,13 | 690 | 700 | 74 | 740 | 4,2 |
| 35 | 20 477 34.35 | 0,13 | 690 | 700 | 170 | 1.700 | 5,2 |
| 40 | 20 477 34.40 | 0,13 | 690 | 700 | 300 | 3.000 | 5,6 |
| 50 | 20 477 34.50 | 0,13 | 690 | 700 | 460 | 4.600 | 6,5 |
| 63 | 20 477 34.63 | 0,13 | 690 | 700 | 840 | 8.400 | 7,6 |
| 80 | 20 477 34.80 | 0,13 | 690 | 700 | 1.800 | 18.000 | 8,8 |
| 100 | 20 209 34.100 | 0,21 | 690 | 700 | 3.000 | 30.000 | 10,5 |
| 125 | 20 209 34.125 | 0,21 | 690 | 700 | 6.000 | 60.000 | 12 |
| 160 | 20 209 34.160 | 0,21 | 690 | 700 | 10.400 | 80.000 | 17 |
| 200 | 20 209 34.200 | 0,21 | 690 | 700 | 16.000 | 110.000 | 21 |

Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

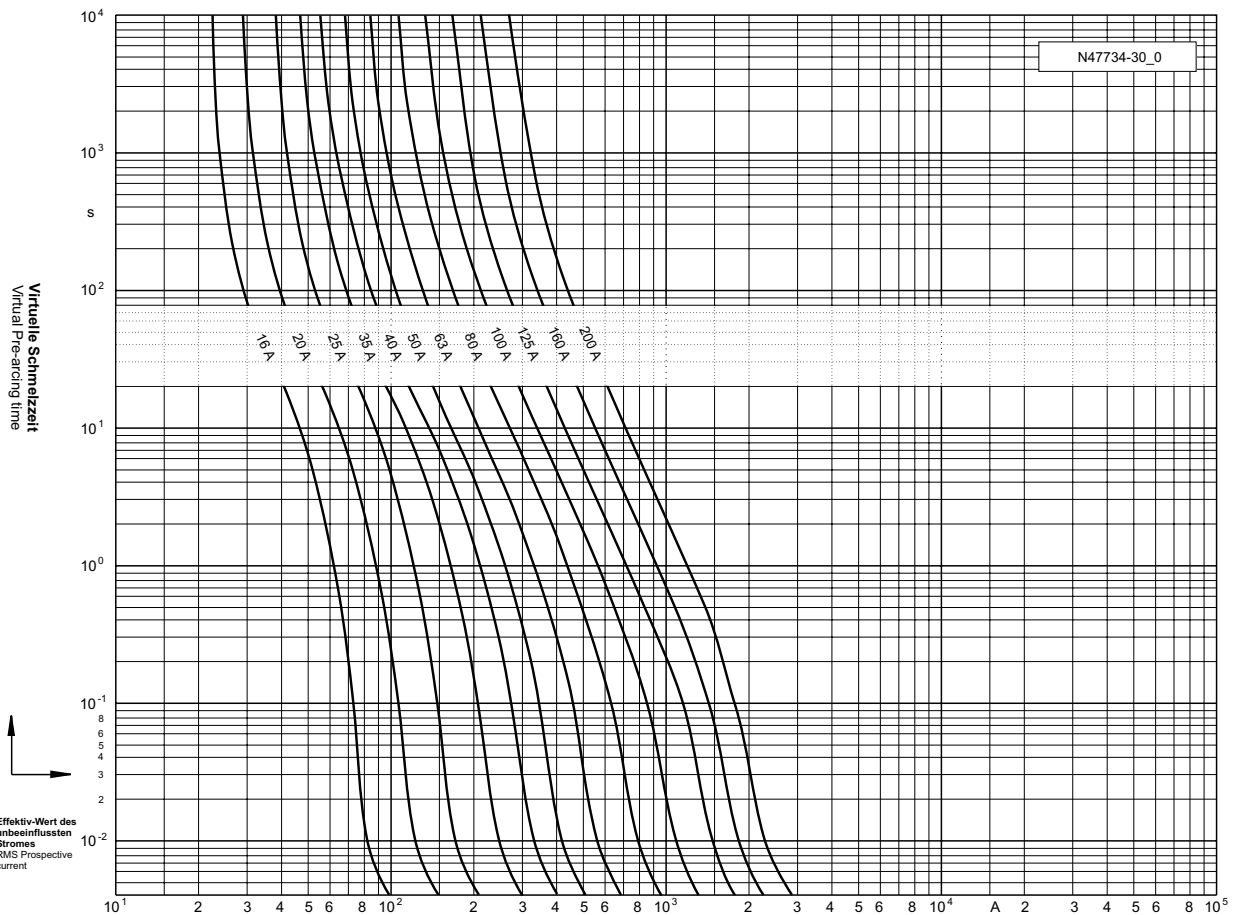
| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 1,0 | 1,25 | 0,5 | 0,8 |

690 V

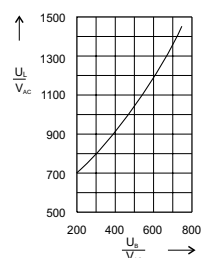
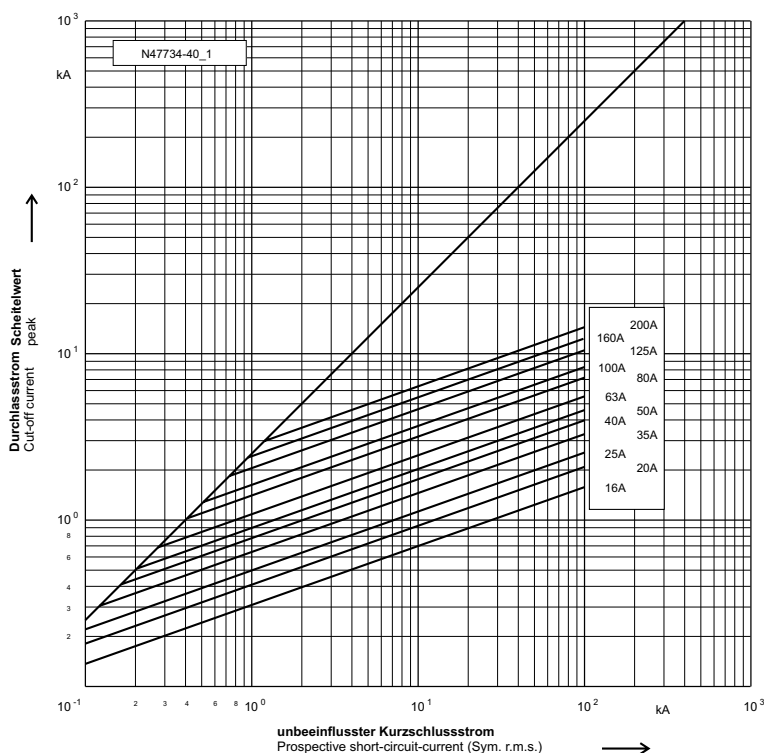
NH000 - 00

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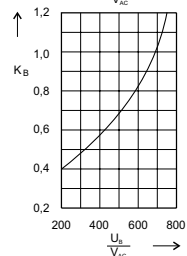
Zeit/Strom-Kennlinien
Time-current characteristics



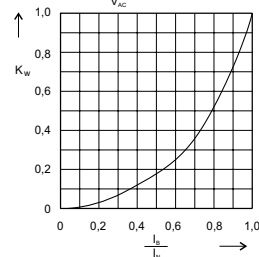
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



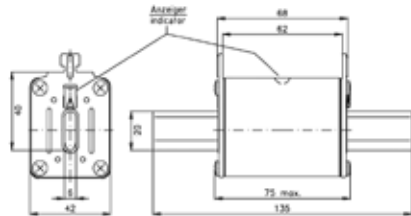
Umrechnungsfaktor für den Ausschalt i²t-Wert
Reduction factor for total i²t-value



Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

690 V

NH 1



20 211 20

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

Betriebsklasse / Class
gR / aR

IEC 60 269-4
VDE 0636-4

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| 690 | 20 211 20 | NH 1 | 40-315 |

Bemessungsausschaltvermögen / Rated breaking capacity 100 kA

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ AC 690 V | Leistungs- abgabe Power Loss |
|----------------------------------|--|-------------------|------------------------------|--|---|--|------------------------------------|
| A | mit Kombimelder* with combi indicator | kg / 1 | | V | A ² s | A ² s | W |
| 40 | 20 211 20.40 | 0,55 | gR | 690 | 80 | 570 | 8,0 |
| 50 | 20 211 20.50 | 0,55 | gR | 690 | 140 | 1.000 | 11 |
| 63 | 20 211 20.63 | 0,55 | gR | 690 | 250 | 1.800 | 14 |
| 80 | 20 211 20.80 | 0,55 | gR | 690 | 470 | 3.400 | 20 |
| 100 | 20 211 20.100 | 0,55 | gR | 690 | 650 | 4.700 | 24 |
| 125 | 20 211 20.125 | 0,55 | aR | 690 | 1.050 | 7.600 | 31 |
| 160 | 20 211 20.160 | 0,55 | aR | 690 | 1.900 | 14.000 | 42 |
| 200 | 20 211 20.200 | 0,55 | aR | 690 | 2.800 | 21.000 | 52 |
| 250 | 20 211 20.250 | 0,55 | aR | 690 | 5.000 | 36.000 | 71 |
| 315 | 20 211 20.315 | 0,55 | aR | 690 | 11.000 | 76.000 | 88 |

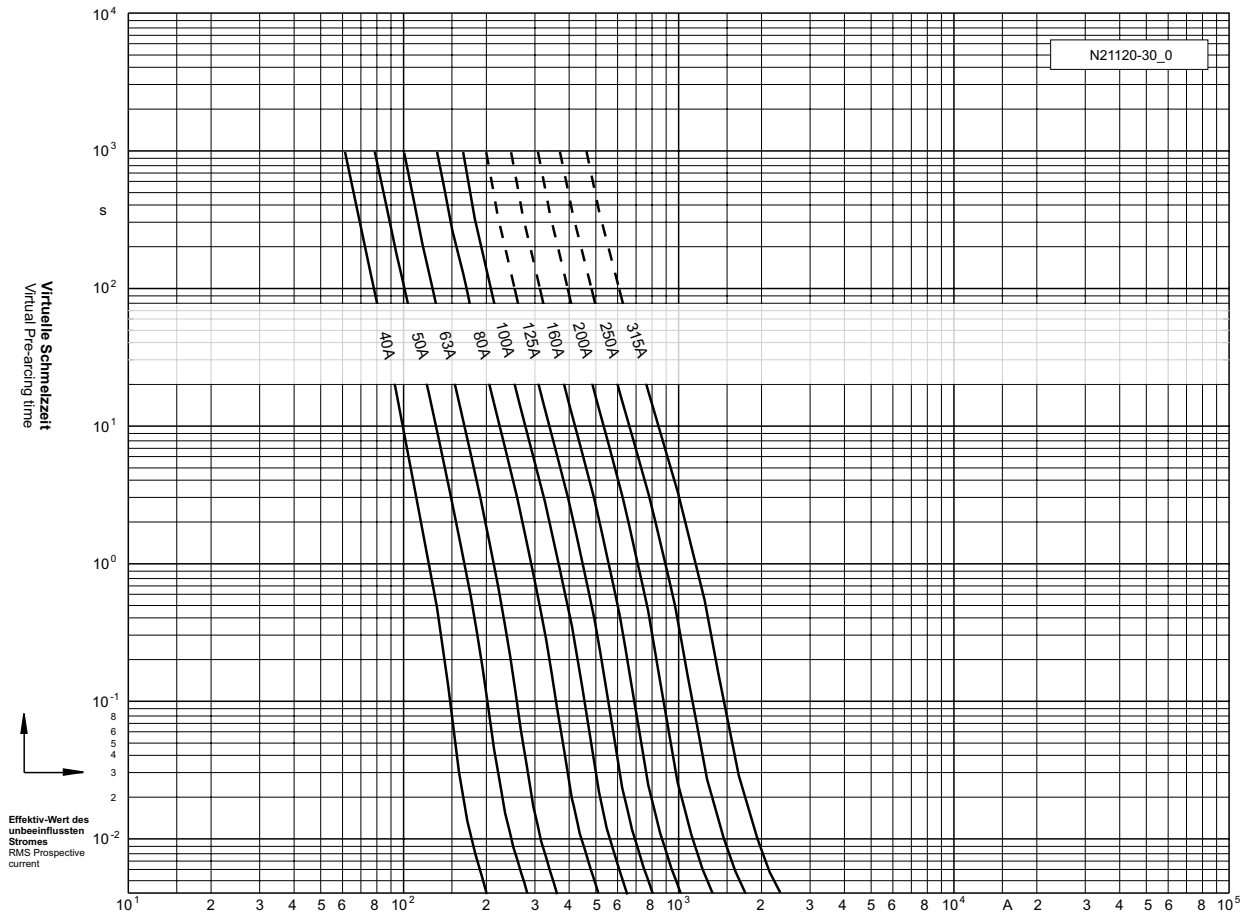
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,3 | 0,6 | 0,8 |

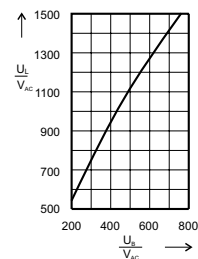
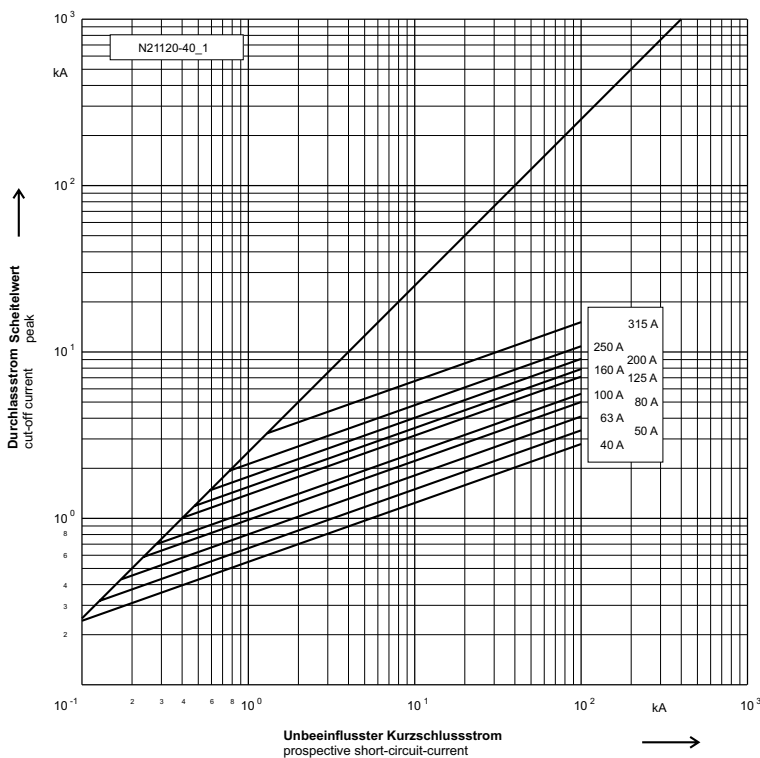
690 V

NH 1

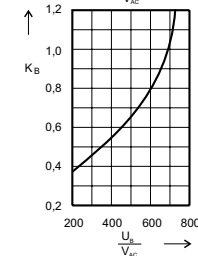
Zeit/Strom-Kennlinien
Time-current characteristics



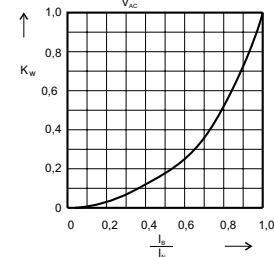
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



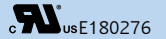
Umrechnungsfaktor für den Ausschalt i^2t -Wert
Reduction factor for total i^2t -value



Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

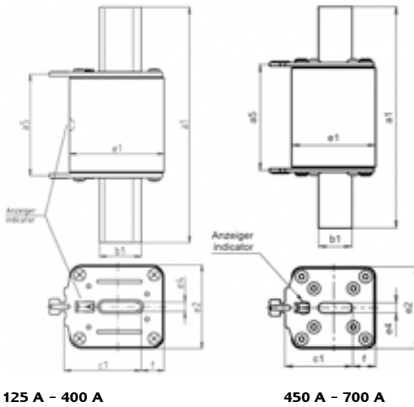
690 V

NH 1



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|-------------------------------------|---|
| Betriebsklasse / Class aR | IEC 60 269-4 VDE 0636-4 UL 248-13 |
|-------------------------------------|---|



| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | |
|--|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|
| | | | | a ₅ | a ₁ | b ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm |
| 690 | 20 211 32 | 1 | 125-400 | 65 | 135 | 20 | 6 | 51,5 | 42 | 14 | 40 |
| | | | 450-700 | | | | 50 | 50 | | | |

Bemessungsausschaltvermögen / Rated breaking capacity
 120 kA AC 760 V
 30 kA DC 550 V (125-400A)
 30 kA DC 500 V (450-700 A)

| Bemessungsstrom Rated Current | Artikel Nr. | Gewicht Weight | Bemessungs- spannung Rated Voltage | | Schmelzintegral Pre-Arcing I ² t-Value | Ausschaltintegral Total I ² t-Value | Leistungsabgabe Power Loss |
|----------------------------------|--|-------------------|--|--------------|--|---|-------------------------------|
| | Article No. | | IEC 60269-4 | UL 248-13 | | @ AC 690 V | |
| | mit Kombimelder* with combi indicator | | V | V | A ² s | A ² s | |
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 125 RC 75 | 20 211 32.125 | 0,48 | 690 | 700 | 570 | 3.900 | 11 |
| 160 RC 95 | 20 211 32.160 | 0,48 | 690 | 700 | 1.200 | 8.200 | 13 |
| 200 RC 120 | 20 211 32.200 | 0,48 | 690 | 700 | 2.500 | 16.000 | 15 |
| 250 RC 150 | 20 211 32.250 | 0,48 | 690 | 700 | 5.300 | 35.000 | 16 |
| 315 RC 190 | 20 211 32.315 | 0,48 | 690 | 700 | 8.200 | 55.000 | 20 |
| 350 RC 210 | 20 211 32.350 | 0,48 | 690 | 700 | 10.000 | 73.000 | 24 |
| 400 RC 240 | 20 211 32.400 | 0,48 | 690 | 700 | 16.000 | 120.000 | 26 |
| 450 RC 270 | 20 211 32.450 | 0,55 | 690 | 700 | 32.000 | 150.000 | 23 |
| 500 RC 300 | 20 211 32.500 | 0,55 | 690 | 700 | 36.000 | 185.000 | 26 |
| 550 RC 330 | 20 211 32.550 | 0,55 | 690 | 700 | 47.000 | 230.000 | 27 |
| 630 RC 350 | 20 211 32.630 | 0,55 | 690 | 700 | 64.000 | 340.000 | 28 |
| 700 RC 380 | 20 211 32.700 | 0,55 | 690 | 700 | 84.000 | 440.000 | 32 |

Applikationskoeffizienten / Application coefficients
 (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

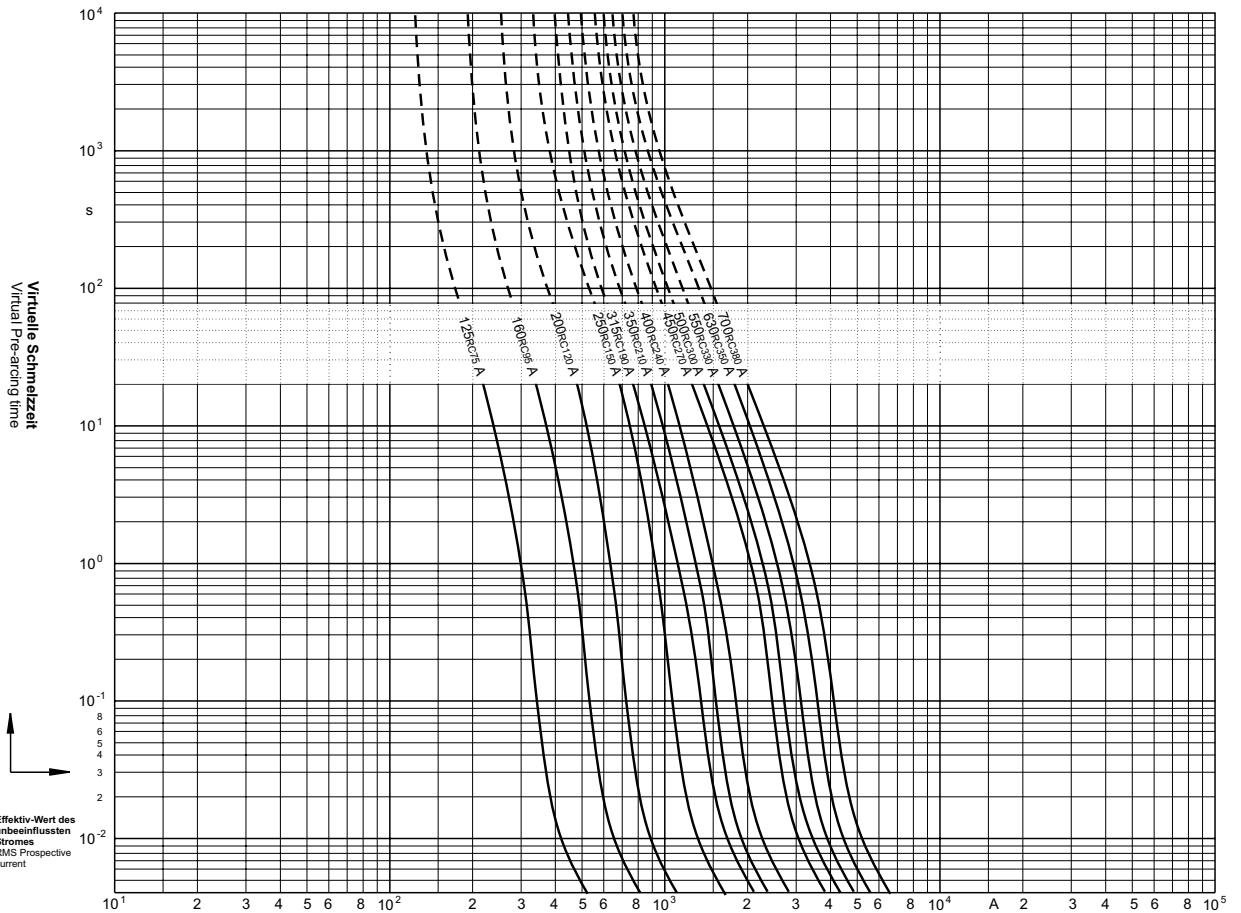
| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 1,0 | 1,25 | 0,6 | 0,8 |

690 V

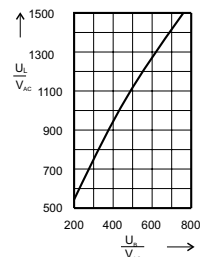
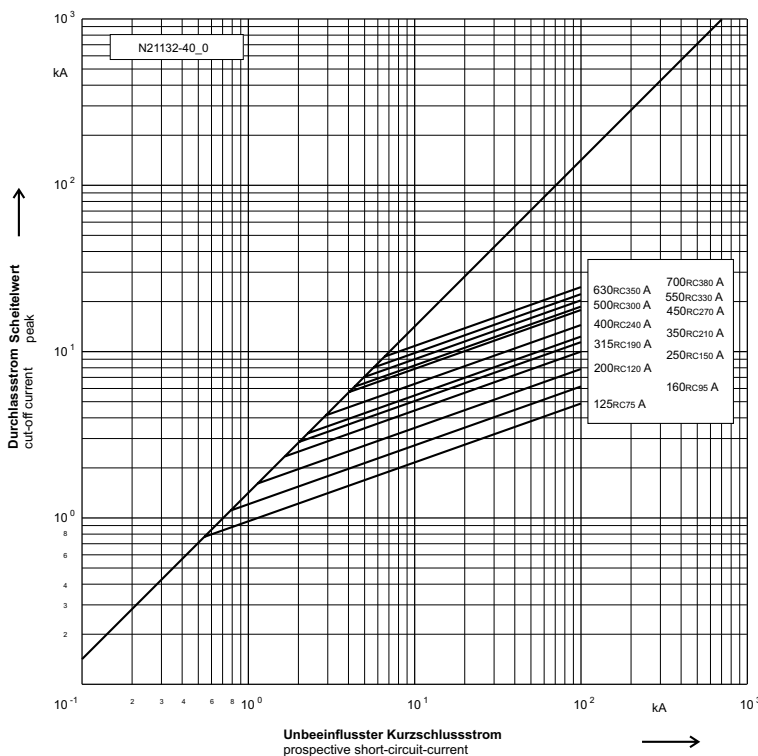
NH 1

usE180276

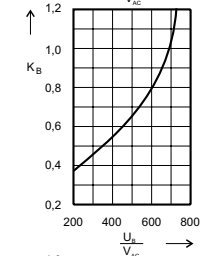
Zeit/Strom-Kennlinien
Time-current characteristics



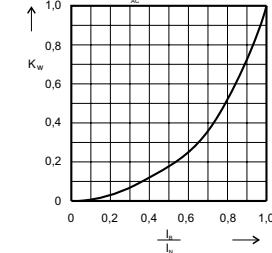
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



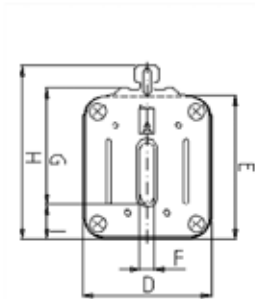
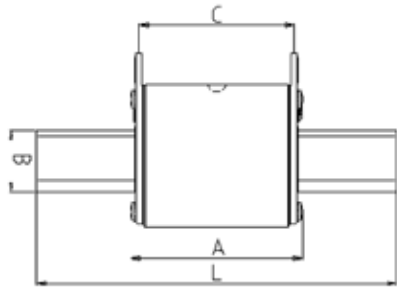
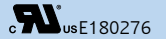
Umrechnungsfaktor für den Ausschalt i^2t -Wert
Reduction factor for total i^2t -value



Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

690 V

NH 1



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

Betriebsklasse / Class
gRL (gS)

IEC 60 269-4
VDE 0636-4
UL 248-13

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Länge Length | | | | | | | | | |
|--|---------------------------|-----------------|----|----|----|------|----|----|----|----|-----|
| | | A | B | C | D | E | F | G | H | I | L |
| V | | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 690 / 700 | 20 211 34 | 75 | 20 | 65 | 42 | 51,5 | 6 | 40 | 64 | 14 | 135 |

Bemessungsausschaltvermögen / Rated breaking capacity **200 kA AC 700 V/UL**
32 kA DC 500 V

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage | | Schmelzintegral Pre-Arcing I ² t-Value | Ausschaltintegral Total I ² t-Value | Leistungsabgabe Power Loss |
|----------------------------------|--|-------------------|--|--------------|--|---|-------------------------------|
| | mit Kombimelder* with combi indicator | | IEC 60269-4 | UL 248-13 | | @ AC 690 V | |
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 63 | 20 211 34.63 | 0,47 | 690 | 700 | 840 | 5.300 | 8,0 |
| 80 | 20 211 34.80 | 0,47 | 690 | 700 | 1.800 | 11.300 | 9,5 |
| 100 | 20 211 34.100 | 0,47 | 690 | 700 | 3.000 | 19.000 | 12,0 |
| 125 | 20 211 34.125 | 0,47 | 690 | 700 | 6.000 | 38.000 | 12,6 |
| 160 | 20 211 34.160 | 0,47 | 690 | 700 | 7.400 | 47.000 | 23 |
| 200 | 20 211 34.200 | 0,47 | 690 | 700 | 15.000 | 95.000 | 27 |
| 250 | 20 211 34.250 | 0,47 | 690 | 700 | 30.000 | 190.000 | 33 |
| 315 | 20 211 34.315 | 0,47 | 690 | 700 | 43.000 | 271.000 | 44 |

Applikationskoeffizienten / Application coefficients
(Weiterführende Informationen siehe Seite 13 / for more information see page 13)


| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 1,0 | 1,25 | 0,5 | 0,8 |

Geprüftes DC Schaltvermögen
Tested DC breaking capacity

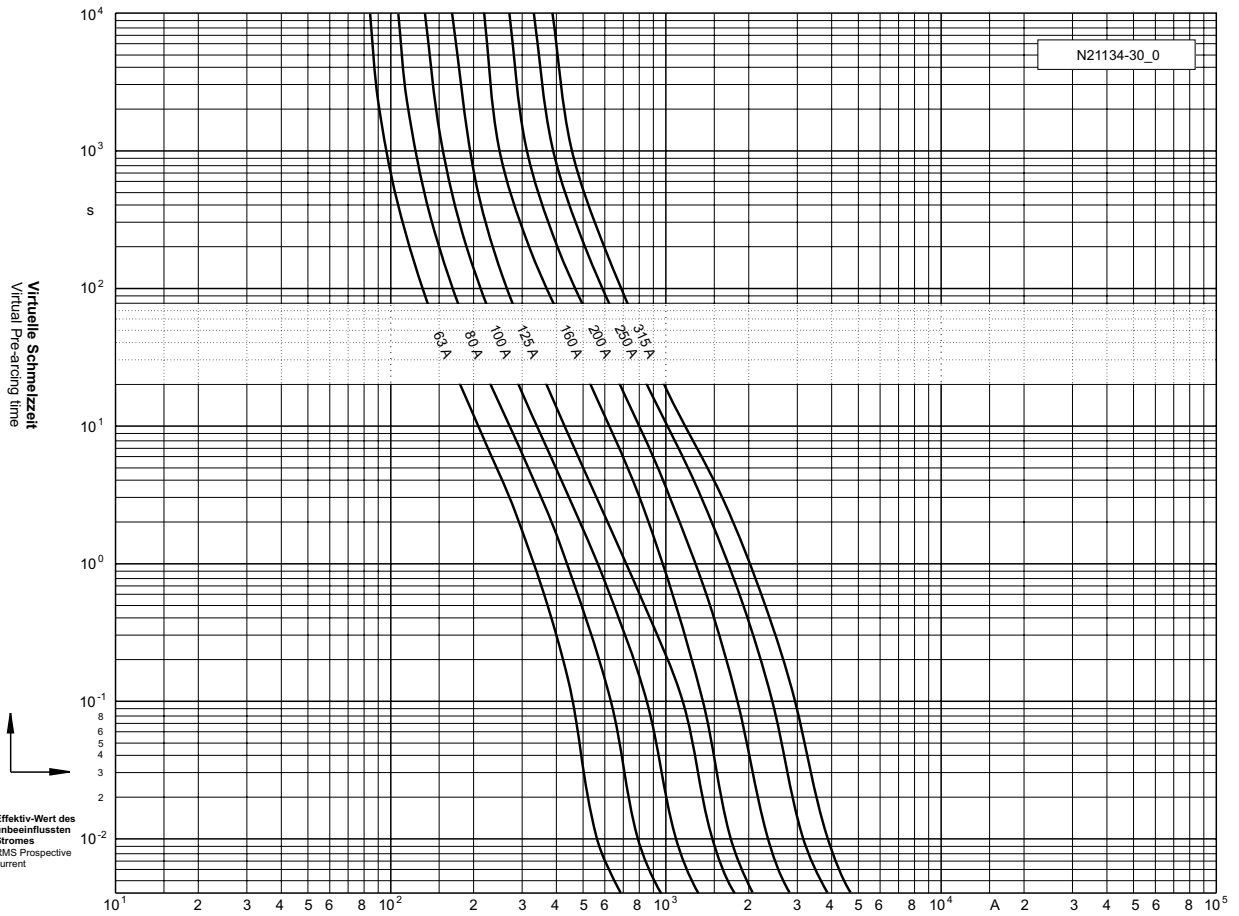
| I _{max} | I _{min} |
|--------------------------------|------------------------------|
| 32 kA @ DC 500V L/R = 12 ms | 2 x I _n @ DC 500V |

690 V

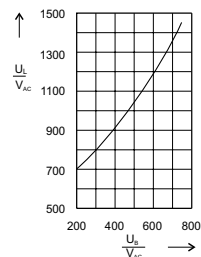
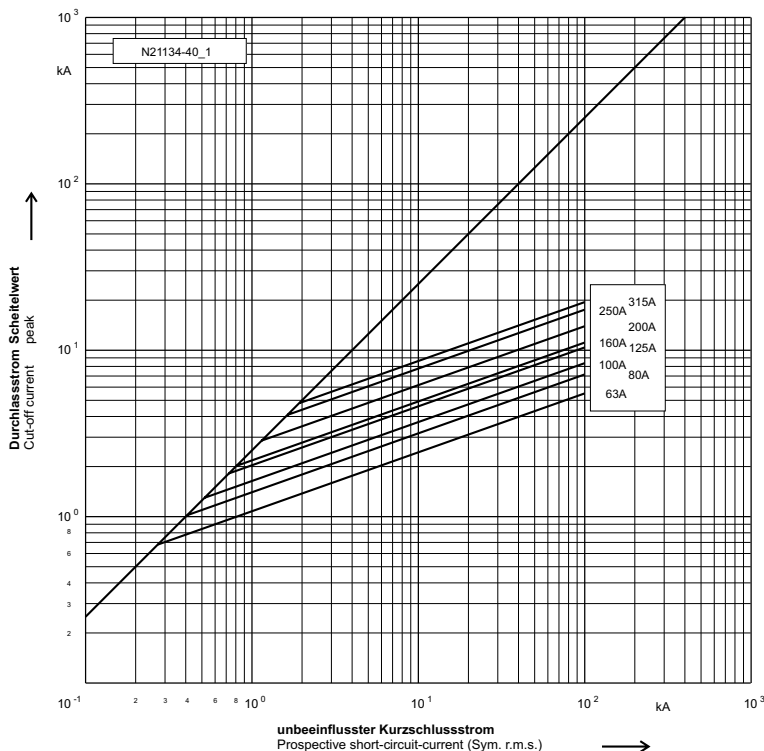
NH 1

c  usE180276

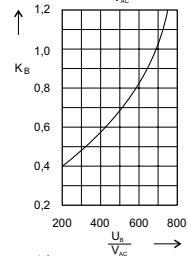
Zeit/Strom-Kennlinien
Time-current characteristics



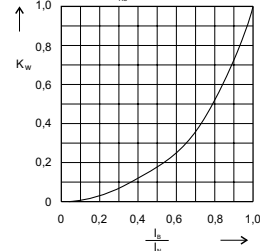
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



Umrechnungsfaktor für den Ausschalt i²t-Wert
Reduction factor for total i²t-value

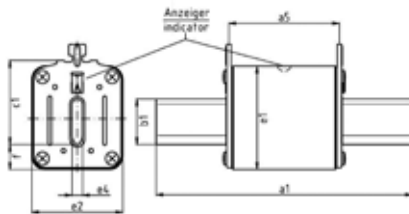


Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

690 V

NH 2

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



20 212 20

| | |
|-------------------------------------|--|
| Betriebsklasse / Class aR | IEC 60 269-4 VDE 0636-4 |
|-------------------------------------|--|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | |
|--|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|
| | | | | a ₅ | a ₁ | B ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm |
| 690 | 20 212 20 | 2 | 160-250 | 65 | 150 | 20 | 6 | 51,5 | 42 | 14 | 48 |
| | | | 315-450 | 26 | 59 | 53 | | | | | |

Bemessungsausschaltvermögen / Rated breaking capacity 100 kA

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ AC 690 V | Leistungs- abgabe Power Loss |
|----------------------------------|--|-------------------|------------------------------|--|---|--|------------------------------------|
| A | mit Kombimelder* with combi indicator | kg / 1 | | V | A ² s | A ² s | W |
| 160 | 20 212 20.160 | 0,52 | aR | 690 | 1.900 | 14.000 | 42 |
| 200 | 20 212 20.200 | 0,52 | aR | 690 | 2.800 | 21.000 | 52 |
| 250 | 20 212 20.250 | 0,52 | aR | 690 | 5.000 | 36.000 | 71 |
| 315 | 20 212 20.315 | 0,68 | aR | 690 | 11.000 | 76.000 | 79 |
| 350 | 20 212 20.350 | 0,68 | aR | 690 | 14.000 | 100.000 | 85 |
| 400 | 20 212 20.400 | 0,68 | aR | 690 | 20.000 | 145.000 | 95 |
| 450 | 20 212 20.450 | 0,68 | aR | 690 | 30.000 | 220.000 | 100 |

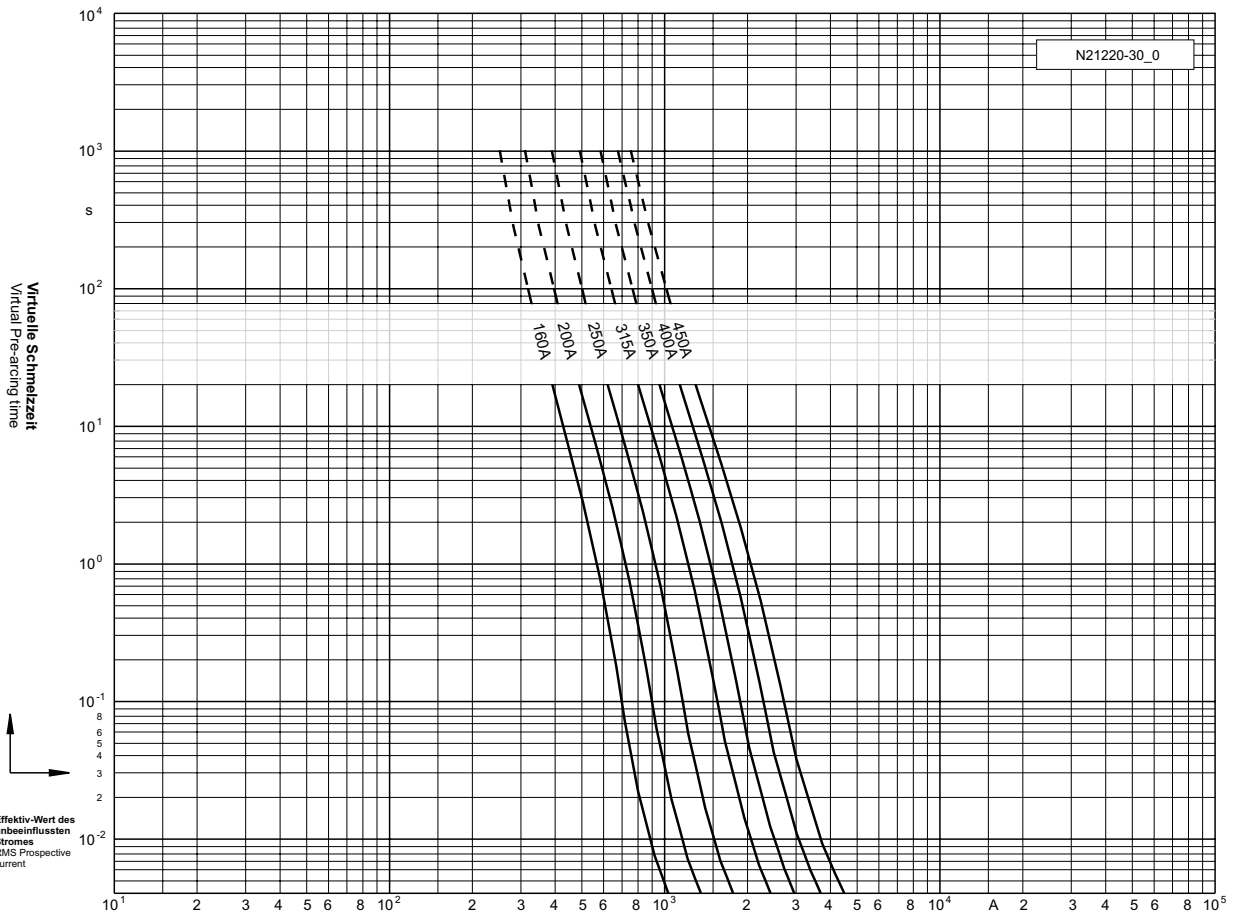
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,3 | 0,6 | 0,8 |

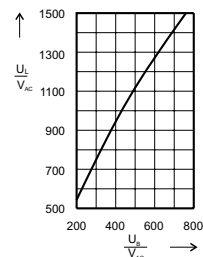
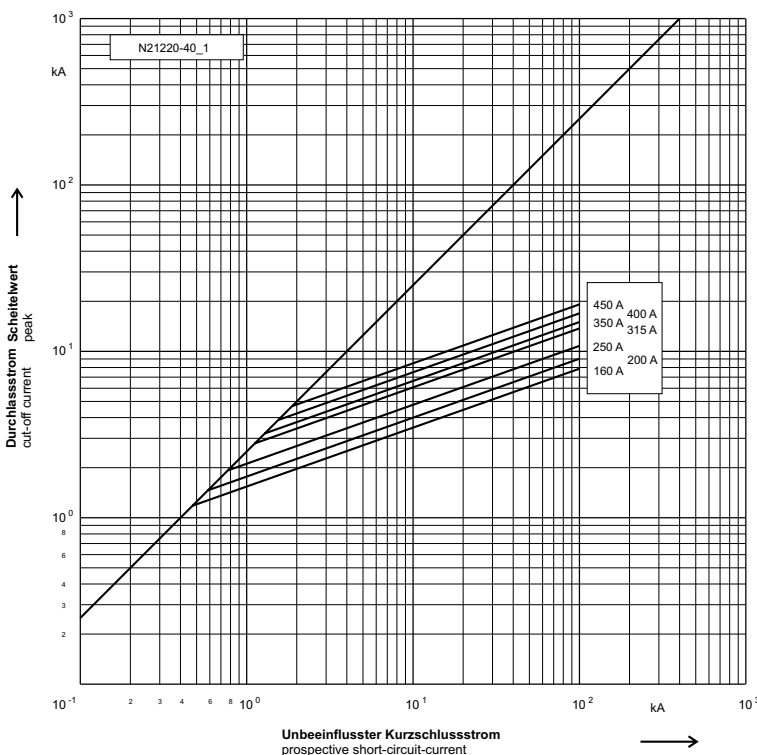
690 V

NH 2

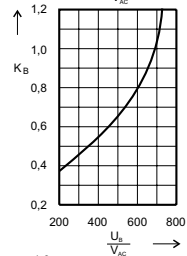
Zeit/Strom-Kennlinien
Time-current characteristics



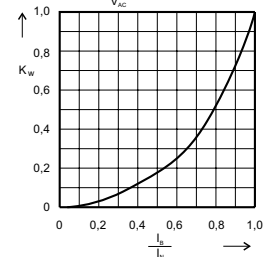
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



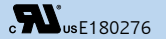
Umrechnungsfaktor für den Ausschalt i^2t -Wert
Reduction factor for total i^2t -value



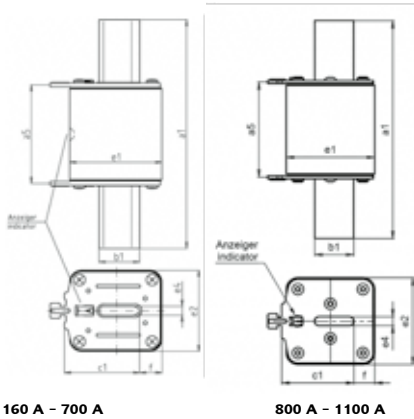
Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

690 V

NH 2



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



| | | | |
|-------------------------------------|--|---|--|
| Betriebsklasse / Class aR | | IEC 60 269-4 VDE 0636-4 UL 248-13 | |
|-------------------------------------|--|---|--|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | |
|--|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|
| | | | | a ₅ | a ₁ | b ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm |
| 690 | 20 212 32 | 2 | 160-350 | 65 | 150 | 20 | 6 | 51,5 | 42 | 14 | 48 |
| | | | 400-700 | | | 59 | | | | | |
| | | | 800-1100 | 26 | 59 | | | | | | |

Bemessungsausschaltvermögen / Rated breaking capacity

- 120 kA AC 760 V
- 30 kA DC 550 V (160-700A)
- 30 kA DC 500 V (800-1100 A)

| Bemessungsstrom Rated Current | Artikel Nr. | Gewicht Weight | Bemessungs- spannung Rated Voltage | | Schmelzintegral Pre-Arcing I ² t-Value | Ausschaltintegral Total I ² t-Value | Leistungsabgabe Power Loss | | |
|----------------------------------|--|-------------------|--|--------------|--|---|-------------------------------|------------------|------------------|
| | Article No. | | IEC 60269-4 | UL 248-13 | | | | @ AC 690 V | @ RC |
| | mit Kombimelder* with combi indicator | | V | V | | | | A ² s | A ² s |
| 160 RC 95 | 20 212 32.160 | 0,44 | 690 | 700 | 1.200 | 8.200 | 13 | | |
| 200 RC 120 | 20 212 32.200 | 0,44 | 690 | 700 | 2.500 | 16.900 | 15 | | |
| 250 RC 150 | 20 212 32.250 | 0,44 | 690 | 700 | 5.200 | 35.000 | 16 | | |
| 315 RC 190 | 20 212 32.315 | 0,44 | 690 | 700 | 8.200 | 55.000 | 20 | | |
| 350 RC 210 | 20 212 32.350 | 0,44 | 690 | 700 | 10.000 | 73.000 | 24 | | |
| 400 RC 240 | 20 212 32.400 | 0,55 | 690 | 700 | 12.000 | 82.000 | 30 | | |
| 450 RC 270 | 20 212 32.450 | 0,55 | 690 | 700 | 17.000 | 120.000 | 32 | | |
| 500 RC 300 | 20 212 32.500 | 0,55 | 690 | 700 | 23.000 | 155.000 | 34 | | |
| 550 RC 330 | 20 212 32.550 | 0,55 | 690 | 700 | 33.000 | 225.000 | 36 | | |
| 630 RC 380 | 20 212 32.630 | 0,55 | 690 | 700 | 47.000 | 310.000 | 40 | | |
| 700 RC 420 | 20 212 32.700 | 0,55 | 690 | 700 | 65.000 | 450.000 | 42 | | |
| 800 RC 480 | 20 212 32.800 | 0,68 | 690 | 700 | 125.000 | 600.000 | 41 | | |
| 900 RC 500 | 20 212 32.900 | 0,68 | 690 | 700 | 165.000 | 790.000 | 45 | | |
| 1000 RC 550 | 20 212 32.1000 | 0,68 | 690 | 700 | 195.000 | 1.100.000 | 42 | | |
| 1100 RC 600 | 20 212 32.1100 | 0,68 | 690 | 700 | 295.000 | 1.490.000 | 45 | | |

Applikationskoeffizienten / Application coefficients
(Weiterführende Informationen siehe Seite 13 / for more information see page 13)

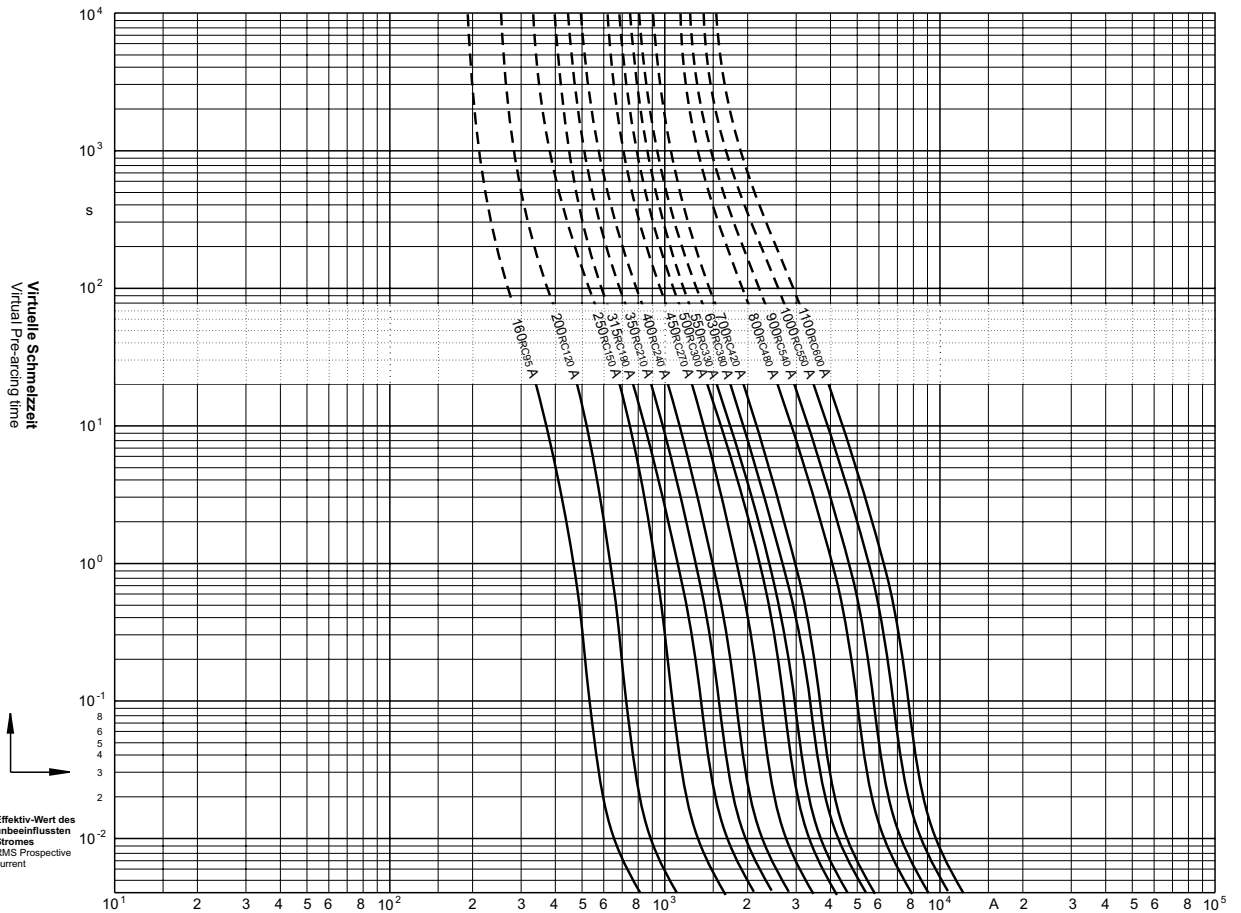
| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 1,0 | 1,25 | 0,6 | 0,8 |

690 V

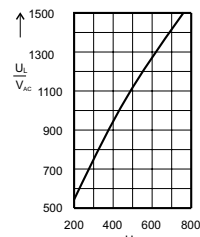
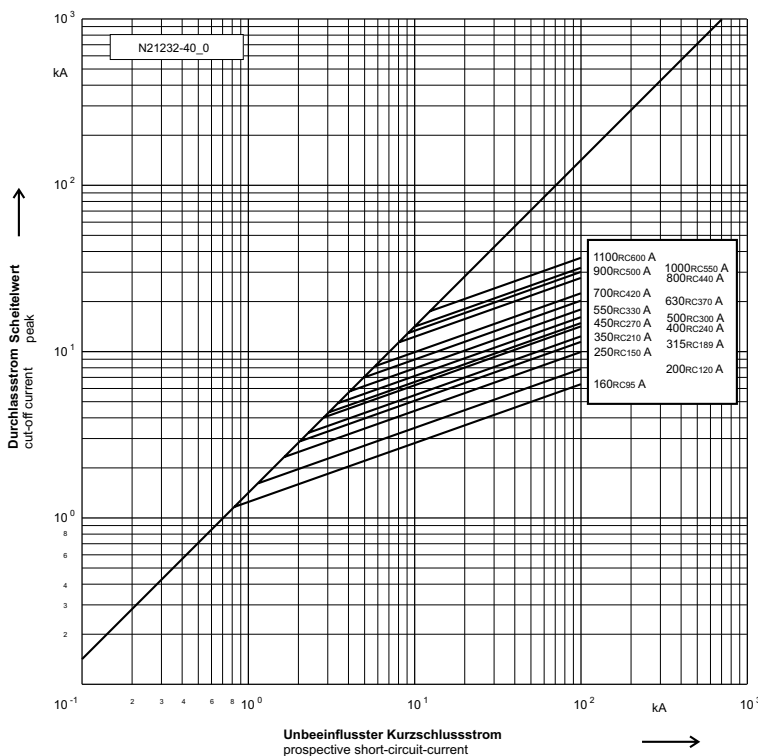
NH 2

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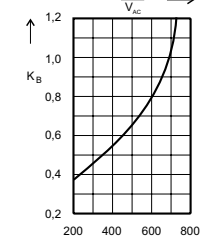
Zeit/Strom-Kennlinien
Time-current characteristics



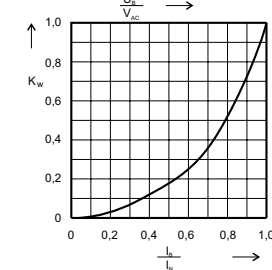
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



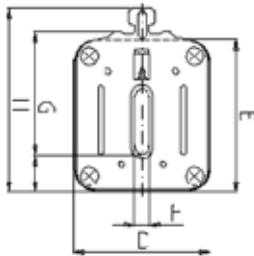
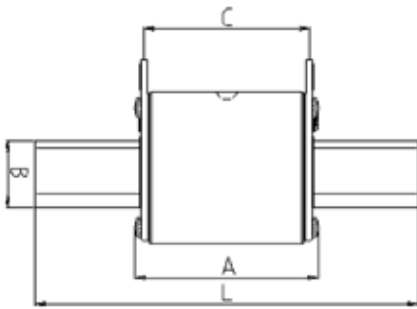
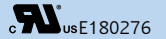
Umrechnungsfaktor für den Ausschalt i^2t -Wert
Reduction factor for total i^2t -value



Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

690 V

NH 2



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

Betriebsklasse / Class
gRL (gS)

IEC 60 269-4
VDE 0636-4
UL 248-13

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | In/A | Länge Length | | | | | | | | | | |
|--|---------------------------|-------|-----------------|----|----|----|------|----|----|----|----|-----|----|
| | | | A | B | C | D | E | F | G | H | I | L | |
| V | | A | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 690 / 700 | 20 211 34 | ≤ 250 | 75 | 20 | 65 | 42 | 51,5 | 6 | 40 | 64 | 14 | 135 | |
| | | ≥ 315 | | | | | | | | | | | |

Bemessungsausschaltvermögen / Rated breaking capacity 200 kA AC 700 V/UL
32 kA DC 500 V

| Bemessungsstrom Rated Current | Artikel Nr. | Gewicht Weight | Bemessungs- spannung Rated Voltage | | Schmelzintegral Pre-Arcing I ² t-Value | Ausschaltintegral Total I ² t-Value | Leistungsabgabe Power Loss |
|----------------------------------|--|-------------------|--|--------------|--|---|-------------------------------|
| | Article No. | | IEC 60269-4 | UL 248-13 | | @ AC 690 V | |
| | mit Kombimelder* with combi indicator | | V | V | A ² s | A ² s | |
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 125 | 20 212 34.125 | 0,51 | 690 | 700 | 6.000 | 38.000 | 13 |
| 160 | 20 212 34.160 | 0,51 | 690 | 700 | 7.400 | 47.000 | 23 |
| 200 | 20 212 34.200 | 0,51 | 690 | 700 | 15.000 | 95.000 | 27 |
| 250 | 20 212 34.250 | 0,51 | 690 | 700 | 30.000 | 190.000 | 30 |
| 315 | 20 212 34.315 | 0,69 | 690 | 700 | 43.000 | 271.000 | 40 |
| 350 | 20 212 34.350 | 0,69 | 690 | 700 | 58.000 | 310.000 | 43 |
| 400 | 20 212 34.400 | 0,69 | 690 | 700 | 85.000 | 442.000 | 48 |
| 450 | 20 212 34.450 | 0,69 | 690 | 700 | 107.000 | 560.000 | 50 |
| 500 | 20 212 34.500 | 0,69 | 690 | 700 | 170.000 | 880.000 | 63 |

Applikationskoeffizienten / Application coefficients
(Weiterführende Informationen siehe Seite 13 / for more information see page 13)

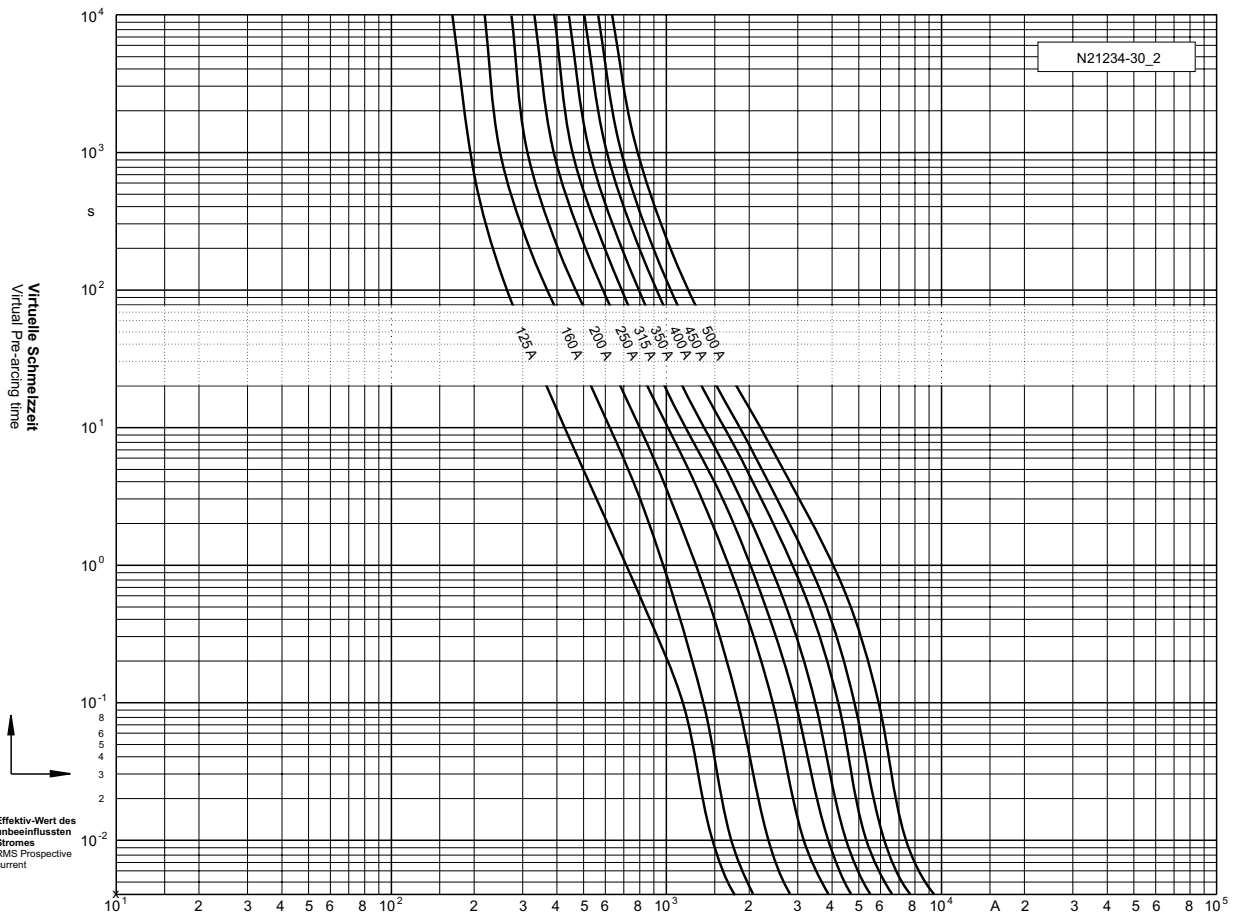
| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 1,0 | 1,25 | 0,5 | 0,8 |

Geprüftes DC Schaltvermögen
Tested DC breaking capacity

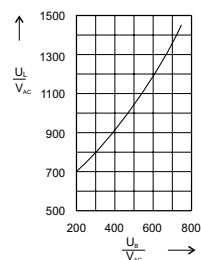
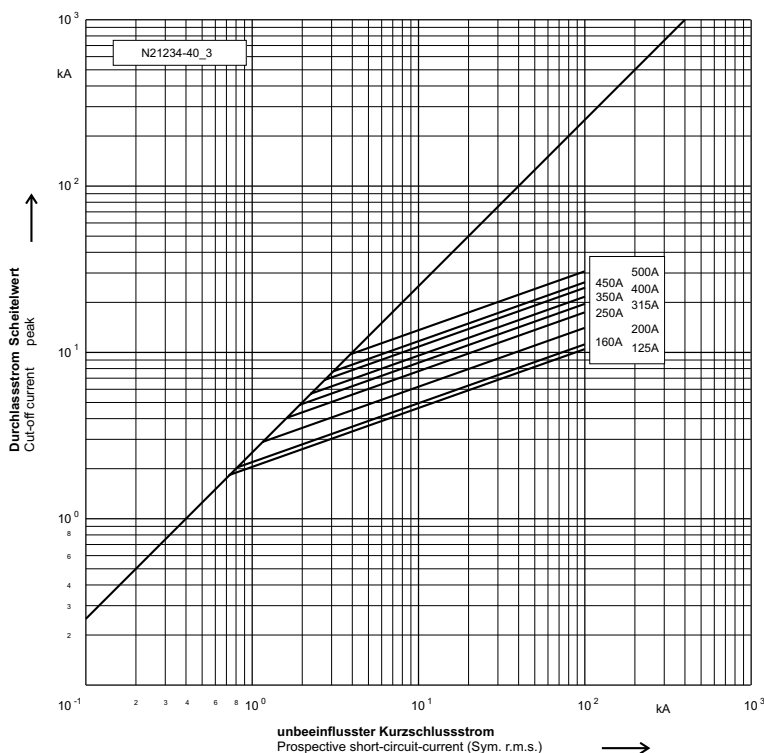
| I _{max} | I _{min} |
|--------------------------------|------------------------------|
| 32 kA @ DC 500V L/R = 12 ms | 2 x I _n @ DC 500V |

690 V NH 2 c  usE180276

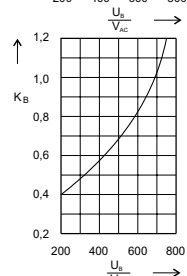
Zeit/Strom-Kennlinien
Time-current characteristics



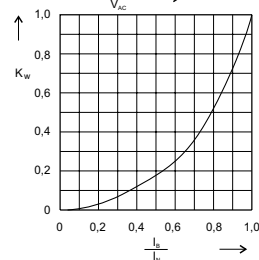
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



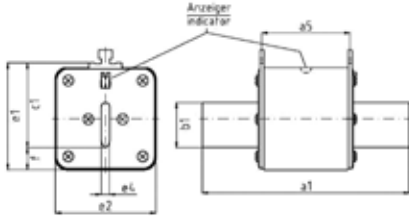
Umrechnungsfaktor für den Ausschalt i^2t-Wert
Reduction factor for total i²t-value



Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

690 V

NH 3



20 213 20

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|-------------------------------------|--|
| Betriebsklasse / Class aR | IEC 60 269-4 VDE 0636-4 |
|-------------------------------------|--|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | |
|--|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|
| | | | | a ₅ | a ₁ | B ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm |
| 690 | 20 213 20 | 3 | 315-400 | 65 | 150 | 26 | 6 | 59 | 53 | 14 | 60 |
| | | | 450-710 | | | 32 | | 73,5 | 65 | 17 | |
| | | | 800 | | | 32 | | 73 | 73 | 16 | |

Bemessungsausschaltvermögen / Rated breaking capacity 100 kA

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ AC 690 V | Leistungs- abgabe Power Loss |
|----------------------------------|--|-------------------|------------------------------|--|---|--|------------------------------------|
| A | mit Kombimelder* with combi indicator | kg / 1 | | V | A ² s | A ² s | W |
| 315 | 20 213 20.315 | 0,99 | aR | 690 | 11.000 | 76.000 | 79 |
| 350 | 20 213 20.350 | 0,99 | aR | 690 | 14.000 | 100.000 | 85 |
| 400 | 20 213 20.400 | 0,99 | aR | 690 | 20.000 | 150.000 | 95 |
| 450 | 20 213 20.450 | 0,99 | aR | 690 | 30.000 | 220.000 | 95 |
| 500 | 20 213 20.500 | 0,99 | aR | 690 | 42.000 | 300.000 | 100 |
| 550 | 20 213 20.550 | 0,99 | aR | 690 | 55.000 | 400.000 | 110 |
| 630 | 20 213 20.630 | 0,99 | aR | 690 | 67.000 | 490.000 | 130 |
| 710 | 20 213 20.710 | 0,99 | aR | 690 | 84.000 | 610.000 | 150 |
| 800 | 20 213 20.800 | 0,99 | aR | 690 | 144.500 | 1.050.000 | 177 |

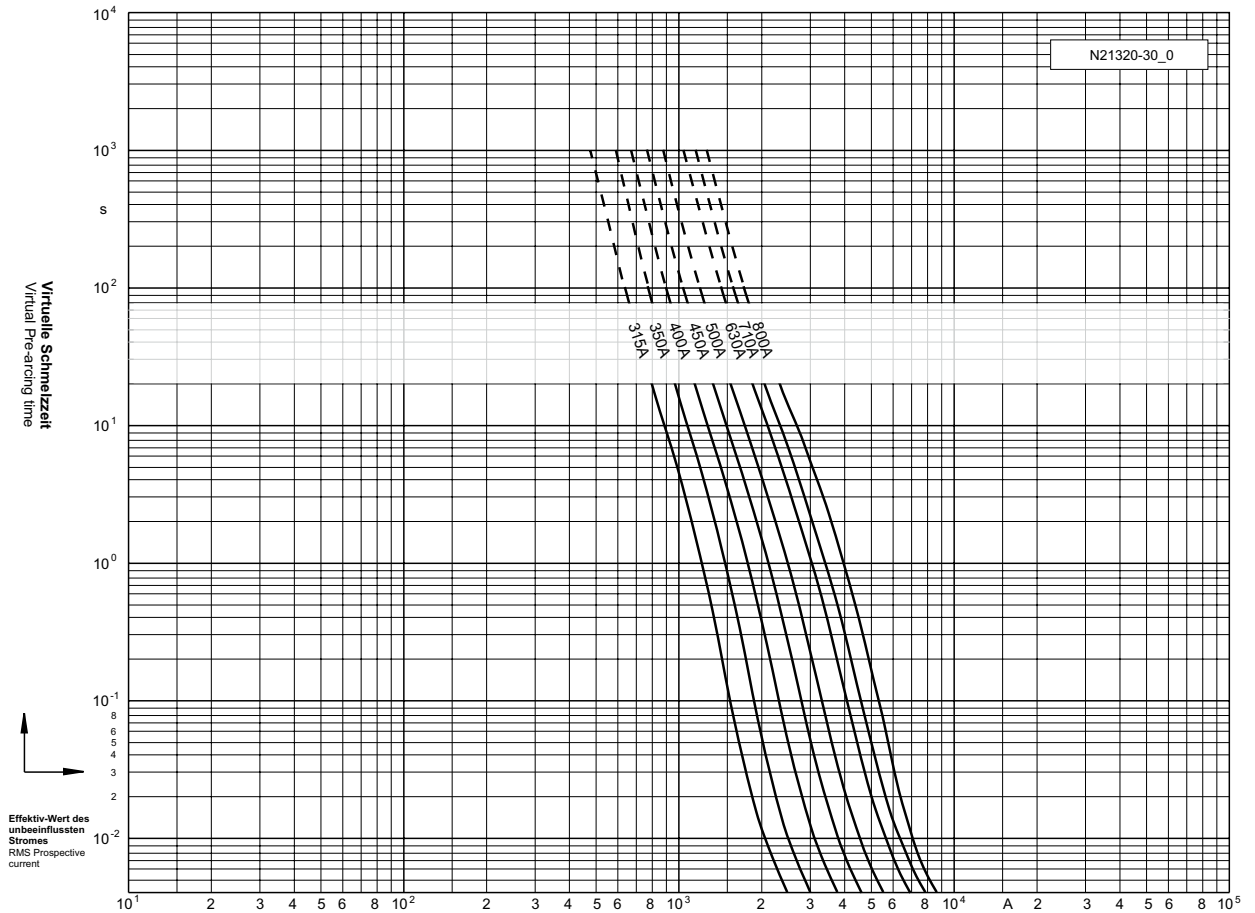
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,3 | 0,6 | 0,8 |

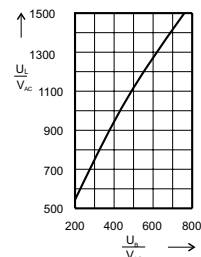
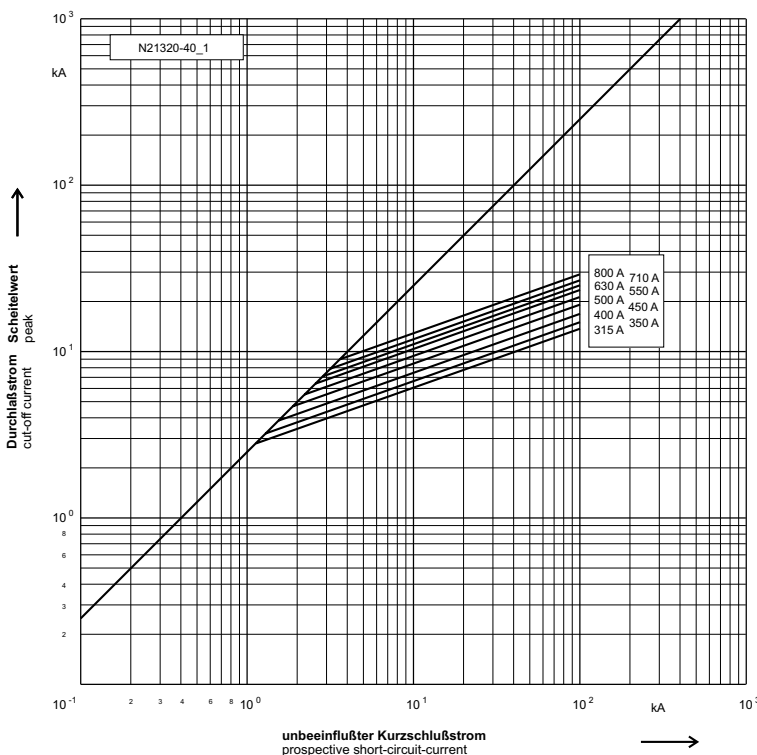
690 V

NH 3

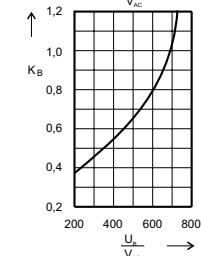
Zeit/Strom-
Kennlinien
Time-current
characteristics



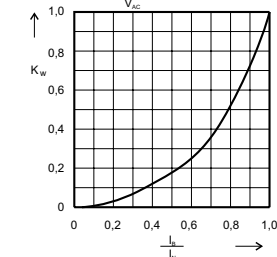
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram




Umrechnungsfaktor für den
Ausschalt i^2t -Wert
Reduction factor for total i^2t -value



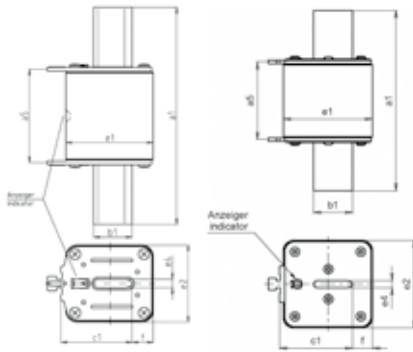
Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

690 V

NH 3

 usE180276

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



400 A - 1000 A

1100 A - 1600 A

| | |
|-------------------------------------|--|
| Betriebsklasse / Class aR | IEC 60 269-4 VDE 0636-4 UL 248-13 |
|-------------------------------------|--|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | |
|--|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|
| | | | | a ₅ | a ₁ | b ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm |
| 690 | 20 213 32 | 3 | 400-630 | 65 | 150 | 26 | 6 | 59 | 53 | 14 | 60 |
| | | | 700-1000 | | | 73,5 | | 65 | 17 | | |
| | | | 1100-1600 | | | 73 | | 73 | 16 | | |

Bemessungsausschaltvermögen / Rated breaking capacity

120 kA AC 760 V

30 kA DC 550 V (400-1000A)

30 kA DC 500 V (1100-1600 A)

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage | | Schmelzintegral Pre-Arcing I ² t-Value | Ausschaltintegral Total I ² t-Value | Leistungsabgabe Power Loss |
|----------------------------------|--|-------------------|--|--------------|--|---|-------------------------------|
| A | mit Kombimelder* with combi indicator | kg / 1 | IEC 60269-4 | UL 248-13 | A ² s | @ AC 690 V | W |
| 400 RC 240 | 20 213 32.400 | 0,64 | 690 | 700 | 12.000 | 82.000 | 30 |
| 450 RC 270 | 20 213 32.450 | 0,64 | 690 | 700 | 17.000 | 120.000 | 32 |
| 500 RC 300 | 20 213 32.500 | 0,64 | 690 | 700 | 23.000 | 155.000 | 34 |
| 550 RC 330 | 20 213 32.550 | 0,64 | 690 | 700 | 33.000 | 225.000 | 36 |
| 630 RC 380 | 20 213 32.630 | 0,64 | 690 | 700 | 47.000 | 310.000 | 40 |
| 700 RC 420 | 20 213 32.700 | 0,97 | 690 | 700 | 65.000 | 345.000 | 42 |
| 800 RC 480 | 20 213 32.800 | 0,97 | 690 | 700 | 74.000 | 525.000 | 47 |
| 900 RC 540 | 20 213 32.900 | 0,97 | 690 | 700 | 105.000 | 750.000 | 49 |
| 1000 RC 600 | 20 213 32.1000 | 0,97 | 690 | 700 | 145.000 | 990.000 | 53 |
| 1100 RC 660 | 20 213 32.1100 | 1,30 | 690 | 700 | 225.000 | 1.350.000 | 56 |
| 1250 RC 750 | 20 213 32.1250 | 1,30 | 690 | 700 | 400.000 | 2.100.000 | 58 |
| 1400 RC 770 | 20 213 32.1400 | 1,30 | 690 | 700 | 525.000 | 2.700.000 | 55 |
| 1500 RC 820 | 20 213 32.1500 | 1,30 | 690 | 700 | 590.000 | 3.100.000 | 58 |
| 1600 RC 880 | 20 213 32.1600 | 1,30 | 690 | 700 | 850.000 | 4.200.000 | 60 |

Applikationskoeffizienten / Application coefficients

(Weiterführende Informationen siehe Seite 13 / for more information see page 13)

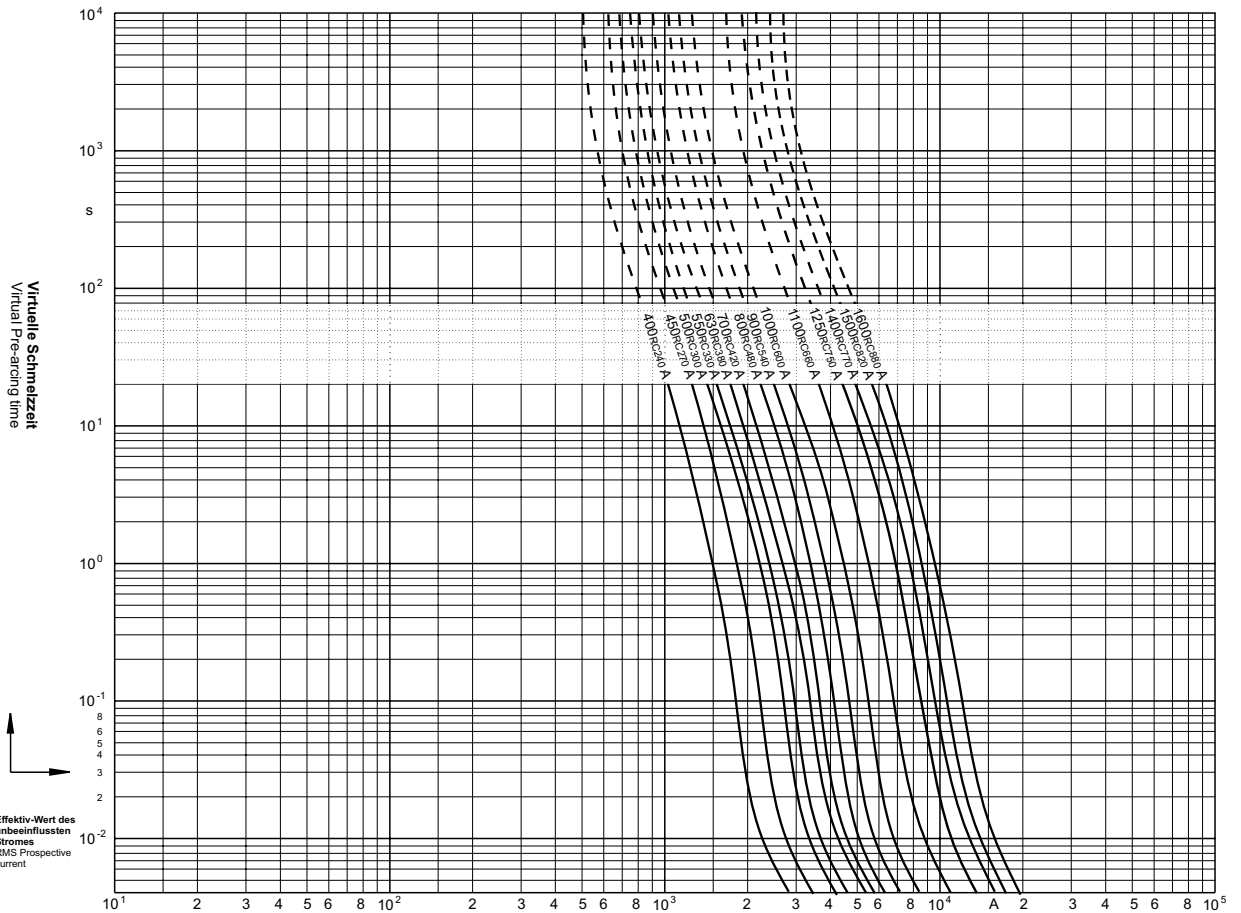
| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 1,0 | 1,25 | 0,6 | 0,8 |

690 V

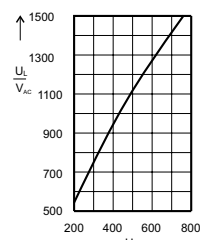
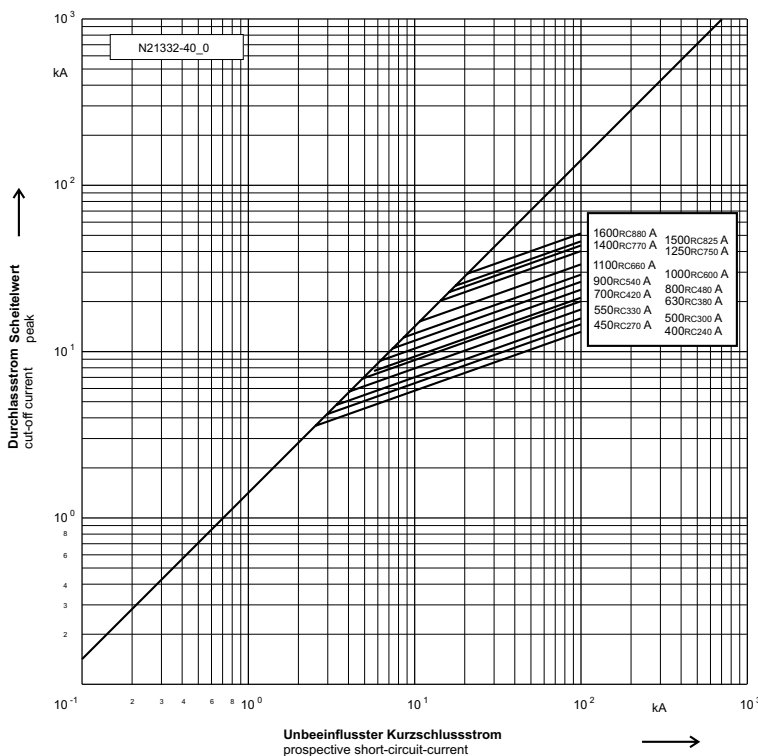
NH 3

cULus E180276

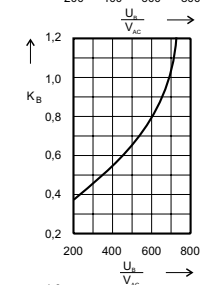
Zeit/Strom-Kennlinien
Time-current characteristics



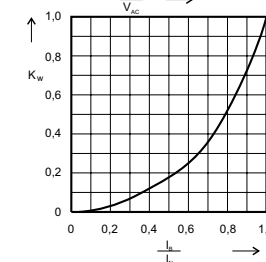
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



Umrechnungsfaktor für den Ausschalt i^2t -Wert
Reduction factor for total i^2t -value

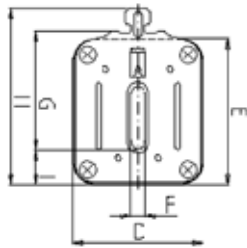
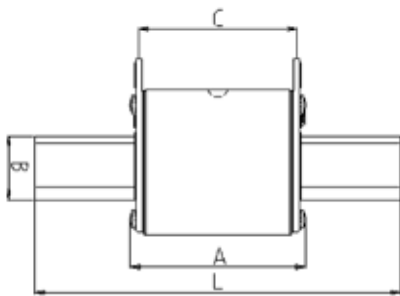


Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

690 V

NH 3

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



Betriebsklasse / Class
gRL (gS)

IEC 60 269-4
VDE 0636-4

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | In/A | Länge Length | | | | | | | | | | | |
|--|---------------------------|----------------|-----------------|----------|----|----------|------------|----|----|----------|----------|-----|----|----|
| | | | A | B | C | D | E | F | G | H | I | L | | |
| V | | A | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 690 | 20 213 34 | ≤ 315 ≥ 400 | 75 | 26 32 | 65 | 53 65 | 59 73,5 | 6 | 60 | 83 86 | 14 17 | 150 | | |

Bemessungsausschaltvermögen / Rated breaking capacity **200 kA**
DC Schaltvermögen = **32 kA (DC 500 V)**

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage | Schmelzintegral Pre-Arcing I ² t-Value | Ausschaltintegral Total I ² t-Value | Leistungsabgabe Power Loss |
|----------------------------------|--|-------------------|--|--|---|-------------------------------|
| | mit Kombimelder* with combi indicator | | IEC 60269-4 | | @ AC 690 V | |
| A | | kg / 1 | V | A²s | A²s | W |
| 315 | 20 213 34.315 | 0,73 | 690 | 43.000 | 271.000 | 38 |
| 350 | 20 213 34.350 | 1,27 | 690 | 58.000 | 310.000 | 42 |
| 400 | 20 213 34.400 | 1,27 | 690 | 85.000 | 442.000 | 46 |
| 450 | 20 213 34.450 | 1,27 | 690 | 107.000 | 560.000 | 48 |
| 500 | 20 213 34.500 | 1,27 | 690 | 170.000 | 880.000 | 55 |
| 560 | 20 213 34.560 | 1,27 | 690 | 190.000 | 1.100.000 | 58 |
| 630 | 20 213 34.630 | 1,27 | 690 | 280.000 | 1.400.000 | 64 |
| 710 | 20 213 34.710 | 1,27 | 690 | 420.000 | 1.900.000 | 69 |
| 800 | 20 213 34.800 | 1,27 | 690 | 620.000 | 2.500.000 | 74 |

Applikationskoeffizienten / Application coefficients
(Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 1,0 | 1,25 | 0,5 | 0,8 |

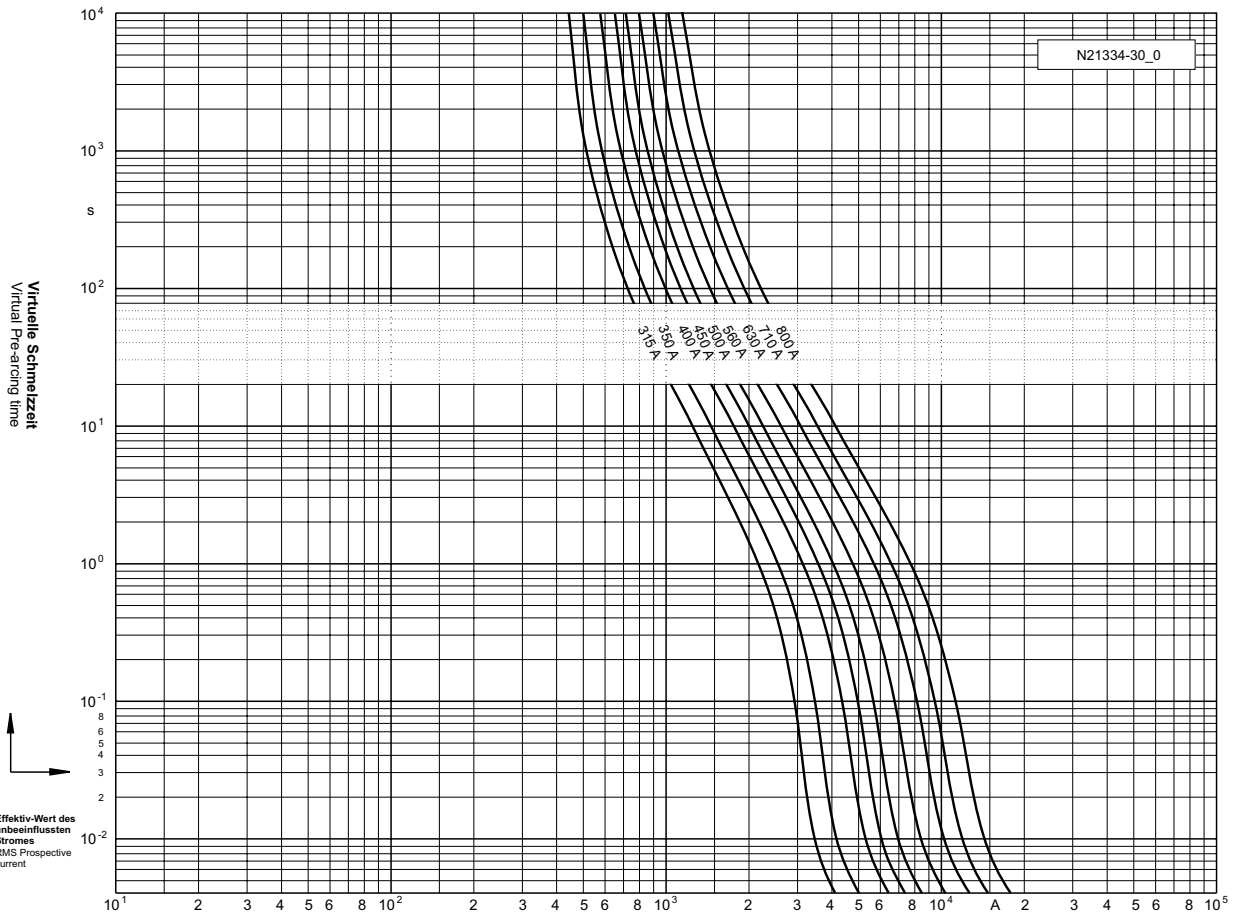
Geprüftes DC Schaltvermögen
Tested DC breaking capacity

| I _{max} | I _{min} |
|--------------------------------|------------------------------|
| 32 kA @ DC 500V L/R = 12 ms | 2 x I _n @ DC 500V |

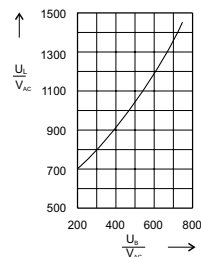
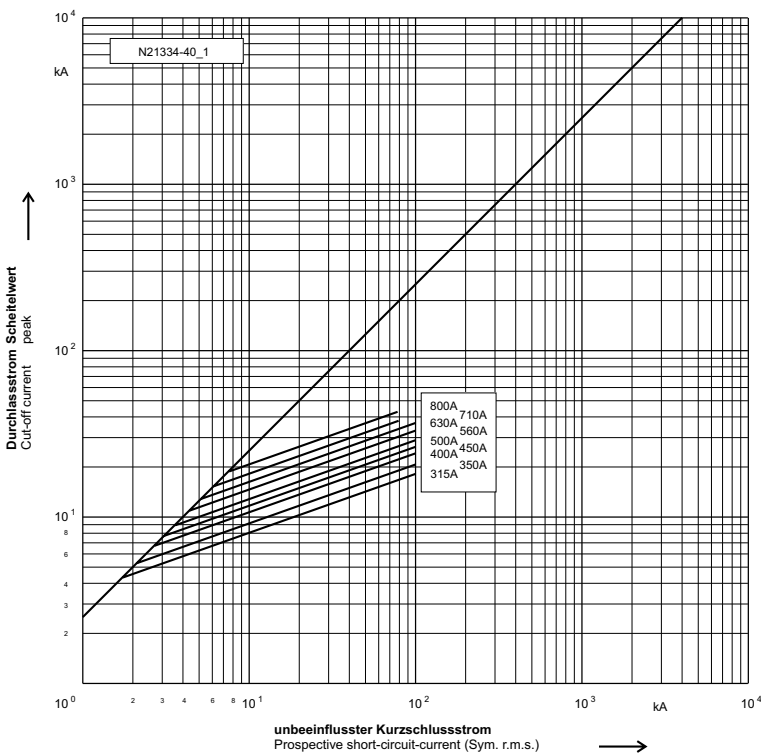
690 V

NH 3

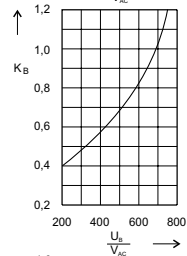
Zeit/Strom-Kennlinien
Time-current characteristics



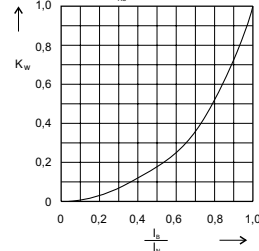
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



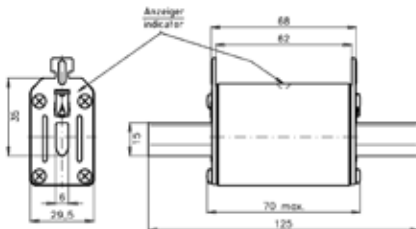
Umrechnungsfaktor für den Ausschalt i^2t -Wert
Reduction factor for total i^2t -value



Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

1000 V

NH 0



20 384 04

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

Betriebsklasse / Class
gR / aR

IEC 60 269-4
VDE 0636-4

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| 1000 | 20 384 04 | NH 0 | 16-160 |

Bemessungsausschaltvermögen / Rated breaking capacity 100 kA

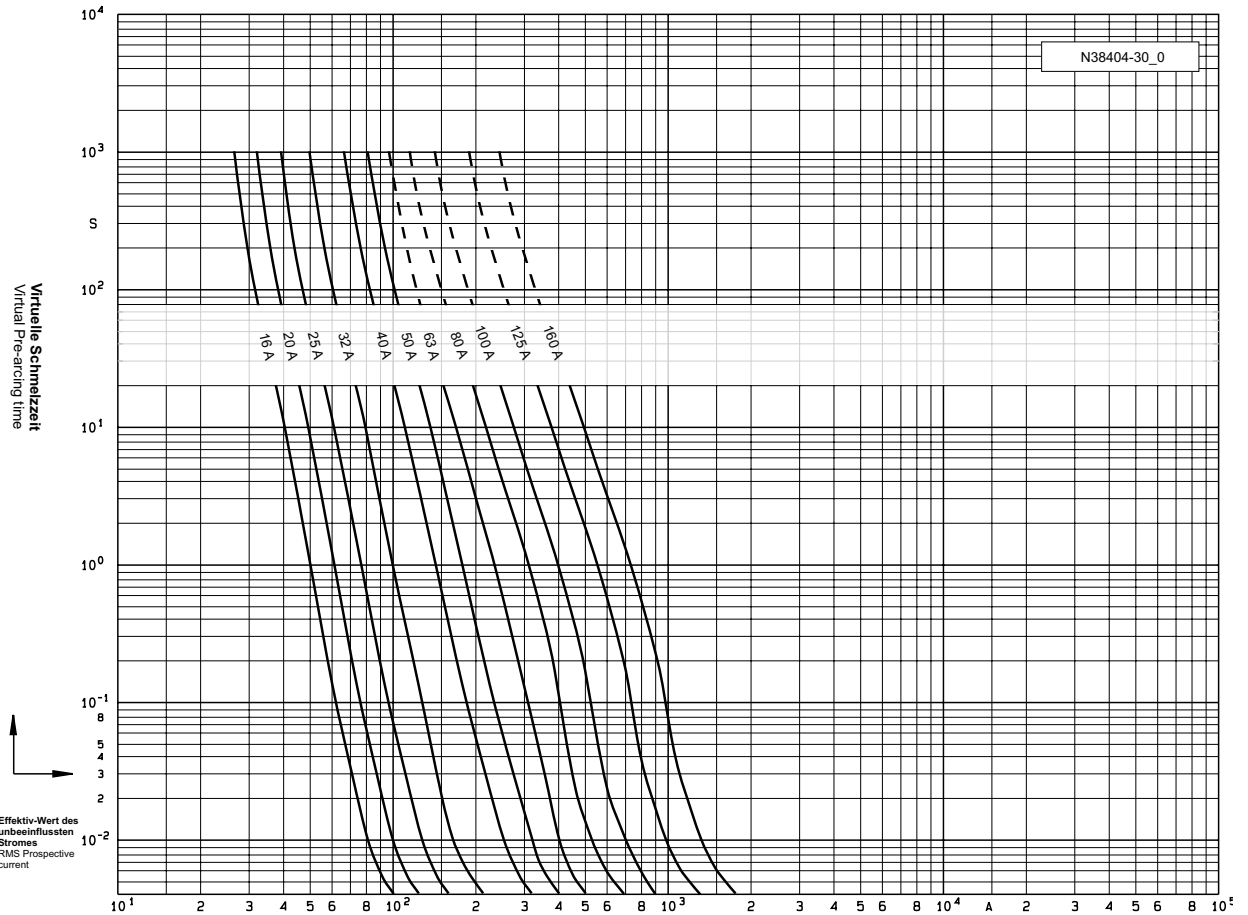
| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ AC 1000 V | Leistungs- abgabe Power Loss |
|----------------------------------|--|-------------------|------------------------------|--|---|---|------------------------------------|
| A | mit Kombimelder* with combi indicator | kg / 1 | | V | A ² s | A ² s | W |
| 16 | 20 384 04.16 | 0,27 | gR | 1000 | 10 | 50 | 6,8 |
| 20 | 20 384 04.20 | 0,27 | gR | 1000 | 17 | 100 | 8,0 |
| 25 | 20 384 04.25 | 0,27 | gR | 1000 | 29 | 180 | 9,0 |
| 32 | 20 384 04.32 | 0,27 | gR | 1000 | 52 | 360 | 12 |
| 40 | 20 384 04.40 | 0,27 | gR | 1000 | 120 | 600 | 14 |
| 50 | 20 384 04.50 | 0,27 | gR | 1000 | 210 | 1.100 | 19 |
| 63 | 20 384 04.63 | 0,27 | aR | 1000 | 320 | 1.700 | 21 |
| 80 | 20 384 04.80 | 0,27 | aR | 1000 | 700 | 3.300 | 23 |
| 100 | 20 384 04.100 | 0,27 | aR | 1000 | 1.100 | 6.500 | 27 |
| 125 | 20 384 04.125 | 0,27 | aR | 1000 | 2.300 | 14.000 | 32 |
| 160 | 20 384 04.160 | 0,27 | aR | 1000 | 4.500 | 20.000 | 42 |

Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

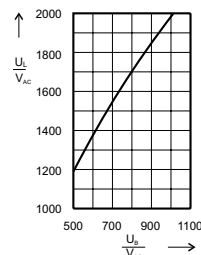
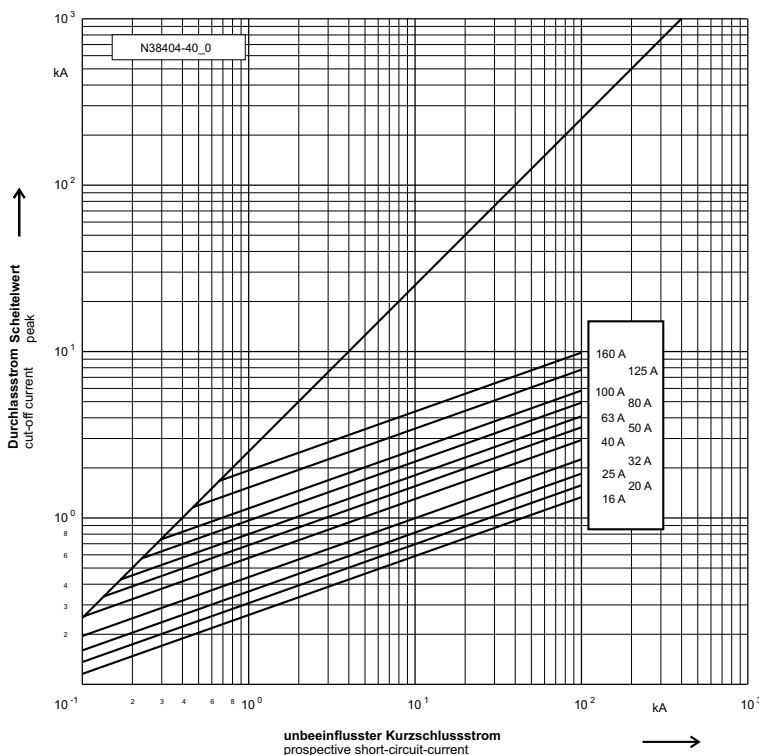
| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,3 | 0,6 | 0,8 |

1000 V NH 0

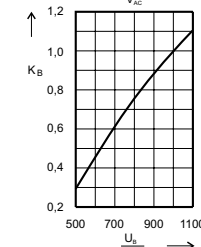
Zeit/Strom-Kennlinien
Time-current characteristics



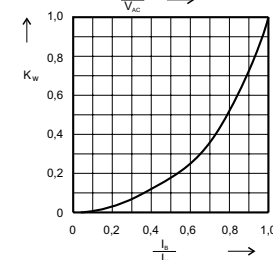
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



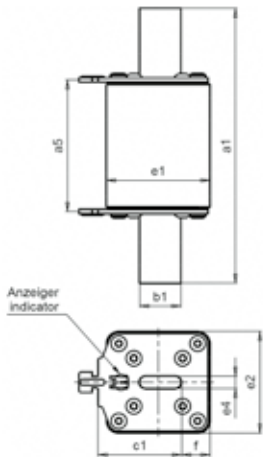
Umrechnungsfaktor für den Ausschalt i^2t-Wert
Reduction factor for total i²t-value



Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

1000 V

NH 1



20 413 32

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|-------------------------------------|--|
| Betriebsklasse / Class aR | IEC 60 269-4 VDE 0636-4 |
|-------------------------------------|--|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | |
|--|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|
| | | | | a ₅ | a ₁ | b ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm |
| 1000 | 20 413 32 | 1 | 160-550 | 65 | 135 | 20 | 6 | 50 | 50 | 14 | 40 |

Bemessungsausschaltvermögen / Rated breaking capacity **120 kA AC 1100 V**
30 kA DC 800 V

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage | Prüf- spannung Tested Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ AC 1000 V | Ausschalt- integral Total I ² t-Value @ DC 800 V | Leistungs- abgabe Power Loss @ RC |
|----------------------------------|----------------------------|-------------------|--|-------------------------------------|---|---|--|--|
| A | | kg / 1 | V | V | A ² s | A ² s | A ² s | W |
| 160 RC 96 | 20 413 32.160 | 0,44 | 1000 | 1100 | 2.500 | 14.000 | 6.300 | 12 |
| 200 RC 120 | 20 413 32.200 | 0,44 | 1000 | 1100 | 4.600 | 27.000 | 11.000 | 14 |
| 250 RC 150 | 20 413 32.250 | 0,44 | 1000 | 1100 | 9.900 | 59.000 | 25.000 | 15 |
| 315 RC 190 | 20 413 32.315 | 0,44 | 1000 | 1100 | 13.500 | 85.000 | 35.000 | 21 |
| 350 RC 210 | 20 413 32.350 | 0,44 | 1000 | 1100 | 26.500 | 160.000 | 65.000 | 22 |
| 400 RC 240 | 20 413 32.400 | 0,44 | 1000 | 1100 | 39.000 | 23.000 | 96.000 | 24 |
| 450 RC 270 | 20 413 32.450 | 0,44 | 1000 | 1100 | 47.000 | 280.000 | 115.000 | 25 |
| 500 RC 300 | 20 413 32.500 | 0,44 | 1000 | 1100 | 65.000 | 400.000 | 160.000 | 27 |
| 550 RC 330 | 20 413 32.550 | 0,44 | 1000 | 1100 | 84.000 | 550.000 | 210.000 | 29 |

Applikationskoeffizienten / Application coefficients
(Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,25 | 0,6 | 0,8 |

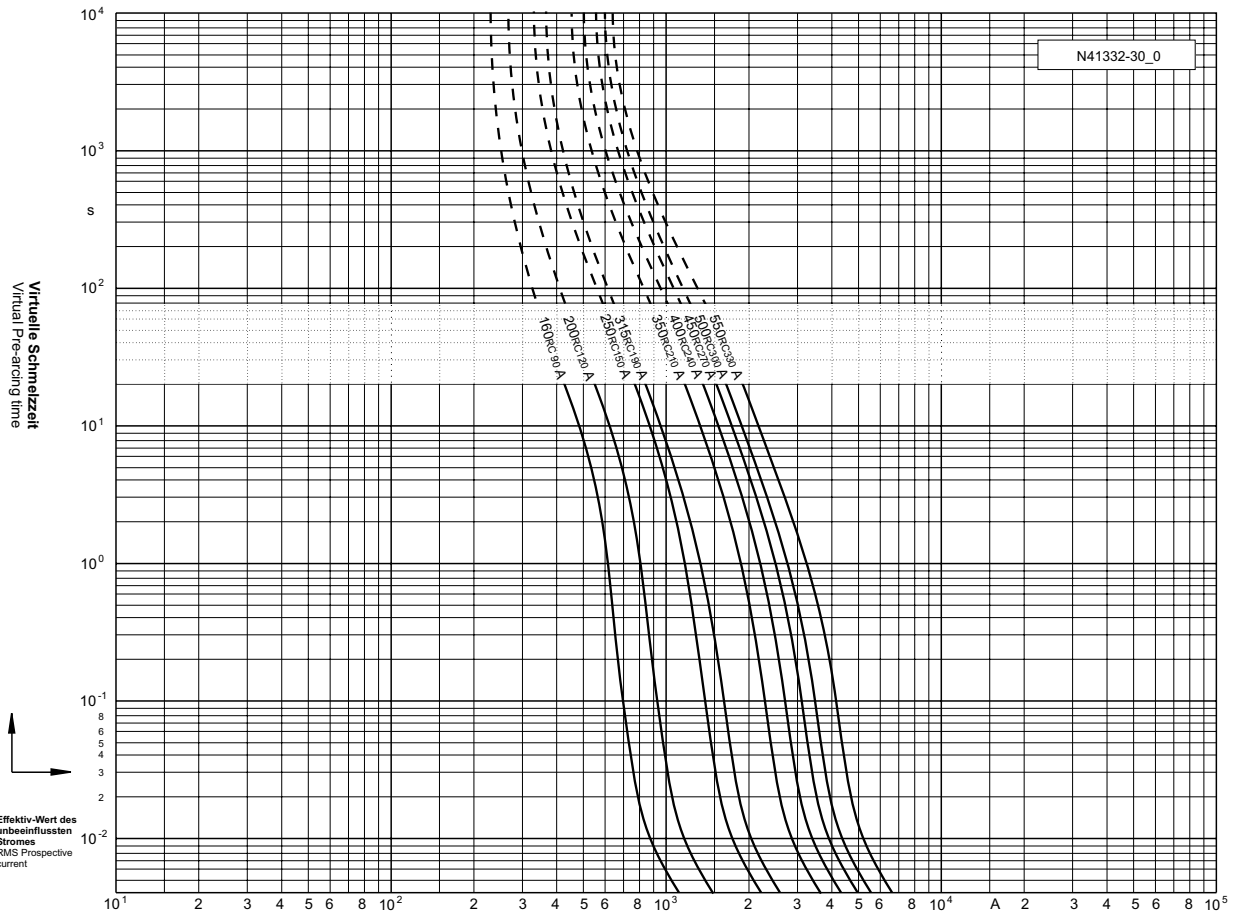
Geprüftes DC Schaltvermögen
Tested DC breaking capacity

| I _{max} | I _{min} |
|-------------------------------|--|
| 32 kA @ DC 800V L/R = 3 ms | 8 x I _n @ DC 800V L/R = 3 ms |

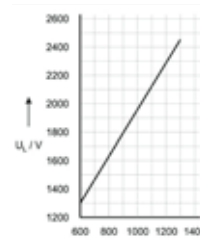
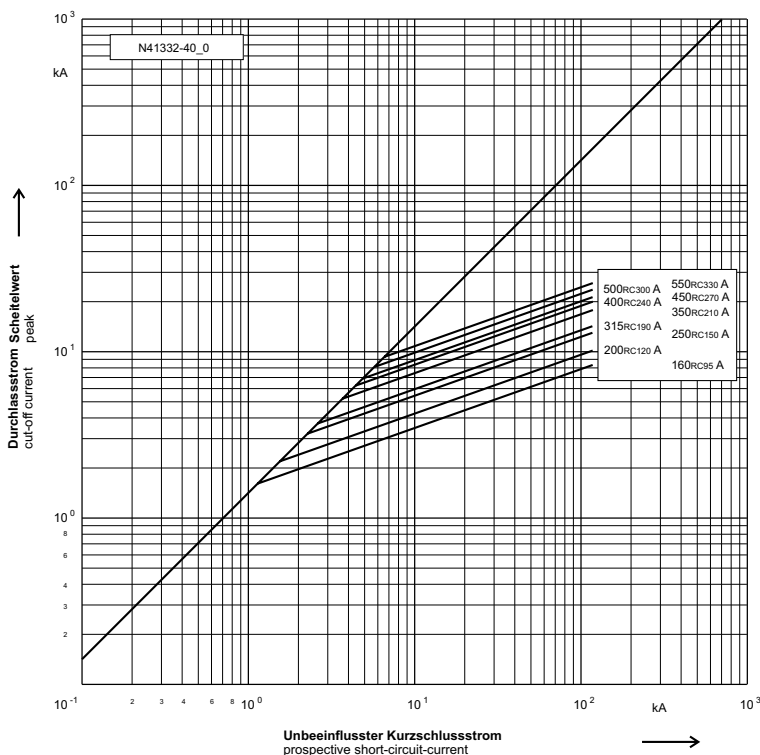
1000 V

NH 1

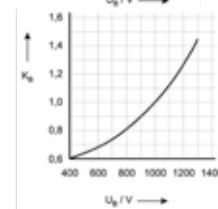
Zeit/Strom-Kennlinien
Time-current characteristics



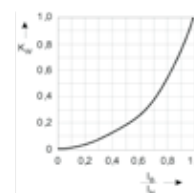
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



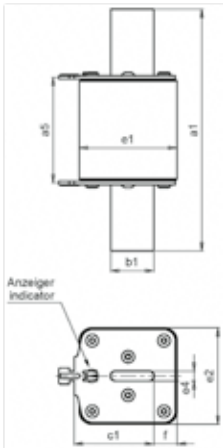
Umrechnungsfaktor für den Ausschalt i^2t -Wert
Reduction factor for total i^2t -value



Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

1000 V

NH 2



20 414 32

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|-------------------------------------|--|
| Betriebsklasse / Class aR | IEC 60 269-4 VDE 0636-4 |
|-------------------------------------|--|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | |
|--|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|
| | | | | a ₅ | a ₁ | b ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm |
| 1000 | 20 414 32 | 2 | 250-800 | 65 | 148 | 26 | 6 | 59 | 59 | 14 | 48 |

Bemessungsausschaltvermögen / Rated breaking capacity **120 kA AC 1100 V**
30 kA DC 800 V

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Vol- tage | Prüf- spannung Tested Vol- tage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ AC 1000 V | Ausschalt- integral Total I ² t-Value @ DC 800 V | Leistungs- abgabe Power Loss @ RC |
|----------------------------------|----------------------------|-------------------|---|--|---|---|--|--|
| A | | kg / 1 | V | V | A ² s | A ² s | A ² s | W |
| 250 Rc 150 | 20 414 32.250 | 0,55 | 1000 | 1100 | 7.800 | 45.000 | 20.000 | 17 |
| 315 RC 190 | 20 414 32.315 | 0,55 | 1000 | 1100 | 12.600 | 80.000 | 33.000 | 20 |
| 350 RC 210 | 20 414 32.350 | 0,55 | 1000 | 1100 | 18.500 | 110.000 | 48.000 | 22 |
| 400 RC 240 | 20 414 32.400 | 0,55 | 1000 | 1100 | 26.500 | 16.000 | 68.000 | 25 |
| 450 RC 270 | 20 414 32.450 | 0,55 | 1000 | 1100 | 33.500 | 210.000 | 87.000 | 27 |
| 500 RC 300 | 20 414 32.500 | 0,55 | 1000 | 1100 | 50.000 | 300.000 | 130.000 | 29 |
| 550 RC 330 | 20 414 32.550 | 0,55 | 1000 | 1100 | 74.000 | 440.000 | 190.000 | 32 |
| 630 RC 380 | 20 414 32.630 | 0,55 | 1000 | 1100 | 90.000 | 540.000 | 230.000 | 34 |
| 700 RC 420 | 20 414 32.700 | 0,55 | 1000 | 1100 | 140.000 | 830.000 | 360.000 | 35 |
| 800 RC 480 | 20 414 32.800 | 0,55 | 1000 | 1100 | 195.000 | 1.200.000 | 500.000 | 41 |

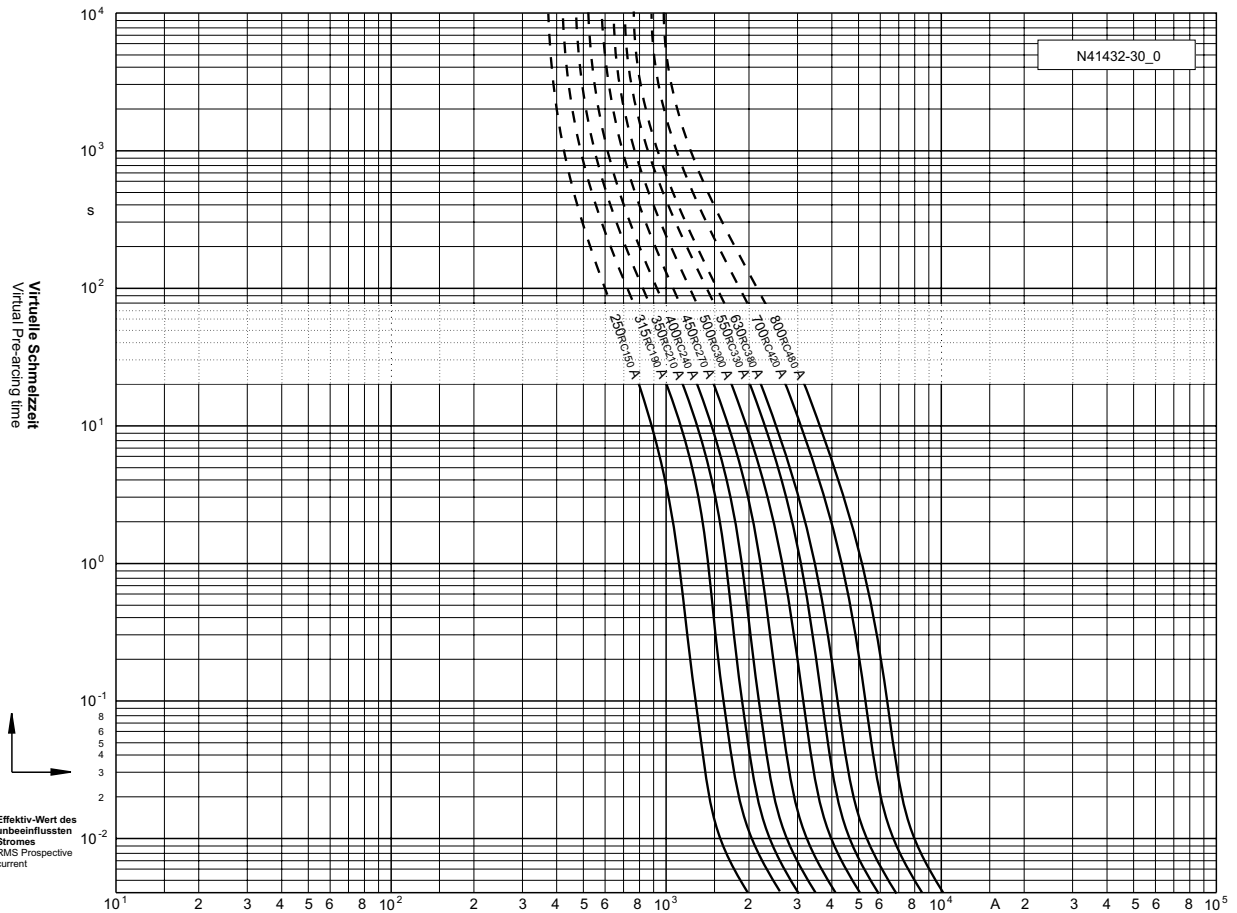
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,25 | 0,6 | 0,8 |

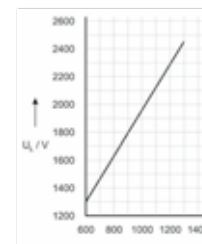
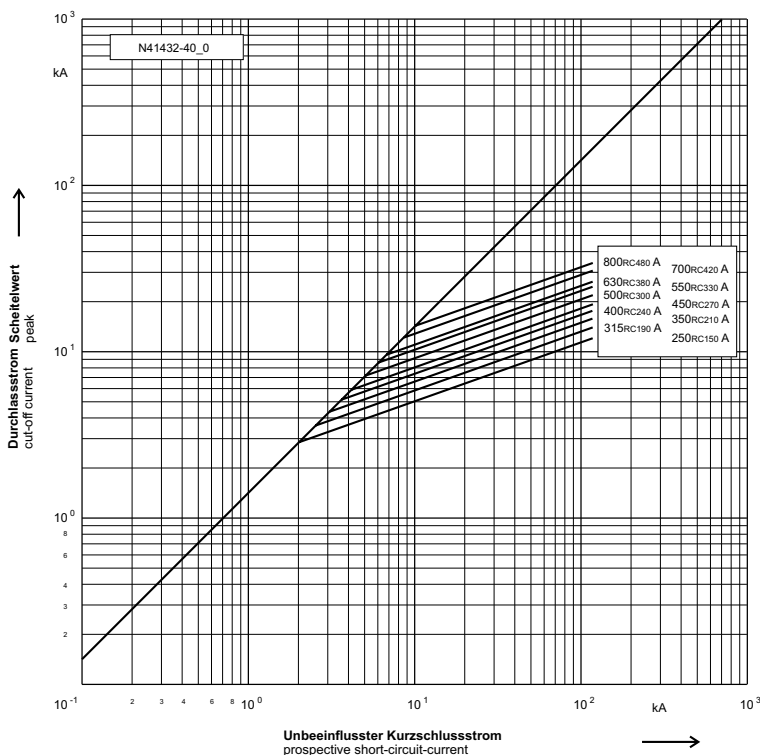
1000 V

NH 2

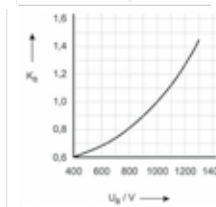
Zeit/Strom-Kennlinien
Time-current characteristics



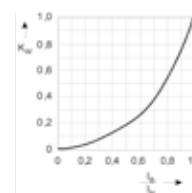
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



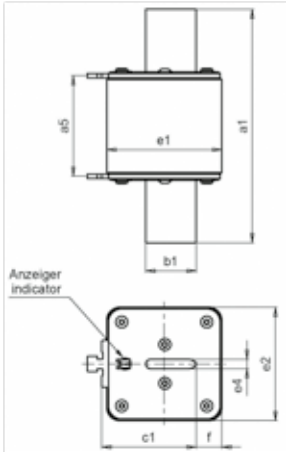
Umrechnungsfaktor für den Ausschalt i^2t -Wert
Reduction factor for total i^2t -value



Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

1000 V

NH 3



20 415 32

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|-------------------------------------|--|
| Betriebsklasse / Class aR | IEC 60 269-4 VDE 0636-4 |
|-------------------------------------|--|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | |
|--|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|
| | | | | a ₅ | a ₁ | b ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm |
| 1000 | 20 415 32 | 3 | 450-1250 | 65 | 150 | 32 | 6 | 73 | 73 | 16 | 60 |

Bemessungsausschaltvermögen / Rated breaking capacity **120 kA AC 1100 V**
30 kA DC 800 V

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Vol- tage | Prüf- spannung Tested Vol- tage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ AC 1000 V | Ausschalt- integral Total I ² t-Value @ AC 1000 V | Leistungs- abgabe Power Loss @ RC |
|----------------------------------|----------------------------|-------------------|---|--|---|---|---|--|
| A | | kg / 1 | V | V | A ² s | A ² s | A ² s | W |
| 450 RC 270 | 20 415 32.450 | 1,30 | 1000 | 1100 | 27.000 | 160.000 | 85.000 | 31 |
| 500 RC 300 | 20 415 32.500 | 1,30 | 1000 | 1100 | 39.000 | 235.000 | 125.000 | 32 |
| 550 RC 330 | 20 415 32.550 | 1,30 | 1000 | 1100 | 59.000 | 350.000 | 185.000 | 33 |
| 630 RC 380 | 20 415 32.630 | 1,30 | 1000 | 1100 | 89.000 | 520.000 | 280.000 | 35 |
| 700 RC 420 | 20 415 32.700 | 1,30 | 1000 | 1100 | 105.000 | 640.000 | 330.000 | 38 |
| 800 RC 480 | 20 415 32.800 | 1,30 | 1000 | 1100 | 160.000 | 950.000 | 500.000 | 42 |
| 900 RC 540 | 20 415 32.900 | 1,30 | 1000 | 1100 | 250.000 | 1.500.000 | 790.000 | 45 |
| 1000 RC 600 | 20 415 32.1000 | 1,30 | 1000 | 1100 | 295.000 | 1.800.000 | 930.000 | 53 |
| 1100 RC 660 | 20 415 32.1100 | 1,30 | 1000 | 1100 | 430.000 | 2.750.000 | 1.350.000 | 56 |
| 1250 RC 750 | 20 415 32.1250 | 1,30 | 900 | 1000 | 580.000 | 3.900.000 | 1.800.000 | 58 |

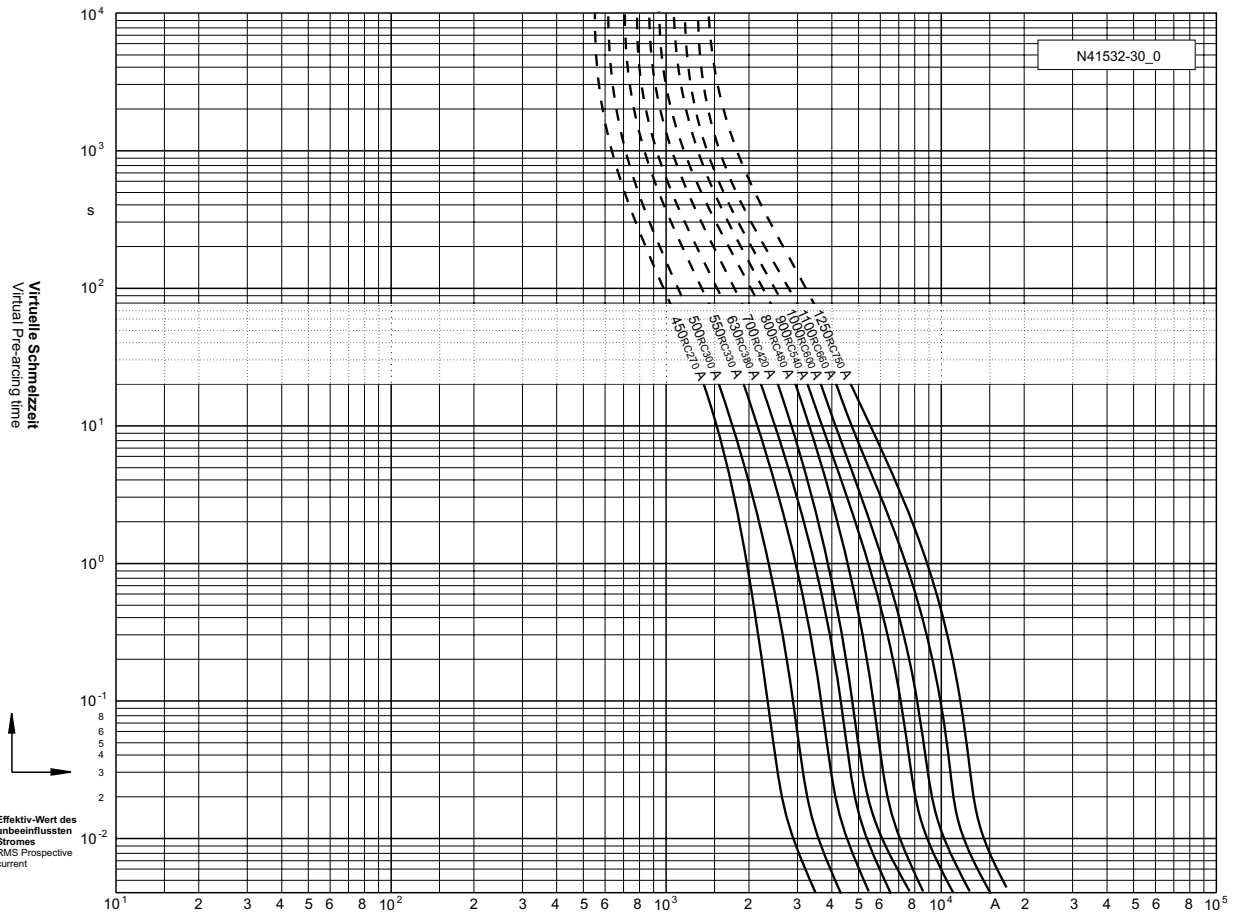
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|----|---------|-----|-----|
| 130 | 1 | 1,25 | 0,6 | 0,8 |

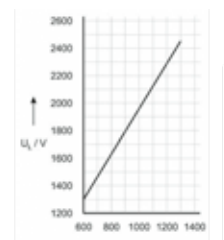
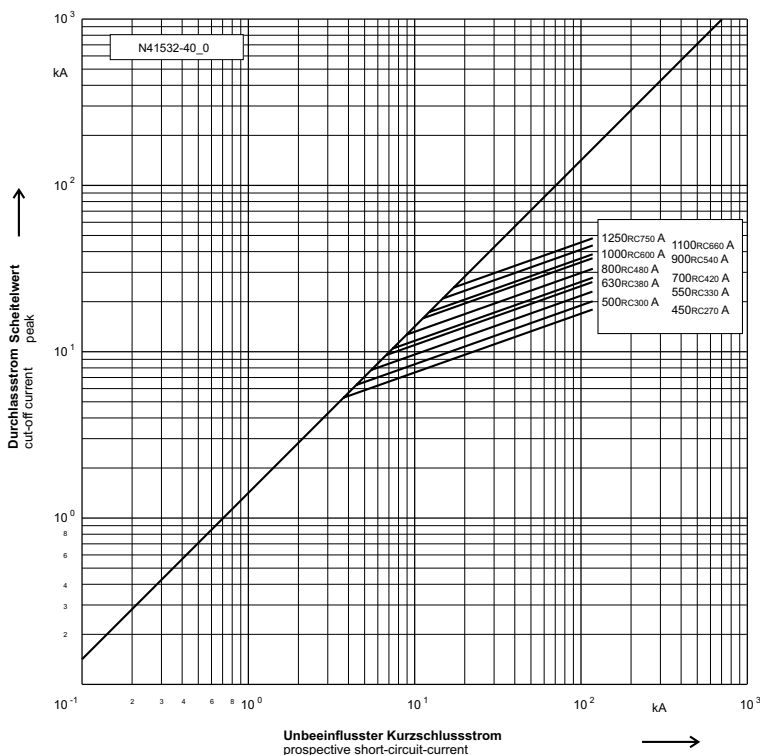
1000 V

NH 3

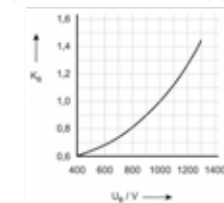
Zeit/Strom-Kennlinien
Time-current characteristics



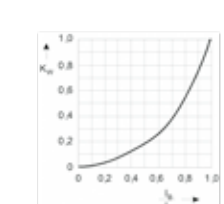
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



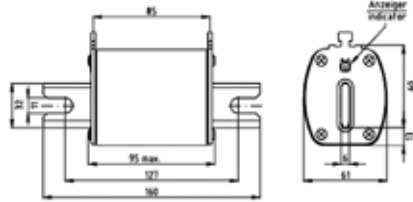
Umrechnungsfaktor für den Ausschalt i^2t -Wert
Reduction factor for total i^2t -value



Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

1000 V

NH 3 DIN 130



20 407 04

Verpackungseinheit / Packing unit: 1 Stück / 1 pieces

| | |
|-------------------------------------|---|
| Betriebsklasse / Class aR | EN IEC 60 269-4 VDE 0636-4 |
|-------------------------------------|---|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| 1000 | 20 407 04 | NH 3 | 100-500 |

Bemessungsausschaltvermögen / Rated breaking capacity 120 kA

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ AC 1000 V | Leistungs- abgabe Power Loss |
|----------------------------------|--|-------------------|------------------------------|--|---|---|------------------------------------|
| A | mit Klappmelder* with combi indicator | kg / 1 | | V | A ² s | A ² s | W |
| 100 | 20 407 04.100 | 1,00 | aR | 1000 | 2.100 | 5.800 | 28 |
| 125 | 20 407 04.125 | 1,00 | aR | 1000 | 2.900 | 8.900 | 34 |
| 160 | 20 407 04.160 | 1,00 | aR | 1000 | 4.100 | 12.800 | 36 |
| 200 | 20 407 04.200 | 1,00 | aR | 1000 | 5.600 | 18.000 | 41 |
| 224 | 20 407 04.224 | 1,00 | aR | 1000 | 6.700 | 21.500 | 45 |
| 250 | 20 407 04.250 | 1,00 | aR | 1000 | 10.000 | 31.000 | 49 |
| 300 | 20 407 04.300 | 1,00 | aR | 1000 | 23.000 | 68.000 | 61 |
| 315 | 20 407 04.315 | 1,00 | aR | 1000 | 34.000 | 97.000 | 73 |
| 350 | 20 407 04.350 | 1,00 | aR | 1000 | 51.000 | 152.000 | 77 |
| 400 | 20 407 04.400 | 1,00 | aR | 1000 | 60.000 | 180.000 | 79 |
| 450 | 20 407 04.450 | 1,00 | aR | 1000 | 74.000 | 220.000 | 82 |
| 500 | 20 407 04.500 | 1,00 | aR | 1000 | 125.000 | 370.000 | 87 |

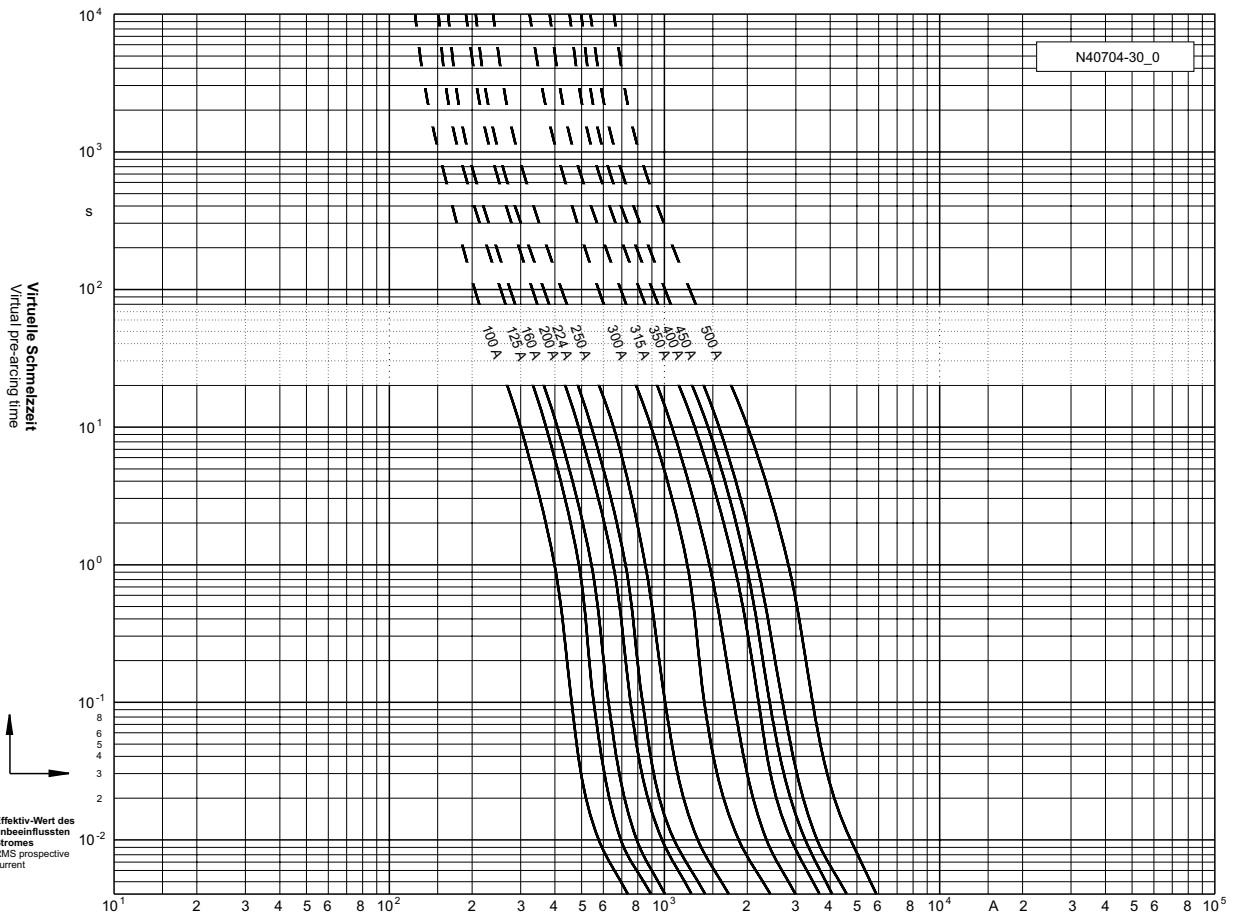
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|------|---------|-----|-----|
| 130 | 0,55 | 1,3 | 0,6 | 0,8 |

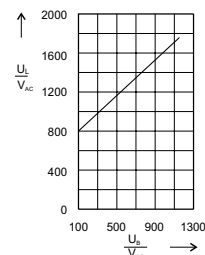
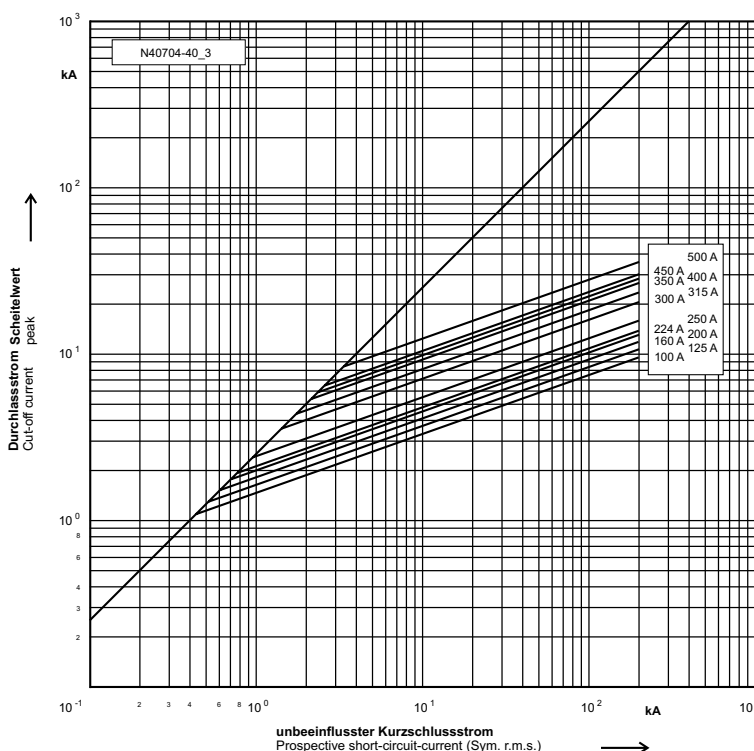
1000 V

NH 3 DIN 130

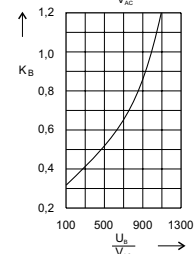
Zeit/Strom-Kennlinien
Time-current characteristics



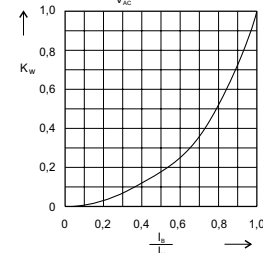
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram



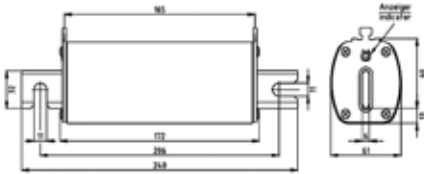
Umrechnungsfaktor für den Ausschalt i^2t-Wert
Reduction factor for total i²t-value



Umrechnungsfaktor der Leistungsabgabe
Reduction factor for power Loss

2000 V

NH 3



20 404 04

Verpackungseinheit / Packing unit: 1 Stück / 1 pieces

| | |
|-------------------------------------|----------------------------|
| Betriebsklasse / Class aR | IEC 60 269-4 VDE 0636-4 |
|-------------------------------------|----------------------------|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| 2000 | 20 404 04 | NH 3 | 200-450 |

Bemessungsausschaltvermögen / Rated breaking capacity 100 kA

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ AC 2000 V | Leistungs- abgabe Power Loss |
|----------------------------------|-----------------------------------|-------------------|------------------------------|--|---|---|------------------------------------|
| A | mit Kennmelder* with indicator | kg / 1 | | V | A ² s | A ² s | W |
| 200 | 20 404 04.200 | 1,67 | aR | 2000 | 21.000 | 60.000 | 78 |
| 224 | 20 404 04.224 | 1,67 | aR | 2000 | 27.000 | 77.000 | 85 |
| 250 | 20 404 04.250 | 1,67 | aR | 2000 | 33.000 | 95.000 | 103 |
| 300 | 20 404 04.300 | 1,67 | aR | 2000 | 53.000 | 151.000 | 115 |
| 315 | 20 404 04.315 | 1,67 | aR | 2000 | 62.000 | 172.000 | 121 |
| 355 | 20 404 04.355 | 1,67 | aR | 2000 | 94.000 | 280.000 | 135 |
| 400 | 20 404 04.400 | 1,67 | aR | 2000 | 130.000 | 410.000 | 145 |
| 450 | 20 404 04.450 | 1,67 | aR | 2000 | 159.000 | 520.000 | 153 |

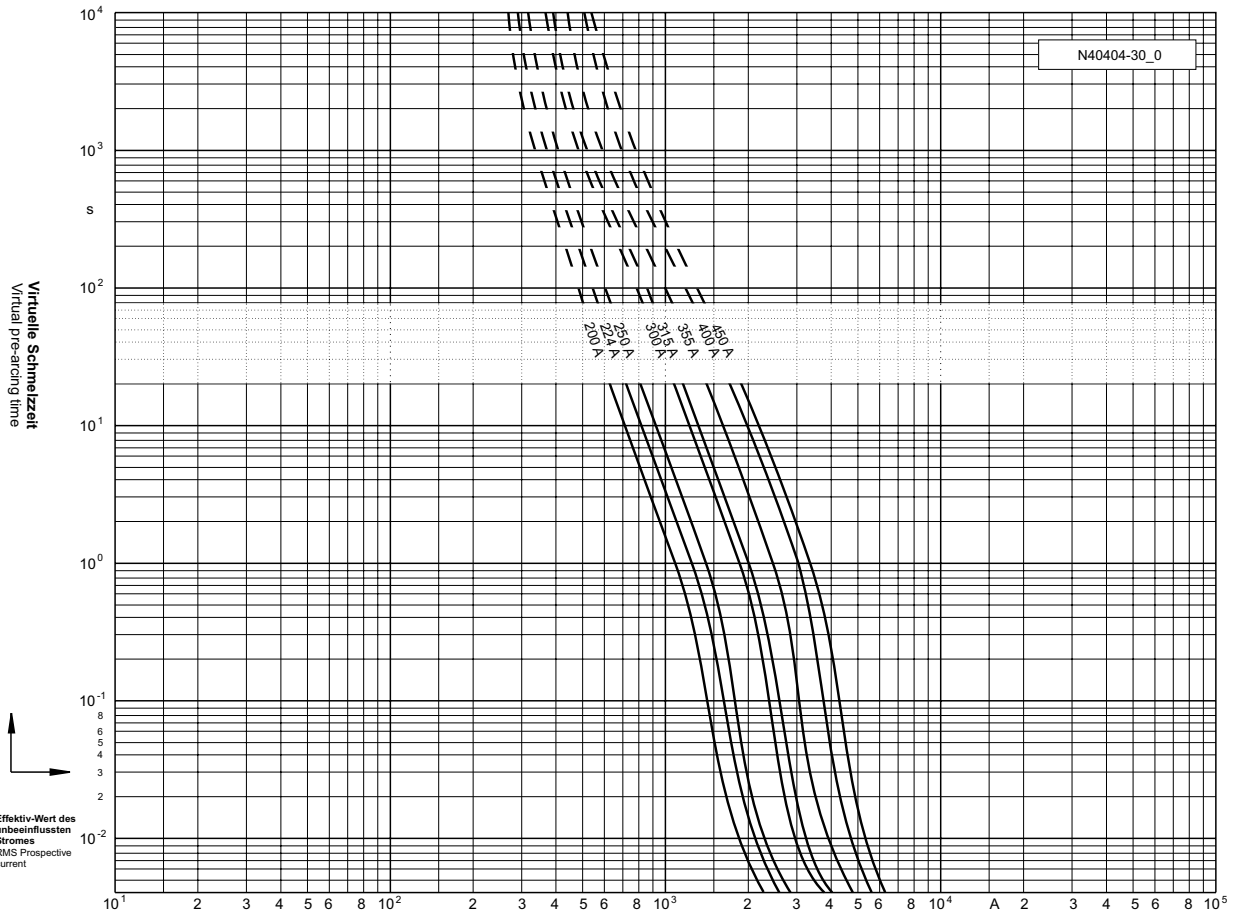
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|------|---------|------|-----|
| 130 | 0,65 | 1,25 | 0,65 | 0,8 |

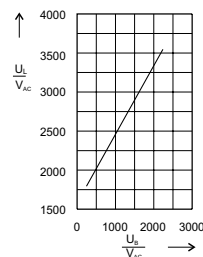
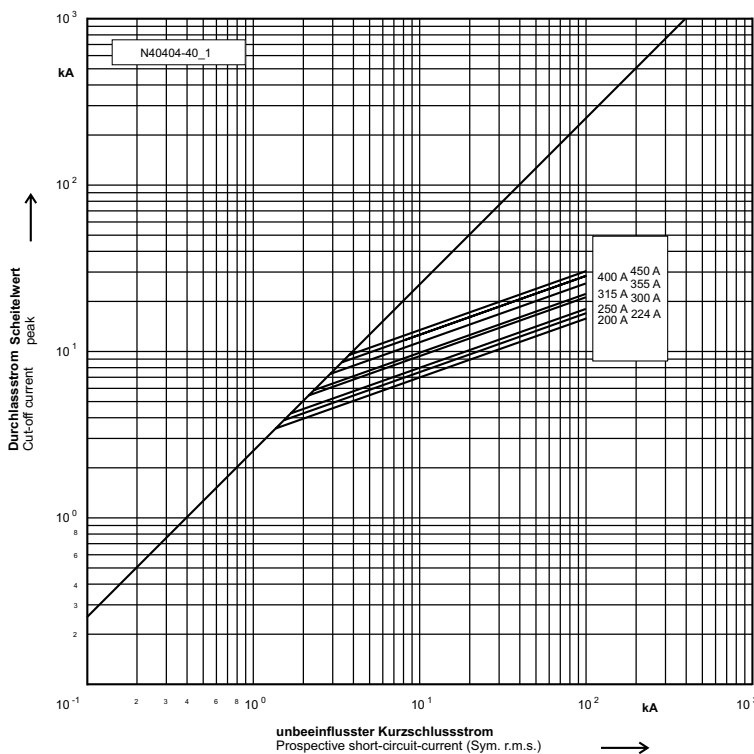
2000 V

NH 3

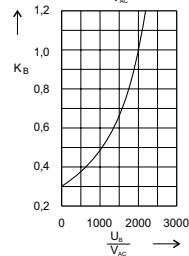
Zeit/Strom-
Kennlinien
Time-current
characteristics



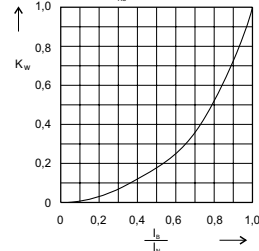
Durchlass-Strom
Cut-off current



Schaltspannungsdiagramm
Arc Voltage-Diagram

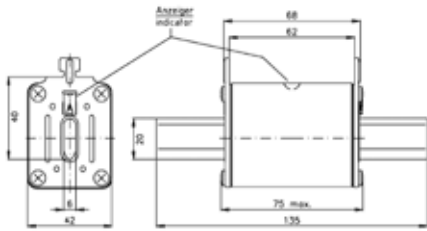


Umrechnungsfaktor für den
Ausschalt i^2t -Wert
Reduction factor for total i^2t -value



Umrechnungsfaktor der Leis-
tungsabgabe
Reduction factor for power Loss

DC 750 V NH 1



20 556 04
20 556 32

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|-------------------------------------|----------|
| Betriebsklasse / Class gR | Werknorm |
|-------------------------------------|----------|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| DC 750 | 20 556 04 | NH 1 | 32-160 |
| | 20 556 32 | | 200 |

Bemessungsausschaltvermögen / Rated breaking capacity 50 kA L/R = 1 mS

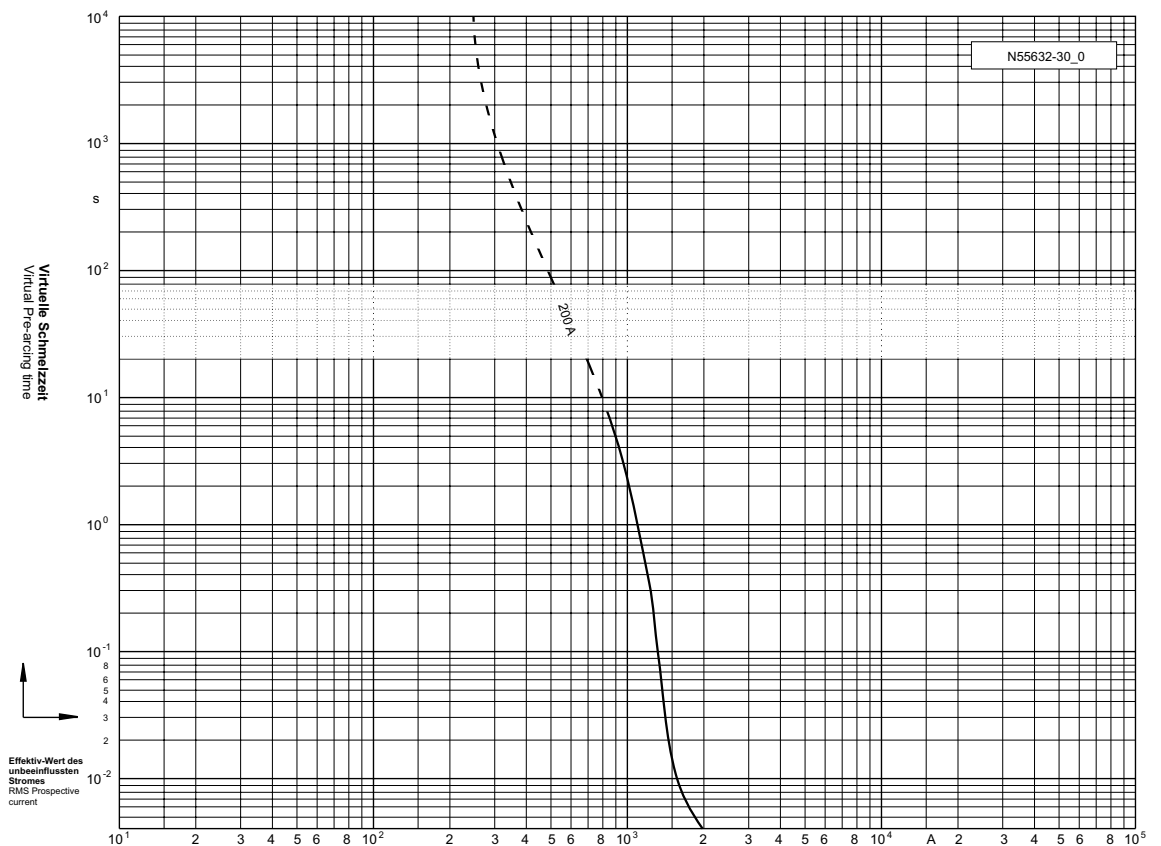
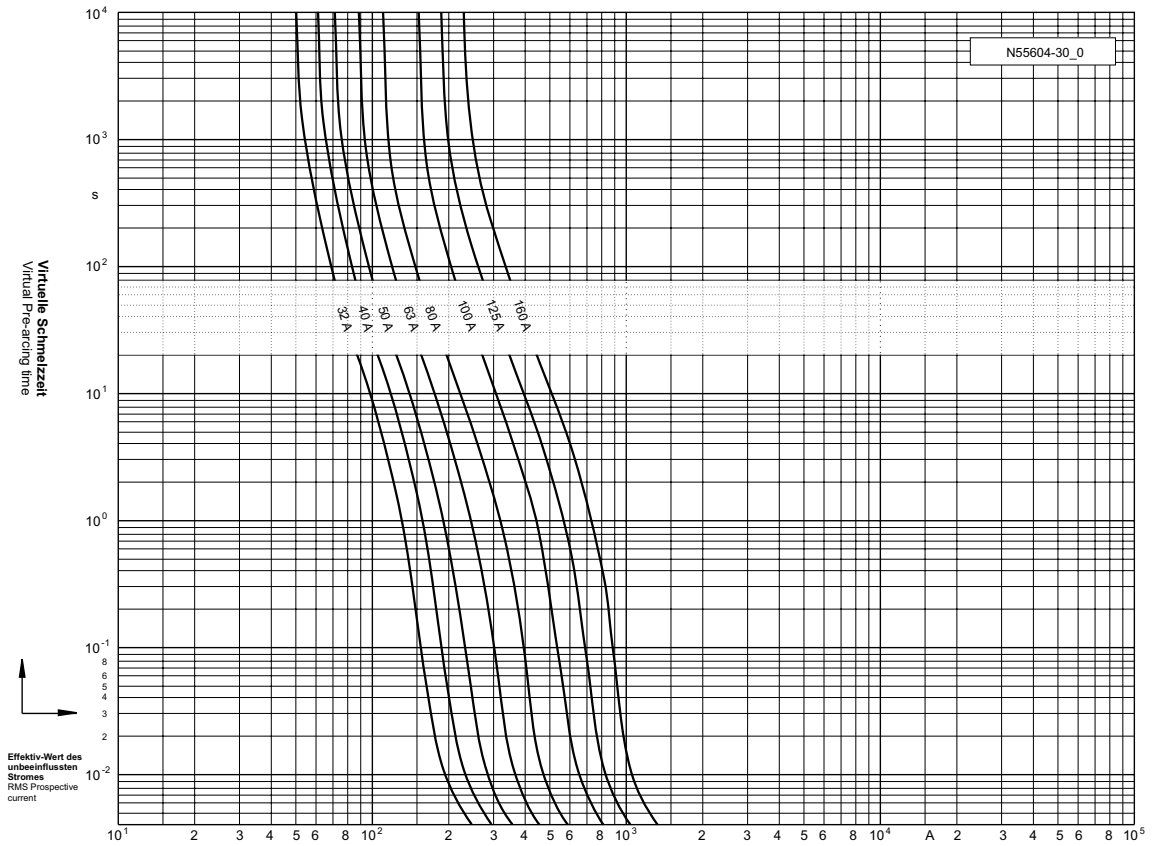
| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ DC 750 V | Leistungs- abgabe Power Loss |
|----------------------------------|--|-------------------|------------------------------|--|---|--|------------------------------------|
| A | mit Kombimelder* with combi indicator | kg / 1 | | V | A ² s | A ² s | W |
| 32 | 20 556 04.32 | 0,48 | gR | DC 750 | 100 | 800 | 5,9 |
| 40 | 20 556 04.40 | 0,48 | gR | DC 750 | 180 | 1.400 | 7,1 |
| 50 | 20 556 04.50 | 0,48 | gR | DC 750 | 290 | 2.200 | 8,6 |
| 63 | 20 556 04.63 | 0,48 | gR | DC 750 | 410 | 3.200 | 10 |
| 80 | 20 556 04.80 | 0,48 | gR | DC 750 | 740 | 5.700 | 12 |
| 100 | 20 556 04.100 | 0,48 | gR | DC 750 | 1.300 | 10.000 | 15 |
| 125 | 20 556 04.125 | 0,48 | gR | DC 750 | 2.500 | 19.000 | 19 |
| 160 | 20 556 04.160 | 0,48 | gR | DC 750 | 3.700 | 29.000 | 23 |
| 200 | 20 556 32.200 | 0,48 | aR | DC 750 | 6.600 | 22.000 | 35 |

Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

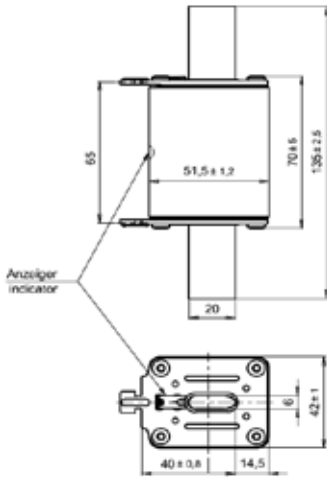
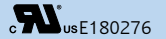
| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,25 | 0,6 | 0,8 |

DC 750 V NH 1

Zeit/Strom-Kennlinien
Time-current characteristics



DC 800 V NH 1



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|--|-----------------------------------|
| Betriebsklasse / Class gRL (gS) gR | IEC 60 269-4 UL 248-13 |
|--|-----------------------------------|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| DC 800 V | 20 556 34* | 1 | 32-160 |
| DC 900 V | 20 556 34* | 1 | 32-160 |

**Bemessungsausschaltvermögen / Rated breaking capacity 100 kA DC 900 V
L/R ≈ 8 ms**


| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ DC 900 V (L/R=8 ms) | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|--|---|--|------------------------------------|
| A | | kg / 1 | IEC 60 269-4 V | UL 248-13 V | A ² s | A ² s | W |
| 32 | 20 556 34.32* | 0,48 | DC 800 V | DC 900 V | 105 | 650 | 7 |
| 40 | 20 556 34.40* | 0,48 | DC 800 V | DC 900 V | 250 | 1.250 | 7,5 |
| 50 | 20 556 34.50* | 0,48 | DC 800 V | DC 900 V | 420 | 2.000 | 8 |
| 63 | 20 556 34.63* | 0,48 | DC 800 V | DC 900 V | 750 | 3.550 | 10 |
| 80 | 20 556 34.80* | 0,48 | DC 800 V | DC 900 V | 1.350 | 6.250 | 12 |
| 100 | 20 556 34.100* | 0,48 | DC 800 V | DC 900 V | 2.050 | 9.500 | 15 |
| 125 | 20 556 34.125* | 0,48 | DC 800 V | DC 900 V | 3.700 | 17.000 | 19 |
| 160 | 20 556 34.160* | 0,48 | DC 800 V | DC 900 V | 7.800 | 35.000 | 21 |

* Anbaumöglichkeit eines Meldeschalters
suitable for switch fitting

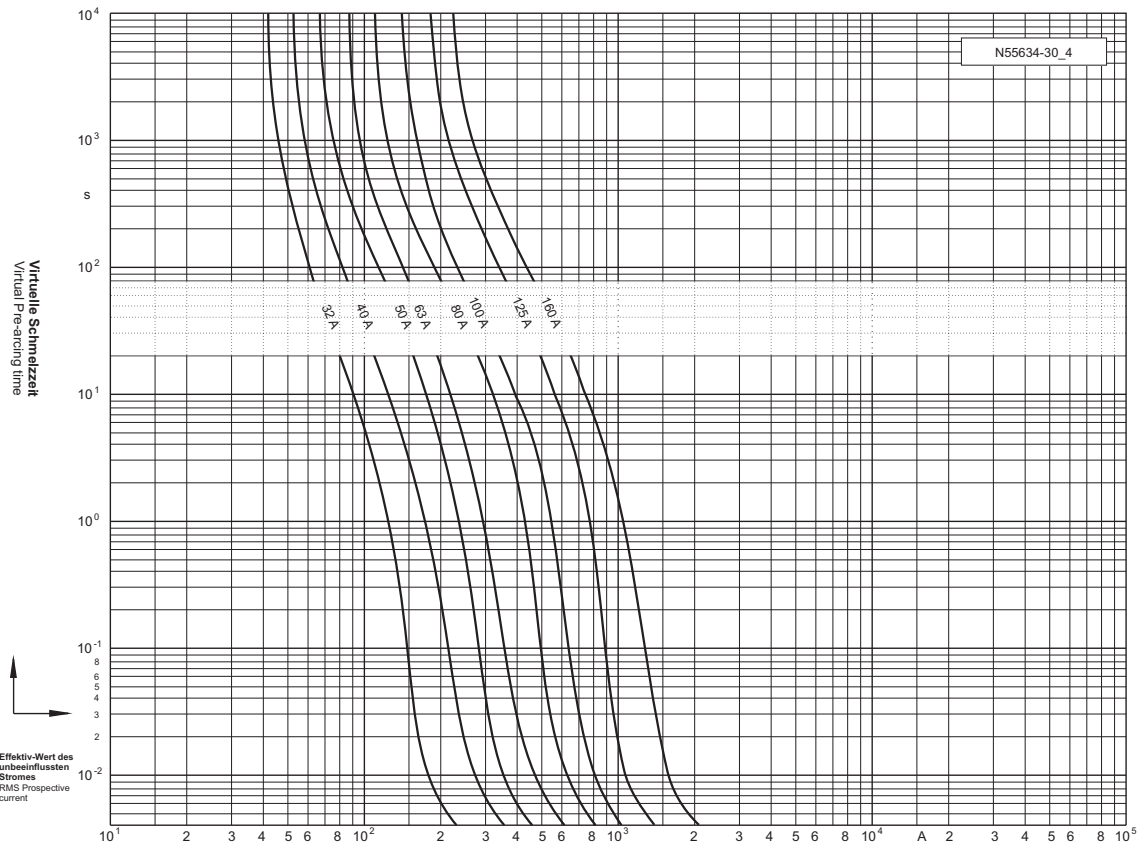
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,3 | 0,6 | 0,8 |

DC 800 V NH 1

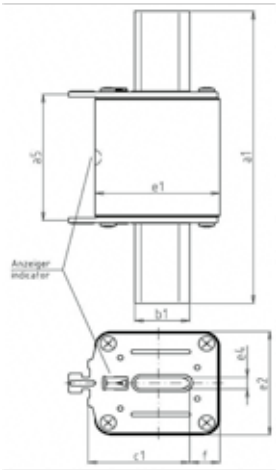
 usE180276

**Zeit/Strom-
Kennlinien**
Time-current
characteristics



**Zeit/Strom-
Kennlinien**
Time-current
characteristics

DC 800 V NH 2



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|--------------------------------------|--|
| Betriebsklasse / Class gRL | IEC 60 269-4 VDE 0636-4 |
|--------------------------------------|--|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | | |
|--|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|----|
| | | | | a _s | a ₁ | b ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ | |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 800 | 20 557 34 | 2 | 200 | 65 | 150 | 26 | 6 | 59 | 53 | 14 | 48 | |

Bemessungsausschaltvermögen / Rated breaking capacity 30 kA DC 900 V
(L/R= 10 ms)

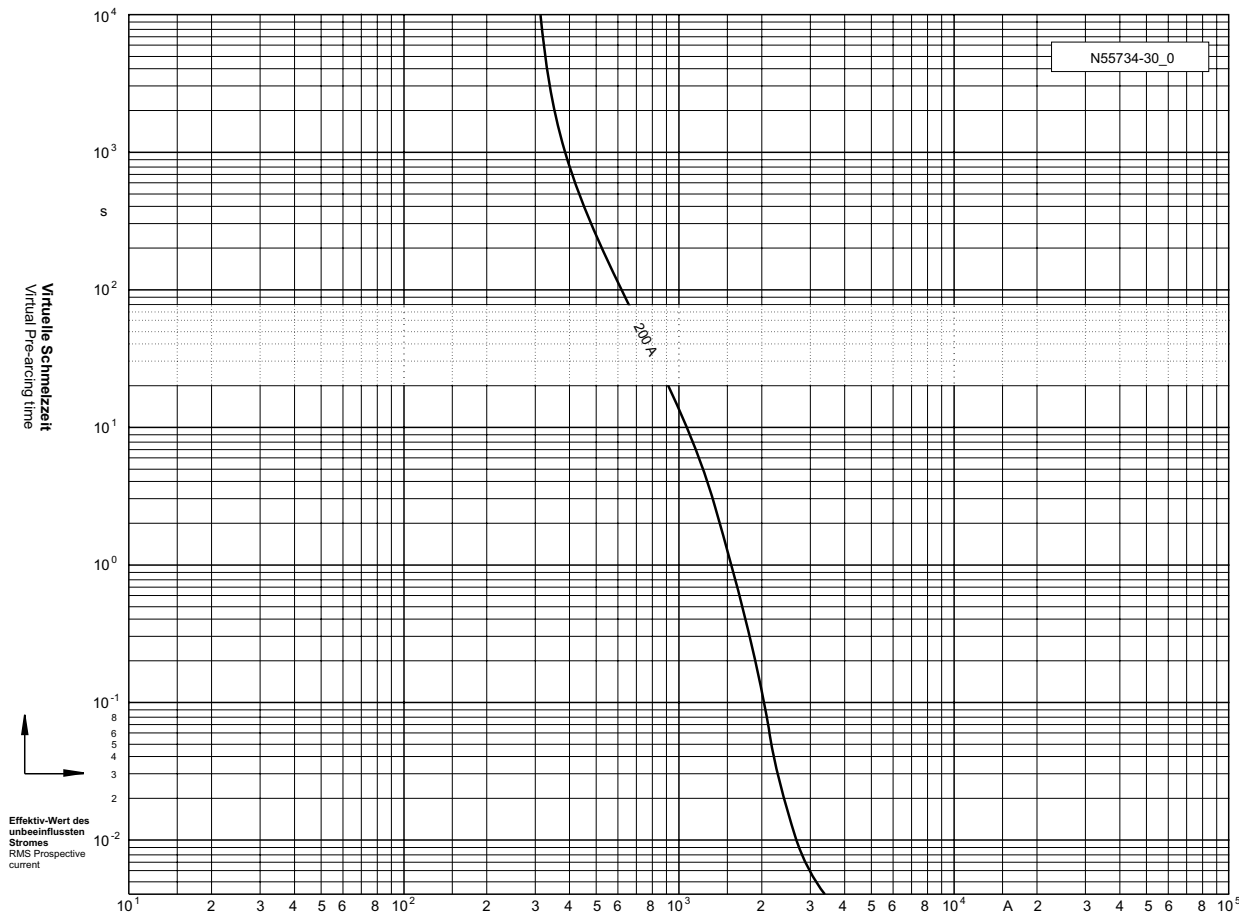
| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Prüf- spannung Tested Voltage | Schmelzintegral Pre-Arcing-I ² t-Value | Ausschaltintegral Total I ² t-Value | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|-------------------------------------|--|---|------------------------------------|
| A | | kg / 1 | V | A ² s | A ² s | W |
| 200 | 20 557 34.200 | 0,7 | DC 900 V | 23.700 | 75.000 | 20 |

Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

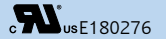
| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,6 | 0,8 |

DC 800 V NH 2

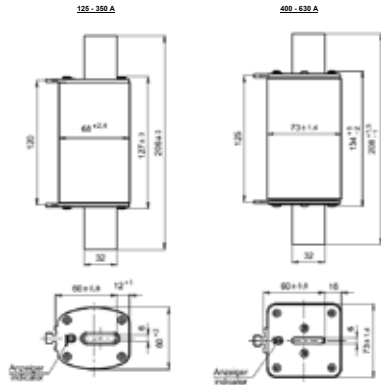
**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 800 V NH 3L / SQB-DC93



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



| | |
|---|---------------------------|
| Betriebsklasse / Class gRL(gs) gR | IEC 60 269-4 UL 248-13 |
|---|---------------------------|

| Bemessungs- spannung Rated Vol- tage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | | | | |
|---|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----|----|
| | | | | a ₁ | a ₂ | a ₅ | b ₁ | e ₁ | e ₂ | e ₄ | c ₁ | f | | |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 900 V | 20 031 34 | NH3L | 125-630 | 208 | 134 | 125 | 32 | 73 | 73 | 6 | 60 | 16 | | |

Bemessungsausschaltvermögen / Rated breaking capacity 50 kA DC 1000 V
L/R ≈ 10ms
100 kA DC 900 V
L/R ≈ 8ms

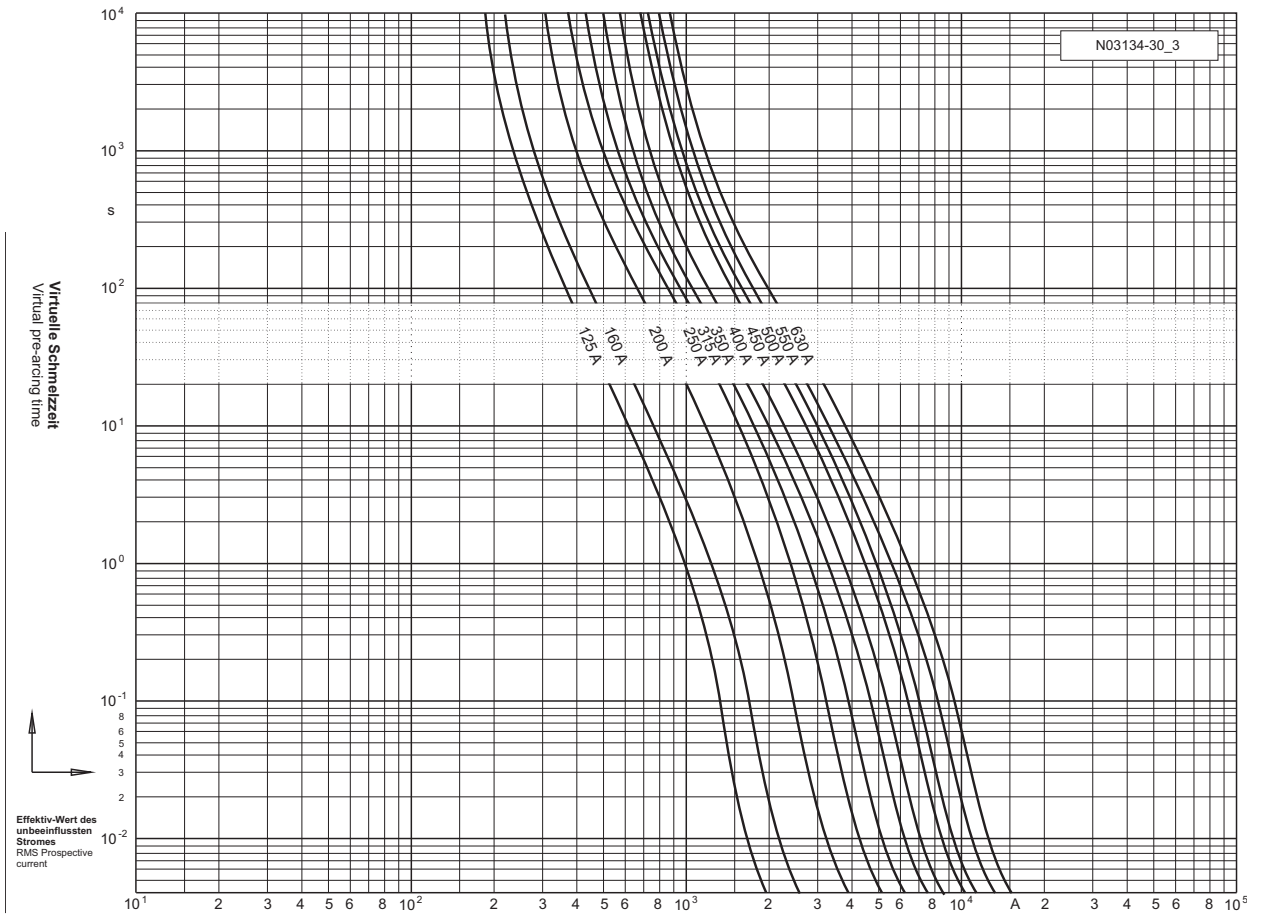
| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage IEC 60 269-4 | Bemessungs- spannung Rated Voltage UL 248-13 | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value @ DC 800 V | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--|---|------------------------------------|
| A | | kg / l | V | V | A ² s | A ² s | W |
| 125 | 20 031 34.125 | 1,4 | DC 900 | DC 900 | 5.400 | 30.000 | 22 |
| 160 | 20 031 34.160 | 1,4 | DC 900 | DC 900 | 9.500 | 52.000 | 27 |
| 200 | 20 031 34.200 | 1,4 | DC 900 | DC 900 | 21.500 | 116.000 | 30 |
| 250 | 20 031 34.250 | 1,4 | DC 900 | DC 900 | 38.200 | 206.000 | 34 |
| 315 | 20 031 34.315 | 1,4 | DC 900 | DC 900 | 57.100 | 307.000 | 50 |
| 350 | 20 031 34.350 | 1,4 | DC 900 | DC 900 | 79.700 | 428.000 | 52 |
| 400 | 20 031 34.400 | 1,4 | DC 800 | DC 900 | 106.000 | 561.000 | 58 |
| 450 | 20 031 34.450 | 1,4 | DC 800 | DC 900 | 153.000 | 790.000 | 62 |
| 500 | 20 031 34.500 | 1,4 | DC 800 | DC 900 | 189.000 | 975.000 | 74 |
| 550 | 20 031 34.550 | 1,4 | DC 800 | DC 900 | 258.000 | 1.330.000 | 79 |
| 630 | 20 031 34.630 | 1,4 | DC 800 | DC 900 | 331.000 | 1.700.000 | 90 |

| Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13) | | | | | | |
|---|-----|---------|-----|-----|--|--|
| a | A2 | B1 max. | B2 | Cf3 | | |
| 130 | 0,9 | 1,25 | 0,5 | 0,8 | | |

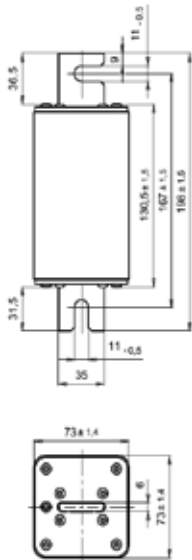
DC 800 V NH 3L / SQB-DC93

usE180276

**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 800 V NH 3L / SQB-DC93



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|---|---------------------------|
| Betriebsklasse / Class gRL(gs) gR | IEC 60 269-4 UL 248-13 |
|---|---------------------------|

| Bemessungs- spannung Rated Vol- tage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | | | | |
|---|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----|----|
| | | | | a ₁ | a ₂ | a ₅ | b ₁ | e ₁ | e ₂ | e ₄ | c ₁ | f | | |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 900 V | 20 034 33 | NH3L | 125-630 | 208 | 134 | 125 | 32 | 73 | 73 | 6 | 60 | 16 | | |


Bemessungsausschaltvermögen / Rated breaking capacity 50 kA DC 1000 V
L/R ≈ 10ms
100 kA DC 900 V
L/R ≈ 8ms

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage IEC 60 269-4 | Bemessungs- spannung Rated Voltage UL 248-13 | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value @ DC 800 V | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--|---|------------------------------------|
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 125 | 20 034 33.125 | 1,4 | DC 900 | DC 900 | 5.400 | 30.000 | 22 |
| 160 | 20 034 33.160 | 1,4 | DC 900 | DC 900 | 9.500 | 52.000 | 27 |
| 200 | 20 034 33.200 | 1,4 | DC 900 | DC 900 | 21.500 | 116.000 | 30 |
| 250 | 20 034 33.250 | 1,4 | DC 900 | DC 900 | 38.200 | 206.000 | 34 |
| 315 | 20 034 33.315 | 1,4 | DC 900 | DC 900 | 57.100 | 307.000 | 50 |
| 350 | 20 034 33.350 | 1,4 | DC 900 | DC 900 | 79.700 | 428.000 | 52 |
| 400 | 20 034 33.400 | 1,4 | DC 800 | DC 900 | 106.000 | 561.000 | 58 |
| 450 | 20 034 33.450 | 1,4 | DC 800 | DC 900 | 153.000 | 790.000 | 62 |
| 500 | 20 034 33.500 | 1,4 | DC 800 | DC 900 | 189.000 | 975.000 | 74 |
| 550 | 20 034 33.550 | 1,4 | DC 800 | DC 900 | 258.000 | 1.330.000 | 79 |
| 630 | 20 034 33.630 | 1,4 | DC 800 | DC 900 | 331.000 | 1.700.000 | 90 |

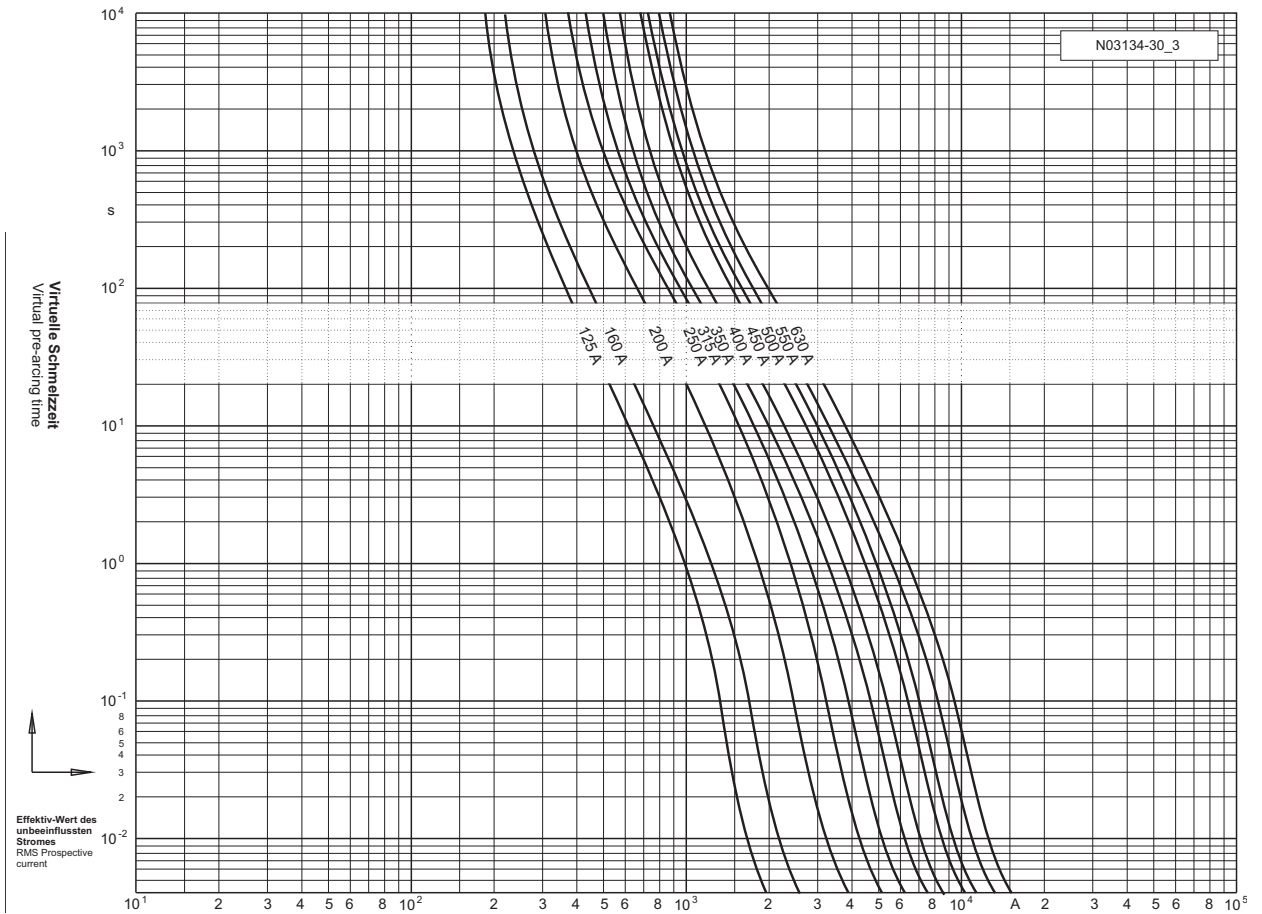
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

DC 800 V NH 3L / SQB-DC93

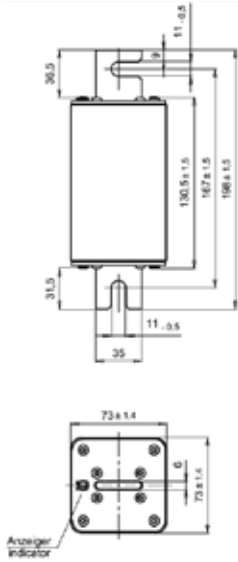
 **usE180276**

Zeit/Strom-Kennlinien
Time-current characteristics



DC 800 V NH 3L / SQB-DC93

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



| | |
|---|-----------------------------------|
| Betriebsklasse / Class gRL(gs) gR | IEC 60 269-4 UL 248-13 |
|---|-----------------------------------|

| Bemessungs- spannung Rated Vol- tage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | | | |
|---|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----|
| | | | | a ₁ | a ₂ | a ₅ | b ₁ | e ₁ | e ₂ | e ₄ | c ₁ | f | |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 900 V | 20 034 34 | NH3L | 125-630 | 208 | 134 | 125 | 32 | 73 | 73 | 6 | 60 | 16 | |

Bemessungsausschaltvermögen / Rated breaking capacity 50 kA DC 1000 V
L/R ≈ 10ms
100 kA DC 900 V
L/R ≈ 8ms

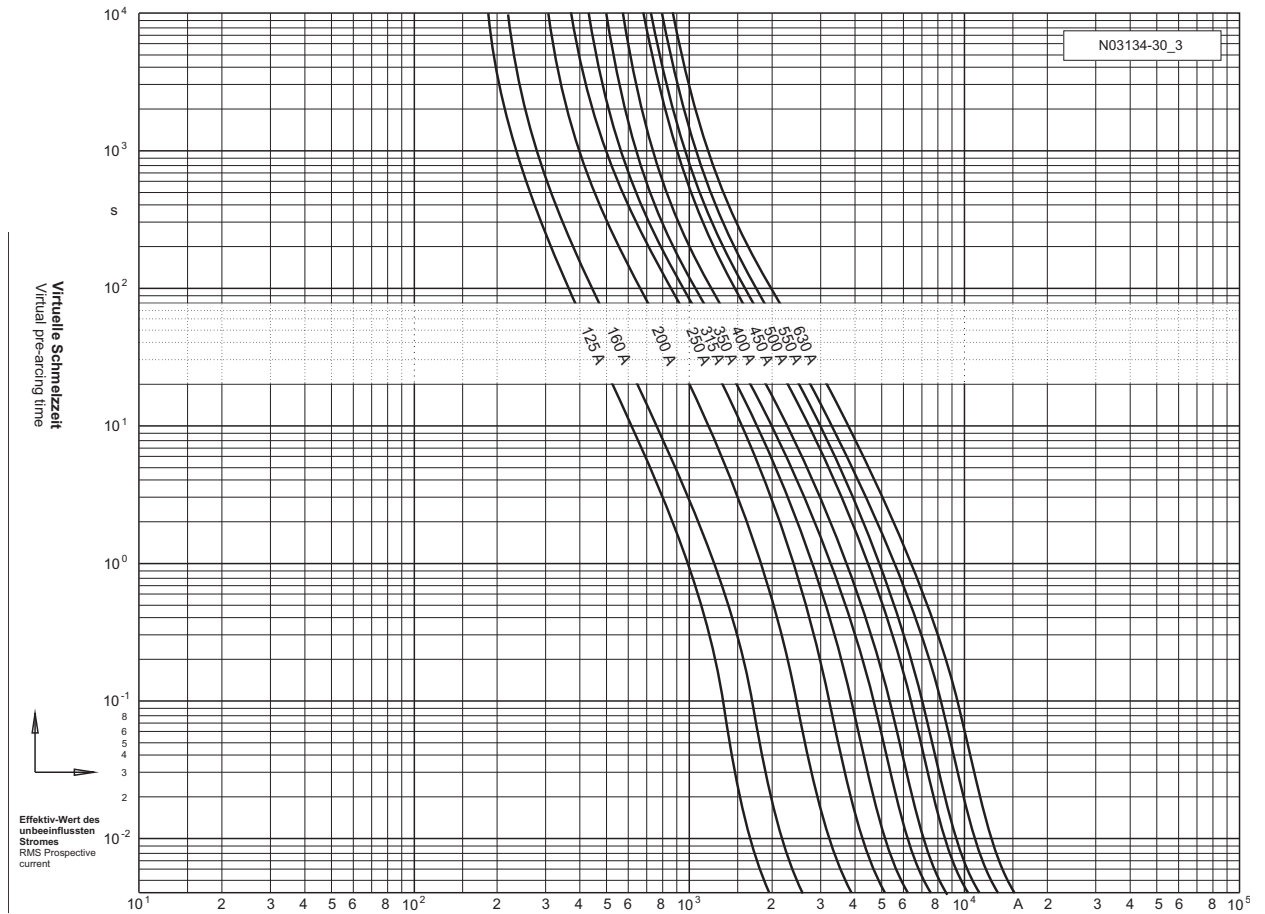
| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage IEC 60 269-4 | Bemessungs- spannung Rated Voltage UL 248-13 | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value @ DC 800 V | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--|---|------------------------------------|
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 125 | 20 034 34.125 | 1,4 | DC 900 | DC 900 | 5.400 | 30.000 | 22 |
| 160 | 20 034 34.160 | 1,4 | DC 900 | DC 900 | 9.500 | 52.000 | 27 |
| 200 | 20 034 34.200 | 1,4 | DC 900 | DC 900 | 21.500 | 116.000 | 30 |
| 250 | 20 034 34.250 | 1,4 | DC 900 | DC 900 | 38.200 | 206.000 | 34 |
| 315 | 20 034 34.315 | 1,4 | DC 900 | DC 900 | 57.100 | 307.000 | 50 |
| 350 | 20 034 34.350 | 1,4 | DC 900 | DC 900 | 79.700 | 428.000 | 52 |
| 400 | 20 034 34.400 | 1,4 | DC 800 | DC 900 | 106.000 | 561.000 | 58 |
| 450 | 20 034 34.450 | 1,4 | DC 800 | DC 900 | 153.000 | 790.000 | 62 |
| 500 | 20 034 34.500 | 1,4 | DC 800 | DC 900 | 189.000 | 975.000 | 74 |
| 550 | 20 034 34.550 | 1,4 | DC 800 | DC 900 | 258.000 | 1.330.000 | 79 |
| 630 | 20 034 34.630 | 1,4 | DC 800 | DC 900 | 331.000 | 1.700.000 | 90 |

| Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13) | | | | | |
|---|-----|---------|-----|-----|--|
| a | A2 | B1 max. | B2 | Cf3 | |
| 130 | 0,9 | 1,25 | 0,5 | 0,8 | |

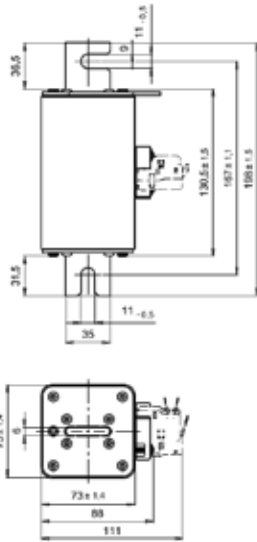
DC 800 V NH 3L / SQB-DC93

usE180276

**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 800 V NH 3L / SQB-DC93



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|---|---------------------------|
| Betriebsklasse / Class gRL(gs) gR | IEC 60 269-4 UL 248-13 |
|---|---------------------------|

| Bemessungs- spannung Rated Vol- tage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | | | | |
|---|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----|----|
| | | | | a ₁ | a ₂ | a ₅ | b ₁ | e ₁ | e ₂ | e ₄ | c ₁ | f | | |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 900 V | 20 034 35 | NH3L | 125-630 | 208 | 134 | 125 | 32 | 73 | 73 | 6 | 60 | 16 | | |

Bemessungsausschaltvermögen / Rated breaking capacity 50 kA DC 1000 V
L/R ≈ 10ms
100 kA DC 900 V
L/R ≈ 8ms

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage IEC 60 269-4 | Bemessungs- spannung Rated Voltage UL 248-13 | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value @ DC 800 V | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--|---|------------------------------------|
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 125 | 20 034 35.125 | 1,4 | DC 900 | DC 900 | 5.400 | 30.000 | 22 |
| 160 | 20 034 35.160 | 1,4 | DC 900 | DC 900 | 9.500 | 52.000 | 27 |
| 200 | 20 034 35.200 | 1,4 | DC 900 | DC 900 | 21.500 | 116.000 | 30 |
| 250 | 20 034 35.250 | 1,4 | DC 900 | DC 900 | 38.200 | 206.000 | 34 |
| 315 | 20 034 35.315 | 1,4 | DC 900 | DC 900 | 57.100 | 307.000 | 50 |
| 350 | 20 034 35.350 | 1,4 | DC 900 | DC 900 | 79.700 | 428.000 | 52 |
| 400 | 20 034 35.400 | 1,4 | DC 800 | DC 900 | 106.000 | 561.000 | 58 |
| 450 | 20 034 35.450 | 1,4 | DC 800 | DC 900 | 153.000 | 790.000 | 62 |
| 500 | 20 034 35.500 | 1,4 | DC 800 | DC 900 | 189.000 | 975.000 | 74 |
| 550 | 20 034 35.550 | 1,4 | DC 800 | DC 900 | 258.000 | 1.330.000 | 79 |
| 630 | 20 034 35.630 | 1,4 | DC 800 | DC 900 | 331.000 | 1.700.000 | 90 |

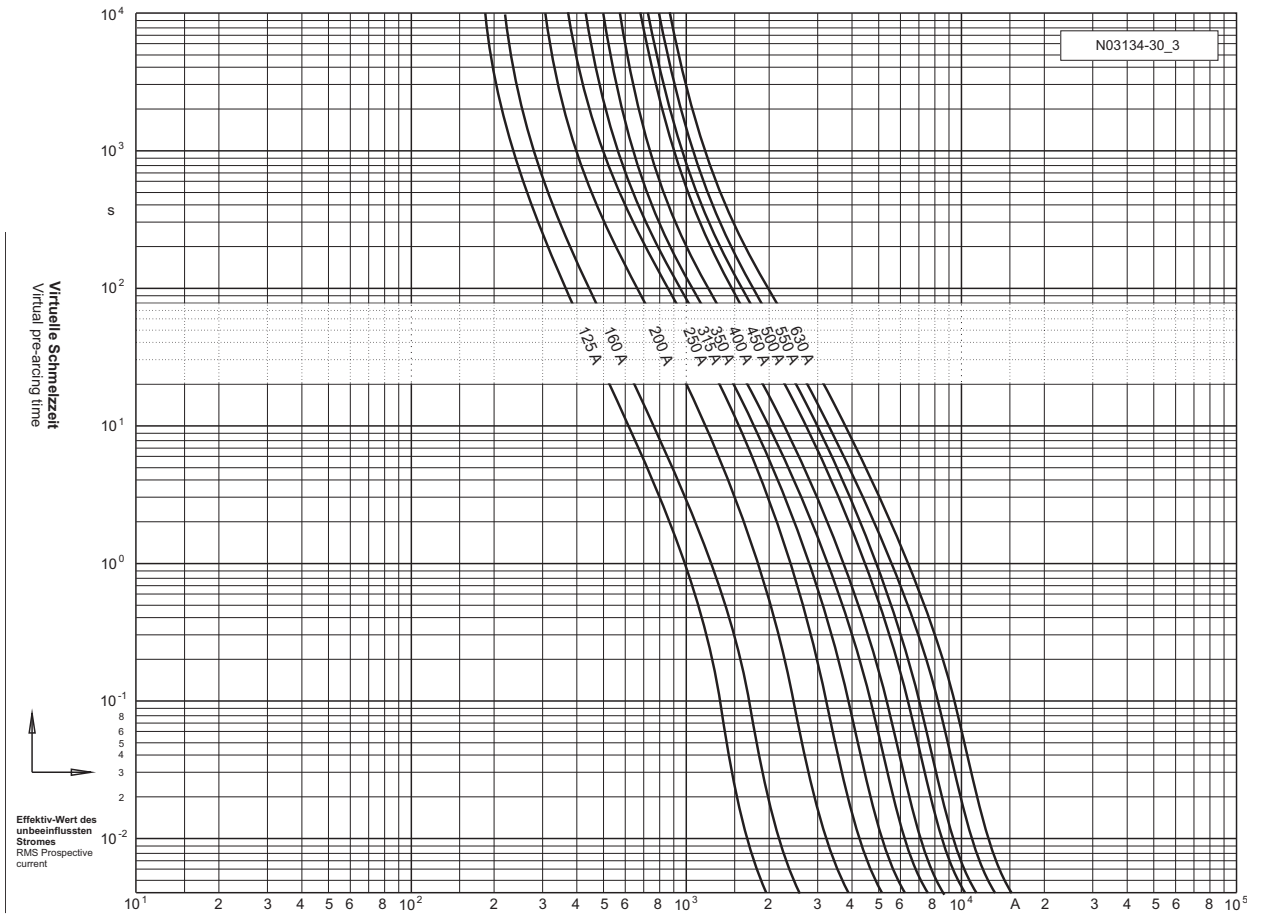
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

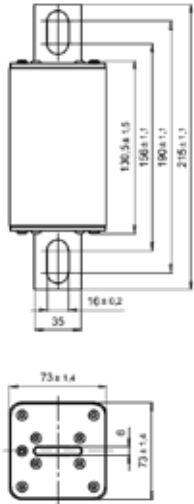
DC 800 V NH 3L / SQB-DC93

usE180276

**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 800 V NH 3L / SQB-DC93



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|---|---------------------------|
| Betriebsklasse / Class gRL(gs) gR | IEC 60 269-4 UL 248-13 |
|---|---------------------------|

| Bemessungs- spannung Rated Vol- tage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | | | | |
|---|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----|----|
| | | | | a ₁ | a ₂ | a ₅ | b ₁ | e ₁ | e ₂ | e ₄ | c ₁ | f | | |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 900 V | 20 035 33 | NH3L | 125-630 | 208 | 134 | 125 | 32 | 73 | 73 | 6 | 60 | 16 | | |

Bemessungsausschaltvermögen / Rated breaking capacity 50 kA DC 1000 V
L/R ≈ 10ms
100 kA DC 900 V
L/R ≈ 8ms

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage IEC 60 269-4 | Bemessungs- spannung Rated Voltage UL 248-13 | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value @ DC 800 V | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--|---|------------------------------------|
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 125 | 20 035 33.125 | 1,4 | DC 900 | DC 900 | 5.400 | 30.000 | 22 |
| 160 | 20 035 33.160 | 1,4 | DC 900 | DC 900 | 9.500 | 52.000 | 27 |
| 200 | 20 035 33.200 | 1,4 | DC 900 | DC 900 | 21.500 | 116.000 | 30 |
| 250 | 20 035 33.250 | 1,4 | DC 900 | DC 900 | 38.200 | 206.000 | 34 |
| 315 | 20 035 33.315 | 1,4 | DC 900 | DC 900 | 57.100 | 307.000 | 50 |
| 350 | 20 035 33.350 | 1,4 | DC 900 | DC 900 | 79.700 | 428.000 | 52 |
| 400 | 20 035 33.400 | 1,4 | DC 800 | DC 900 | 106.000 | 561.000 | 58 |
| 450 | 20 035 33.450 | 1,4 | DC 800 | DC 900 | 153.000 | 790.000 | 62 |
| 500 | 20 035 33.500 | 1,4 | DC 800 | DC 900 | 189.000 | 975.000 | 74 |
| 550 | 20 035 33.550 | 1,4 | DC 800 | DC 900 | 258.000 | 1.330.000 | 79 |
| 630 | 20 035 33.630 | 1,4 | DC 800 | DC 900 | 331.000 | 1.700.000 | 90 |

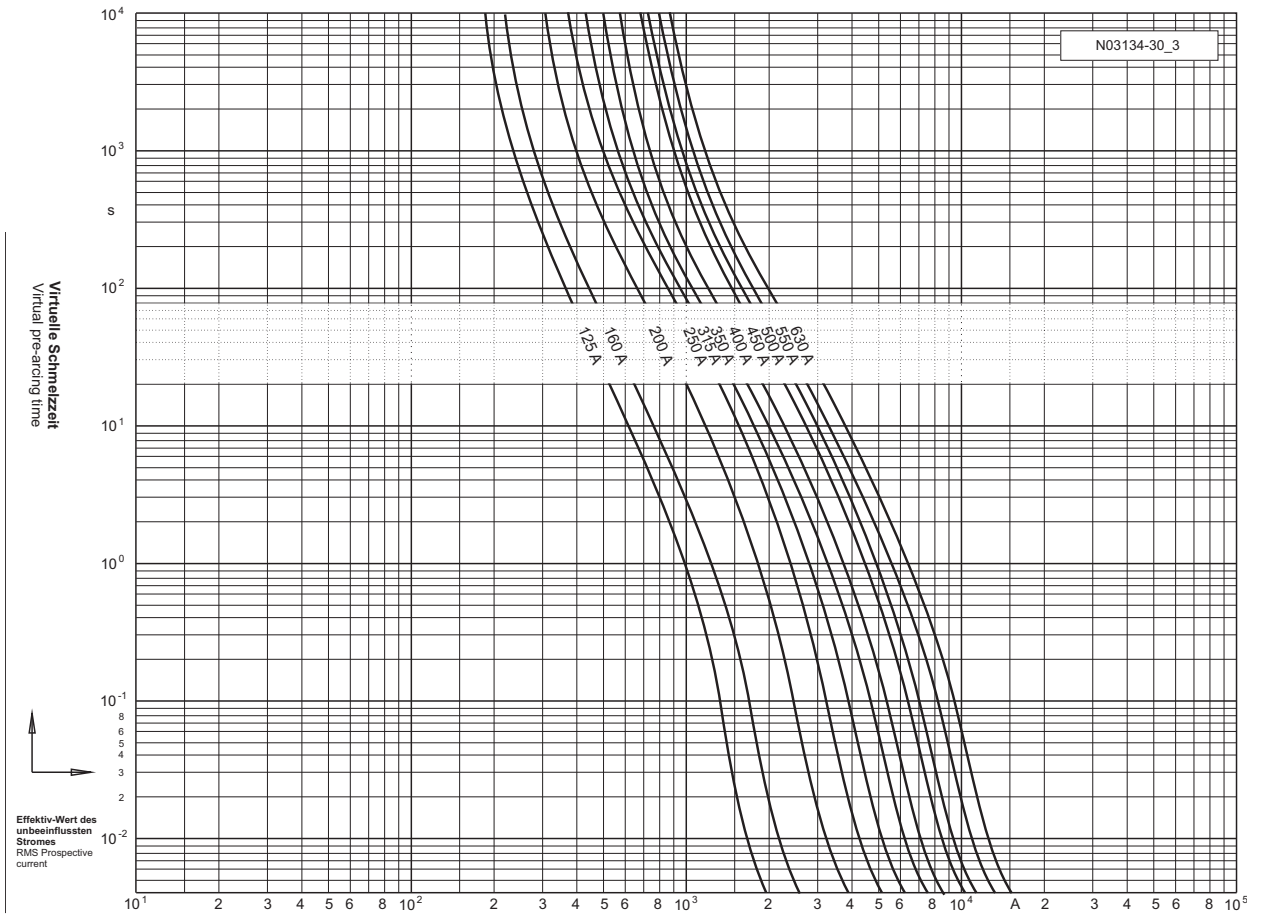
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

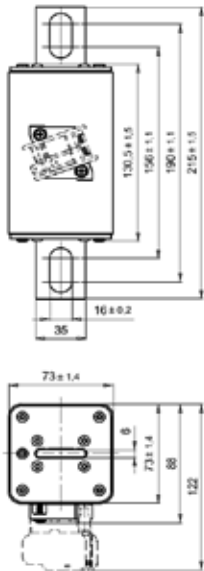
DC 800 V NH 3L / SQB-DC93

usE180276

Zeit/Strom-Kennlinien
Time-current characteristics



DC 800 V NH 3L / SQB-DC93



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|---|---------------------------|
| Betriebsklasse / Class gRL(gS) gR | IEC 60 269-4 UL 248-13 |
|---|---------------------------|

| Bemessungs- spannung Rated Vol- tage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | | | | |
|---|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----|----|
| | | | | a ₁ | a ₂ | a ₅ | b ₁ | e ₁ | e ₂ | e ₄ | c ₁ | f | | |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 900 V | 20 035 35 | NH3L | 125-630 | 208 | 134 | 125 | 32 | 73 | 73 | 6 | 60 | 16 | | |

Bemessungsausschaltvermögen / Rated breaking capacity 50 kA DC 1000 V
L/R ≈ 10ms
100 kA DC 900 V
L/R ≈ 8ms

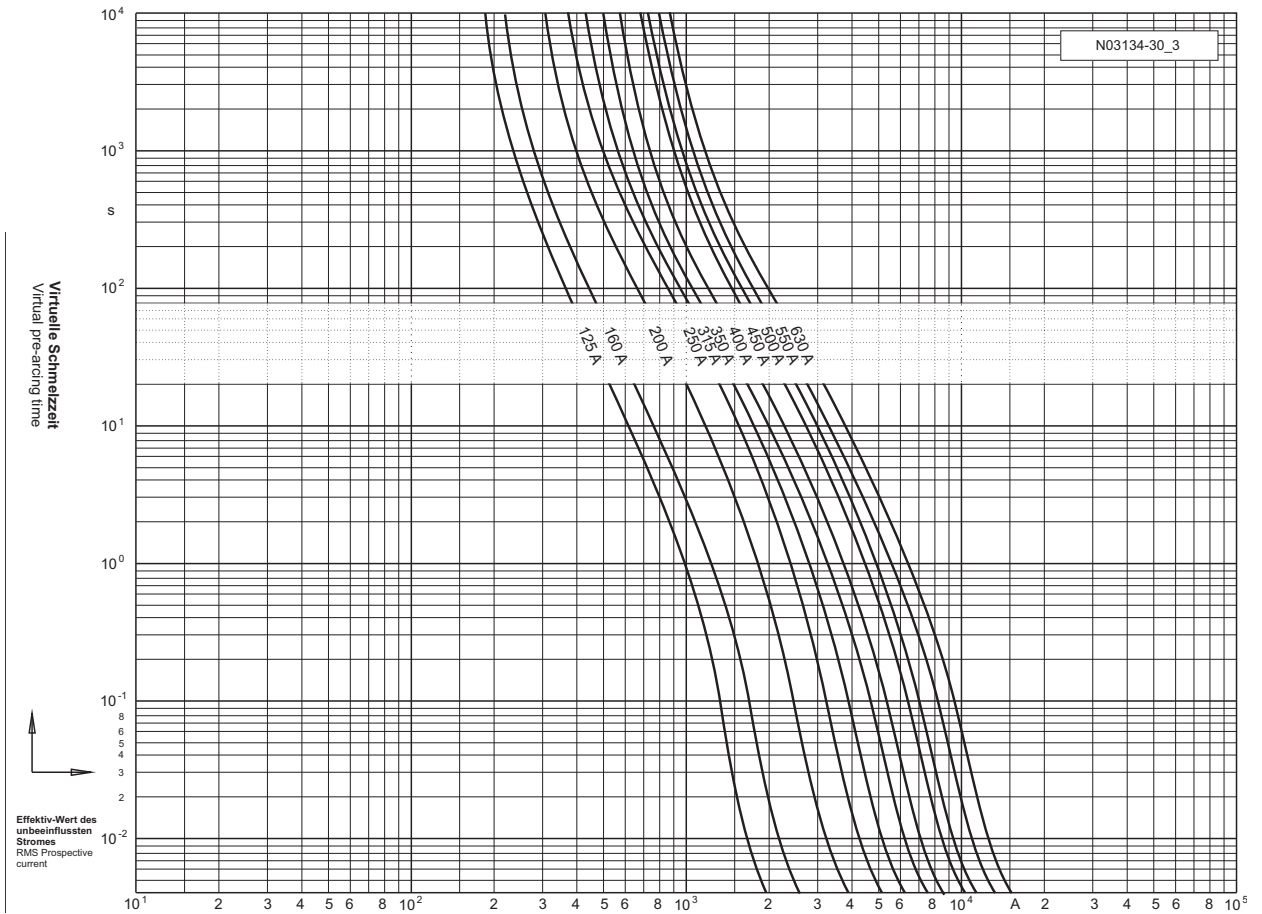
| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage IEC 60 269-4 | Bemessungs- spannung Rated Voltage UL 248-13 | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value @ DC 800 V | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--|---|------------------------------------|
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 125 | 20 035 35.125 | 1,4 | DC 900 | DC 900 | 5.400 | 30.000 | 22 |
| 160 | 20 035 35.160 | 1,4 | DC 900 | DC 900 | 9.500 | 52.000 | 27 |
| 200 | 20 035 35.200 | 1,4 | DC 900 | DC 900 | 21.500 | 116.000 | 30 |
| 250 | 20 035 35.250 | 1,4 | DC 900 | DC 900 | 38.200 | 206.000 | 34 |
| 315 | 20 035 35.315 | 1,4 | DC 900 | DC 900 | 57.100 | 307.000 | 50 |
| 350 | 20 035 35.350 | 1,4 | DC 900 | DC 900 | 79.700 | 428.000 | 52 |
| 400 | 20 035 35.400 | 1,4 | DC 800 | DC 900 | 106.000 | 561.000 | 58 |
| 450 | 20 035 35.450 | 1,4 | DC 800 | DC 900 | 153.000 | 790.000 | 62 |
| 500 | 20 035 35.500 | 1,4 | DC 800 | DC 900 | 189.000 | 975.000 | 74 |
| 550 | 20 035 35.550 | 1,4 | DC 800 | DC 900 | 258.000 | 1.330.000 | 79 |
| 630 | 20 035 35.630 | 1,4 | DC 800 | DC 900 | 331.000 | 1.700.000 | 90 |

| Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13) | | | | | |
|---|-----|---------|-----|-----|--|
| a | A2 | B1 max. | B2 | Cf3 | |
| 130 | 0,9 | 1,25 | 0,5 | 0,8 | |

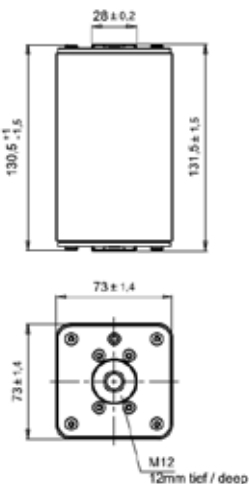
DC 800 V NH 3L / SQB-DC93

usE180276

Zeit/Strom-Kennlinien
Time-current characteristics



DC 800 V NH 3L / SQB-DC93



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|---|---------------------------|
| Betriebsklasse / Class gRL(gs) gR | IEC 60 269-4 UL 248-13 |
|---|---------------------------|

| Bemessungs- spannung Rated Vol- tage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | | | | |
|---|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----|----|
| | | | | a ₁ | a ₂ | a ₅ | b ₁ | e ₁ | e ₂ | e ₄ | c ₁ | f | | |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 900 V | 20 036 33 | NH3L | 125-630 | 208 | 134 | 125 | 32 | 73 | 73 | 6 | 60 | 16 | | |

Bemessungsausschaltvermögen / Rated breaking capacity 50 kA DC 1000 V
L/R ≈ 10ms
100 kA DC 900 V
L/R ≈ 8ms

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage IEC 60 269-4 | Bemessungs- spannung Rated Voltage UL 248-13 | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value @ DC 800 V | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--|---|------------------------------------|
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 125 | 20 036 33.125 | 1,4 | DC 900 | DC 900 | 5.400 | 30.000 | 22 |
| 160 | 20 036 33.160 | 1,4 | DC 900 | DC 900 | 9.500 | 52.000 | 27 |
| 200 | 20 036 33.200 | 1,4 | DC 900 | DC 900 | 21.500 | 116.000 | 30 |
| 250 | 20 036 33.250 | 1,4 | DC 900 | DC 900 | 38.200 | 206.000 | 34 |
| 315 | 20 036 33.315 | 1,4 | DC 900 | DC 900 | 57.100 | 307.000 | 50 |
| 350 | 20 036 33.350 | 1,4 | DC 900 | DC 900 | 79.700 | 428.000 | 52 |
| 400 | 20 036 33.400 | 1,4 | DC 800 | DC 900 | 106.000 | 561.000 | 58 |
| 450 | 20 036 33.450 | 1,4 | DC 800 | DC 900 | 153.000 | 790.000 | 62 |
| 500 | 20 036 33.500 | 1,4 | DC 800 | DC 900 | 189.000 | 975.000 | 74 |
| 550 | 20 036 33.550 | 1,4 | DC 800 | DC 900 | 258.000 | 1.330.000 | 79 |
| 630 | 20 036 33.630 | 1,4 | DC 800 | DC 900 | 331.000 | 1.700.000 | 90 |

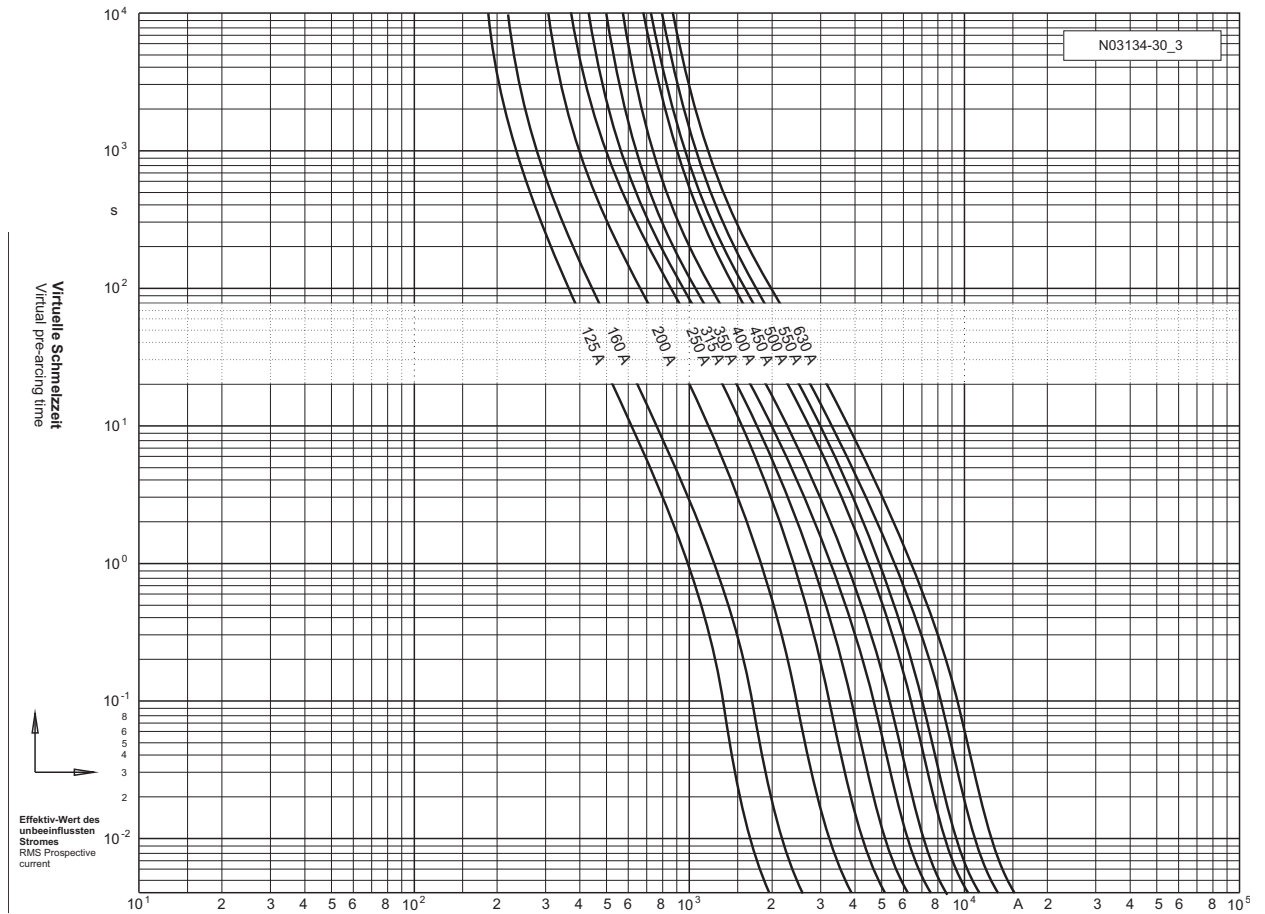
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

DC 800 V NH 3L / SQB-DC93

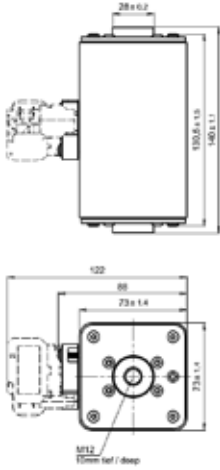
usE180276

**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 800 V NH 3L / SQB-DC93

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



| | |
|---|---------------------------|
| Betriebsklasse / Class gRL(gs) gR | IEC 60 269-4 UL 248-13 |
|---|---------------------------|

| Bemessungs- spannung Rated Vol- tage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | | | | |
|---|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----|----|
| | | | | a ₁ | a ₂ | a ₅ | b ₁ | e ₁ | e ₂ | e ₄ | c ₁ | f | | |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 900 V | 20 036 35 | NH3L | 125-630 | 208 | 134 | 125 | 32 | 73 | 73 | 6 | 60 | 16 | | |


Bemessungsausschaltvermögen / Rated breaking capacity 50 kA DC 1000 V
L/R ≈ 10ms
100 kA DC 900 V
L/R ≈ 8ms

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage | Bemessungs- spannung Rated Voltage | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|--|--|---|------------------------------------|
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 125 | 20 036 35.125 | 1,4 | DC 900 | DC 900 | 5.400 | 30.000 | 22 |
| 160 | 20 036 35.160 | 1,4 | DC 900 | DC 900 | 9.500 | 52.000 | 27 |
| 200 | 20 036 35.200 | 1,4 | DC 900 | DC 900 | 21.500 | 116.000 | 30 |
| 250 | 20 036 35.250 | 1,4 | DC 900 | DC 900 | 38.200 | 206.000 | 34 |
| 315 | 20 036 35.315 | 1,4 | DC 900 | DC 900 | 57.100 | 307.000 | 50 |
| 350 | 20 036 35.350 | 1,4 | DC 900 | DC 900 | 79.700 | 428.000 | 52 |
| 400 | 20 036 35.400 | 1,4 | DC 800 | DC 900 | 106.000 | 561.000 | 58 |
| 450 | 20 036 35.450 | 1,4 | DC 800 | DC 900 | 153.000 | 790.000 | 62 |
| 500 | 20 036 35.500 | 1,4 | DC 800 | DC 900 | 189.000 | 975.000 | 74 |
| 550 | 20 036 35.550 | 1,4 | DC 800 | DC 900 | 258.000 | 1.330.000 | 79 |
| 630 | 20 036 35.630 | 1,4 | DC 800 | DC 900 | 331.000 | 1.700.000 | 90 |

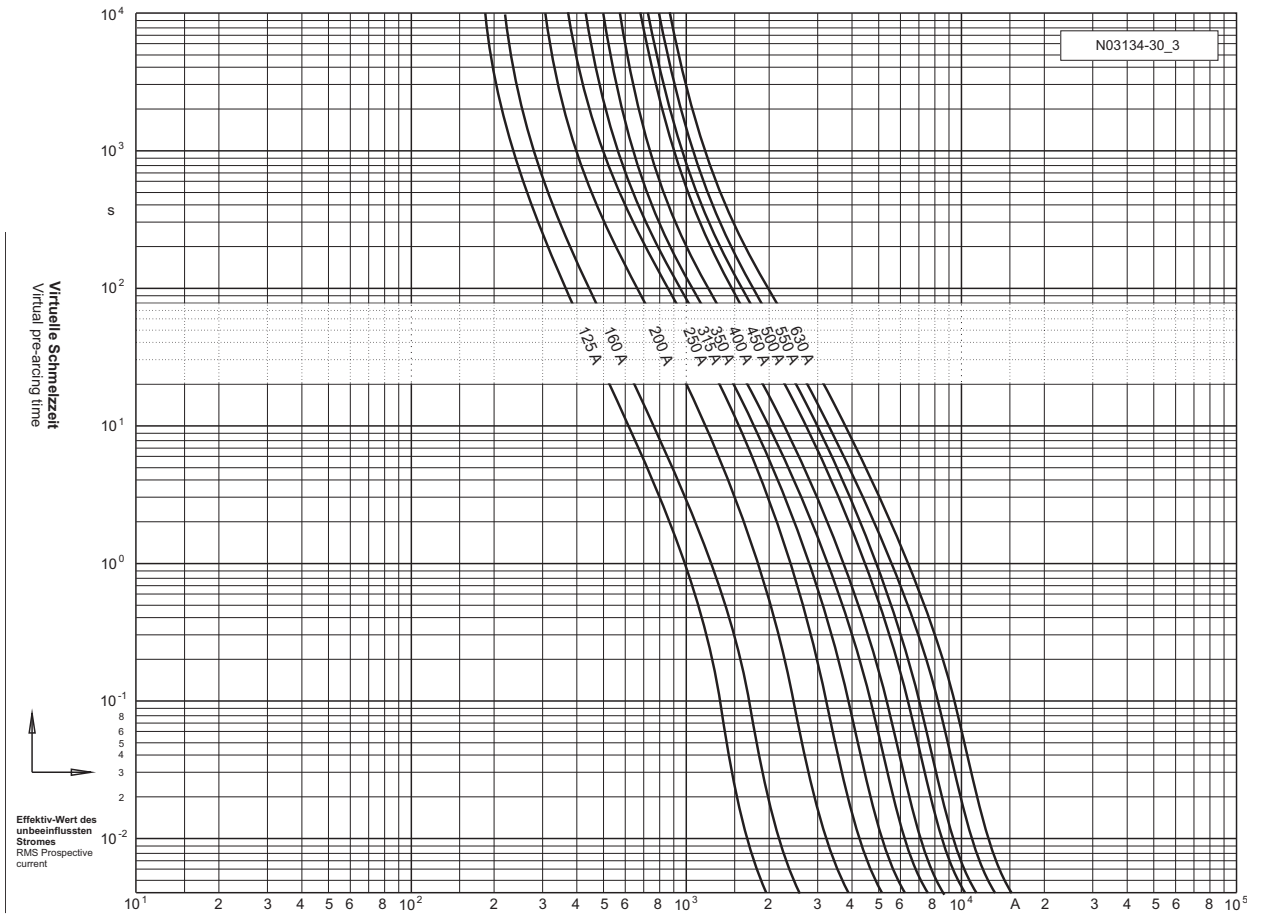
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

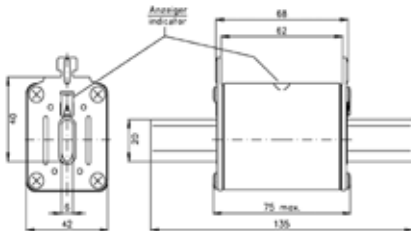
DC 800 V NH 3L / SQB-DC93

 **usE180276**

Zeit/Strom-Kennlinien
Time-current characteristics



DC 1000 V NH 1



20 556 20

Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

Betriebsklasse / Class
Überlast- u. Kurzschlusschutz
overload and short circuit protection

in Anlehnung / following
IEC 60 269-6
UL 2579

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| DC 1000 | 20 556 20 | NH 1 | 50-160 |

Bemessungsausschaltvermögen / Rated breaking capacity 30 kA L/R = 2 mS

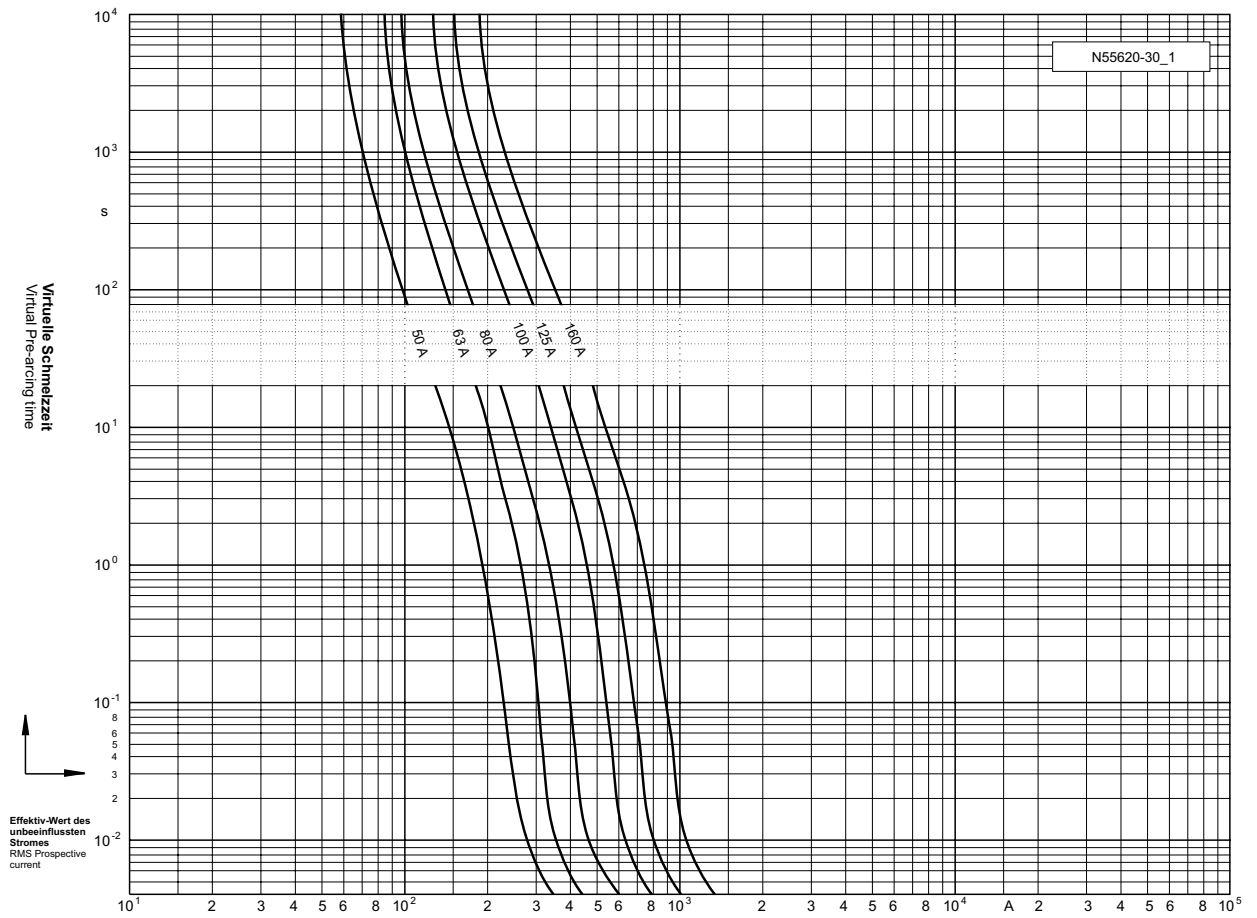
| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse in An- lehnung Class following | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ DC 1000 V | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|--|---|---|------------------------------------|
| A | | kg / 1 | | V | A ² s | A ² s | W |
| 50 | 20 556 20.50 | 0,48 | gPV | DC 1000 | 251 | 950 | 12 |
| 63 | 20 556 20.63 | 0,48 | gPV | DC 1000 | 415 | 1.600 | 14 |
| 80 | 20 556 20.80 | 0,48 | gPV | DC 1000 | 740 | 2.750 | 18 |
| 100 | 20 556 20.100 | 0,48 | gPV | DC 1000 | 1.310 | 4.800 | 20 |
| 125 | 20 556 20.125 | 0,48 | gPV | DC 1000 | 2.050 | 7.700 | 28 |
| 160 | 20 556 20.160 | 0,48 | gPV | DC 1000 | 3.700 | 13.500 | 34 |

Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

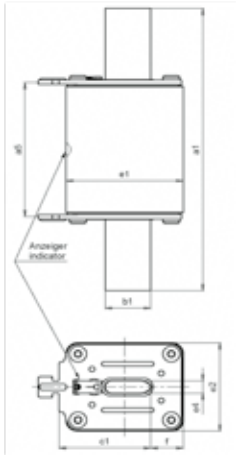
| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,3 | 0,6 | 0,8 |

DC 1000 V NH 1

Zeit/Strom-Kennlinien
Time-current characteristics



DC 1000 V NH 1



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|--------------------------------------|--|
| Betriebsklasse / Class gPV | UL 248-19 IEC 60 269-6 VDE 0636-6 |
|--------------------------------------|--|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | | |
|--|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|--|
| | | | | a ₅ | a ₁ | b ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ | |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm | |
| DC 1000 | 20 556 29 | NH1 | 63-200 | 65 | 135 | 20 | 6 | 51,5 | 42 | 14 | 40 | |

Bemessungsausschaltvermögen / Rated breaking capacity 30 kA DC 1100 V
(L/R=2 ms)

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Prüf- spannung Tested Voltage (L/R = 2 ms) | Schmelzintegral Pre-Arcing-I ² t-Value | Ausschaltintegral Total I ² t-Value @ AC 1000 V | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|---|--|--|------------------------------------|
| A | | kg / 1 | V | A ² s | A ² s | W |
| 63 | 20 556 29.63 | 0,5 | DC 1000 | 414 | 1.500 | 14 |
| 80 | 20 556 29.80 | 0,5 | DC 1000 | 740 | 2.600 | 17 |
| 100 | 20 556 29.100 | 0,5 | DC 1000 | 1.700 | 6.000 | 19 |
| 125 | 20 556 29.125 | 0,5 | DC 1000 | 3.700 | 13.000 | 21 |
| 160 | 20 556 29.160 | 0,5 | DC 1000 | 5.600 | 19.600 | 27 |
| 200 | 20 556 29.200 | 0,5 | DC 1000 | 9.900 | 30.300 | 32 |

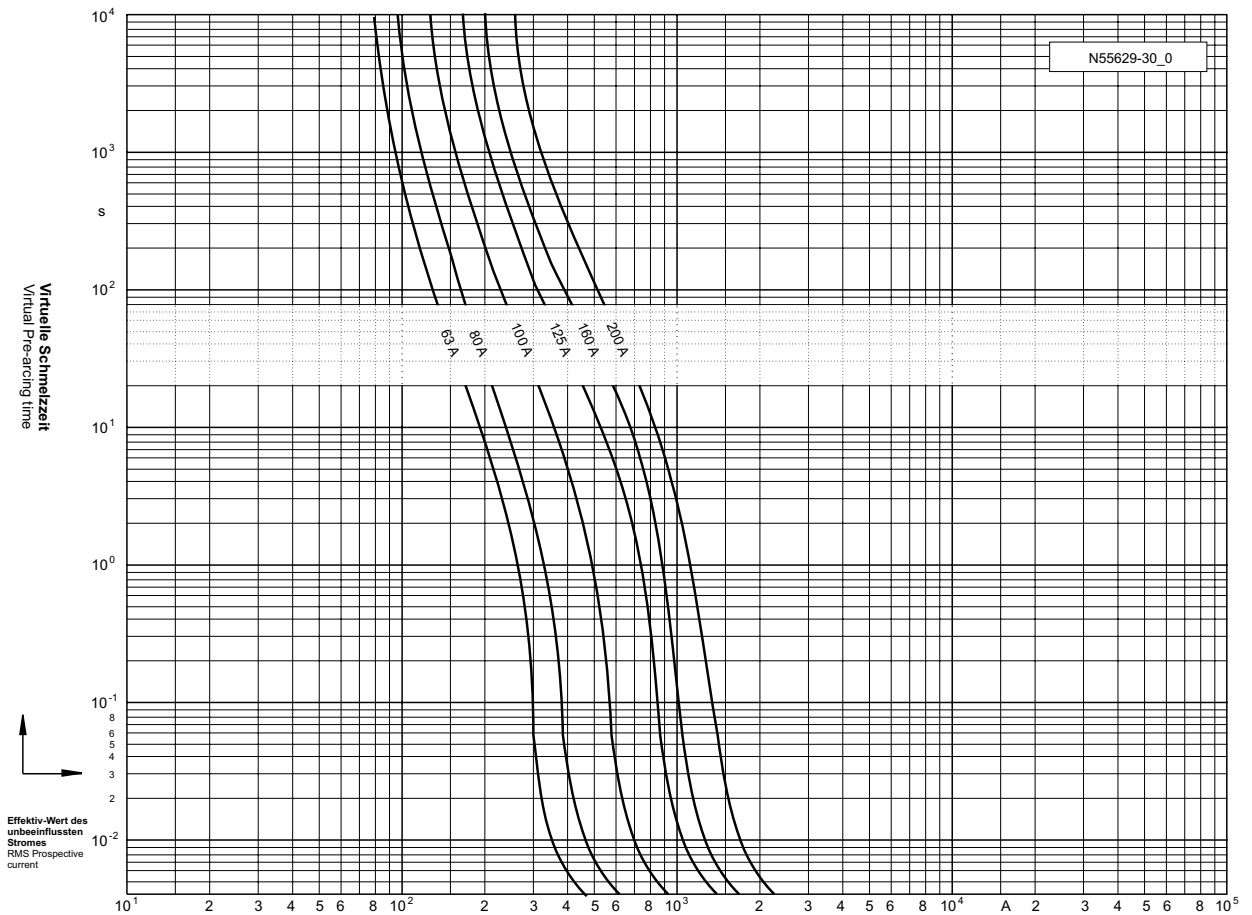
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,8 | 1,25 | 0,5 | 0,8 |

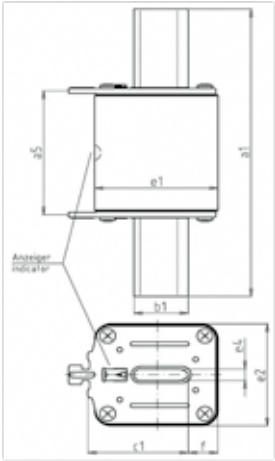
DC 1000 V NH 1

UL Listed
E341342

**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 1000 V NH 2



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|--------------------------------------|---|
| Betriebsklasse / Class gPV | IEC 60 269-6 VDE 0636-6 acc. UL 248-19 |
|--------------------------------------|---|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | | |
|--|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|--|
| | | | | a ₅ | a ₁ | b ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ | |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm | |
| DC 1000 | 20 557 29 | NH2 | 200-250 | 65 | 150 | 26 | 6 | 59 | 53 | 14 | 48 | |

Bemessungsausschaltvermögen / Rated breaking capacity 30 kA DC 1100 V
(L/R=2 ms)

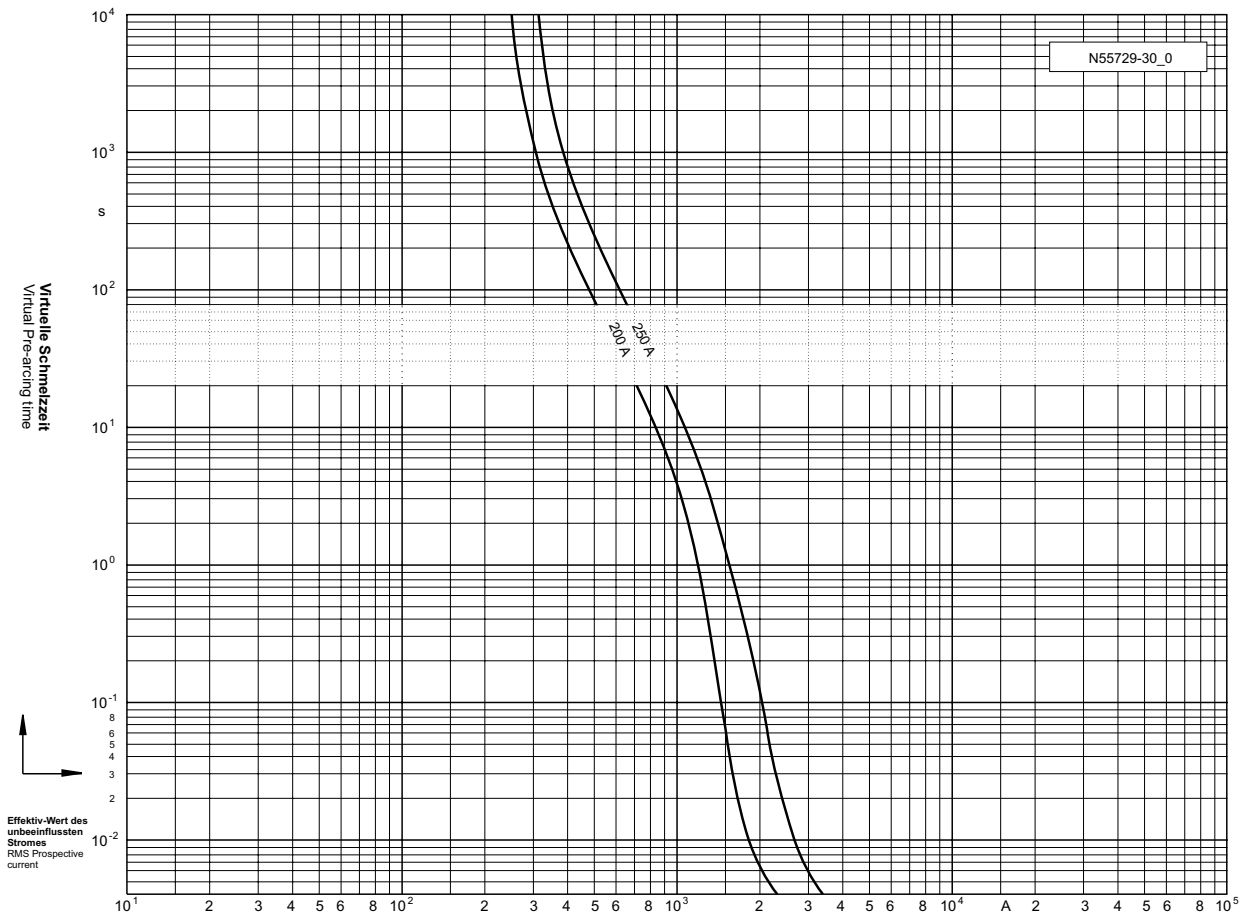
| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Prüf- spannung Tested Voltage (L/R = 2 ms) | Schmelzintegral Pre-Arcing-I ² t-Value | Ausschaltintegral Total I ² t-Value @ AC 1000 V | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|---|--|--|------------------------------------|
| A | | kg / 1 | V | A ² s | A ² s | W |
| 200 | 20 557 29.200 | 0,7 | DC 1000 | 10.400 | 39.000 | 31 |
| 250 | 20 557 29.250 | 0,7 | DC 1000 | 23.700 | 78.000 | 36 |

Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

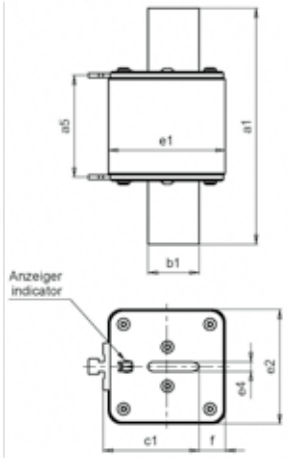
| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,8 | 1,25 | 0,5 | 0,8 |

DC 1000 V NH 1

Zeit/Strom-
Kennlinien
Time-current
characteristics



DC 1000 V NH 3



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|--------------------------------------|---|
| Betriebsklasse / Class gPV | IEC 60 269-6 VDE 0636-6 acc. UL 248-19 |
|--------------------------------------|---|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | |
|--|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----|----------------|
| | | | | a ₅ | a ₁ | b ₁ | e ₄ | e ₁ | e ₂ | f | c ₁ |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 1000 | 20 568 29 | NH3 | 315-400 | 65 | 150 | 32 | 6 | 73 | 73 | 16 | 60 |

Bemessungsausschaltvermögen / Rated breaking capacity 30 kA DC 1100 V
(L/R=2 ms)

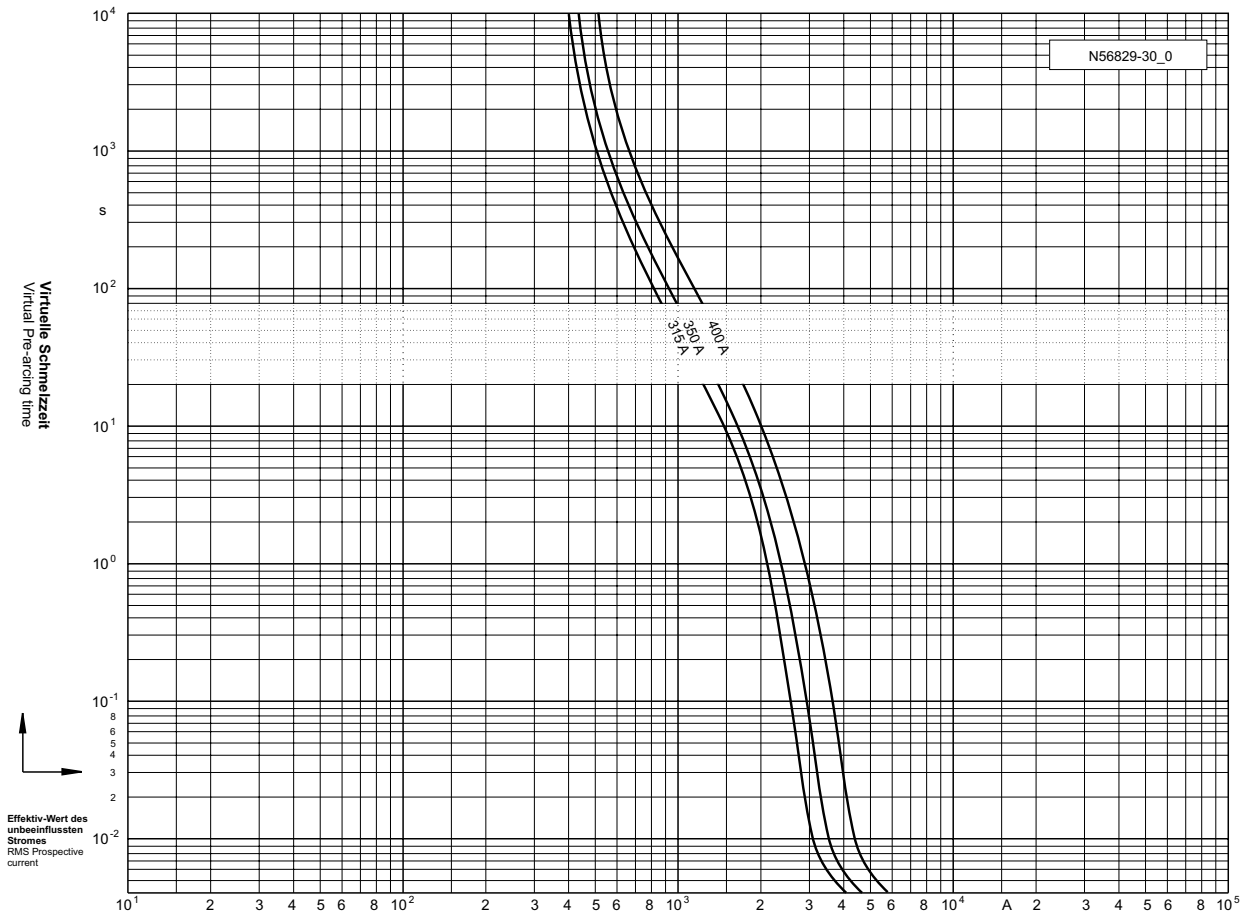
| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Prüf- spannung Tested Voltage (L/R = 2 ms) | Schmelzintegral Pre-Arcing-I ² t-Value | Ausschaltintegral Total I ² t-Value @ AC 1000 V | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|---|--|--|------------------------------------|
| A | | kg / 1 | V | A ² s | A ² s | W |
| 315 | 20 568 29,315 | 1,28 | DC 1000 | 33.000 | 107.000 | 41 |
| 350 | 20 568 29,350 | 1,28 | DC 1000 | 40.000 | 130.000 | 48 |
| 400 | 20 568 29,400 | 1,28 | DC 1000 | 64.000 | 208.000 | 50 |

Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

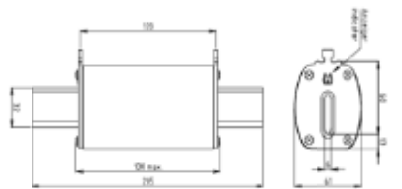
| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,8 | 1,25 | 0,5 | 0,8 |

DC 1000 V NH 1

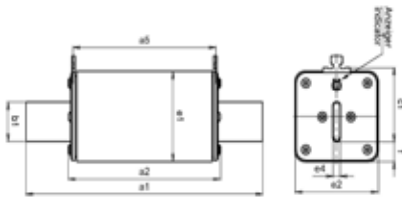
**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 1000 V NH 3L



20 031 20.125-400



20 031 20.630

Verpackungseinheit / Packing unit: 2 Stück / 2 pieces

Betriebsklasse / Class
Überlast- u. Kurzschlusschutz
overload and short circuit protection

IEC 60 269-4
VDE 0636-4

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Länge Length | | | | | | | | |
|--|---------------------------|---------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
| | | | a ₁ | a ₂ | a ₅ | b ₁ | e ₁ | e ₂ | e ₄ | c ₁ | f |
| V | | | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 1000 | 20 031 20.125-400 | NH 3L | 205 | 130 | 120 | 32 | 60 | 73 | 6 | 60 | 13 |
| | 20 031 20.630 | NH 3L | 208 | 134 | 125 | 32 | 73 | 73 | 6 | 60 | 16 |

Bemessungsausschaltvermögen / Rated breaking capacity 30 kA L/R=10ms

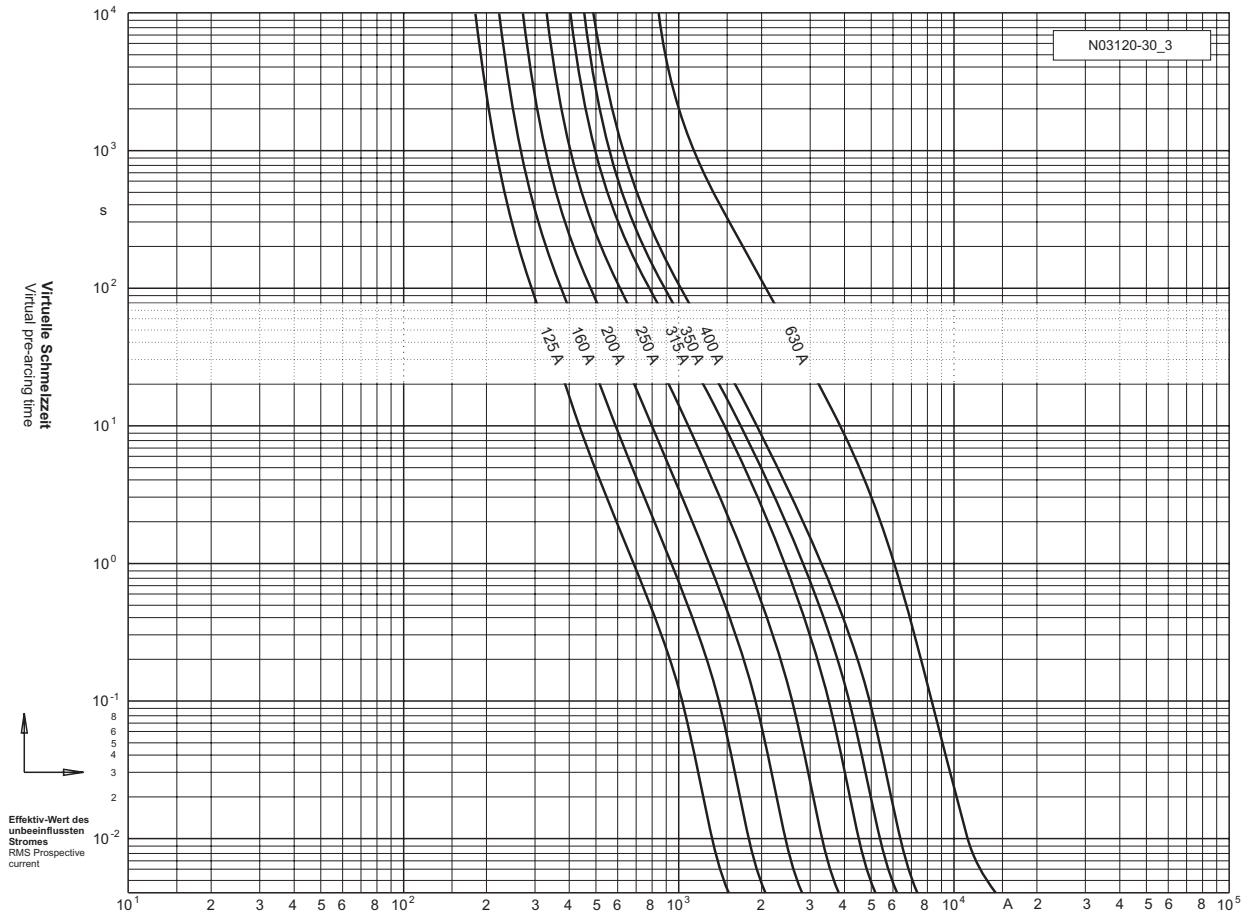
| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse Class | Prüfspannung Test Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value | Leistungs- abgabe Power Loss |
|----------------------------------|--|-------------------|------------------------------|------------------------------|---|--|------------------------------------|
| | mit Kombimelder* with combi indicator | | | L/R=10ms | | @ DC 1000 V | |
| A | | kg / 1 | | V | A ² s | A ² s | W |
| 125 | 20 031 20.125 | 1,45 | gPV/gR | DC 1100 | 3.300 | 24.000 | 27 |
| 160 | 20 031 20.160 | 1,45 | gPV/gR | DC 1100 | 5.800 | 42.500 | 33 |
| 200 | 20 031 20.200 | 1,45 | gPV/gR | DC 1100 | 12.100 | 89.000 | 41 |
| 250 | 20 031 20.250 | 1,45 | gPV/gR | DC 1100 | 21.500 | 157.000 | 50 |
| 315 | 20 031 20.315 | 1,45 | gPV/gR | DC 1100 | 38.200 | 280.000 | 61 |
| 350 | 20 031 20.350 | 1,45 | gPV/gR | DC 1100 | 57.000 | 416.000 | 65 |
| 400 | 20 031 20.400 | 1,45 | gPV/gR | DC 1100 | 80.000 | 585.000 | 70 |
| 630 | 20 031 20.630 | 1,45 | gPV/gR | DC 1100 | 283.000 | 2.100.000 | 98 |

Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

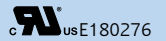
| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

DC 1000 V NH 3L

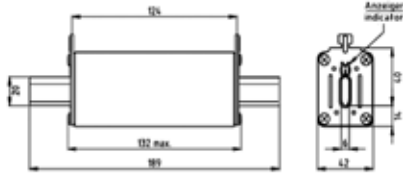
Zeit/Strom-Kennlinien
Time-current characteristics



DC 1100 V NH 1 XL gPV



Verpackungseinheit / Packing unit: 2 Stück / 2 pieces



20 028 20

| | |
|--|---|
| Betriebsklasse / Class gPV / IEC gR / UL | IEC 60 269-6 UL 248-13 |
|--|---|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| DC 1100 | 20 028 20 | NH 1 XL | 50-200 |

Bemessungsausschaltvermögen / Rated breaking capacity 30 kA DC 1000/1100 V
L/R=10ms
10 kA DC 1200 V
L/R=1ms

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse Class | Prüf- spannung Test Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ test voltage | Leistungs- abgabe Power Loss |
|----------------------------------|---|-------------------|------------------------------|-----------------------------------|---|---|------------------------------------|
| A | mit Klappmelder* with flap indicator | kg / 1 | | V | A ² s | A ² s | W |
| 50 | 20 028 20.50 | 0,8 | gPV/gR | DC 1200 | 480 | 2.000 | 12 |
| 63 | 20 028 20.63 | 0,8 | gPV/gR | DC 1200 | 900 | 3.800 | 14 |
| 80 | 20 028 20.80 | 0,8 | gPV/gR | DC 1200 | 1.900 | 8.000 | 16 |
| 100 | 20 028 20.100 | 0,8 | gPV/gR | DC 1200 | 3.600 | 15.000 | 19 |
| 125 | 20 028 20.125 | 0,8 | gPV/gR | DC 1200 | 6.700 | 28.000 | 21 |
| 160 | 20 028 20.160 | 0,8 | gPV/gR | DC 1200 | 11.200 | 47.000 | 30 |
| 200 | 20 028 20.200 | 0,8 | gPV/gR | DC 1200 | 20.000 | 83.500 | 34 |
| 250 | 20 028 20.250** | 0,8 | gPV/gR | DC 1100 | 30.200 | 115.000 | 47 |

** kein UL

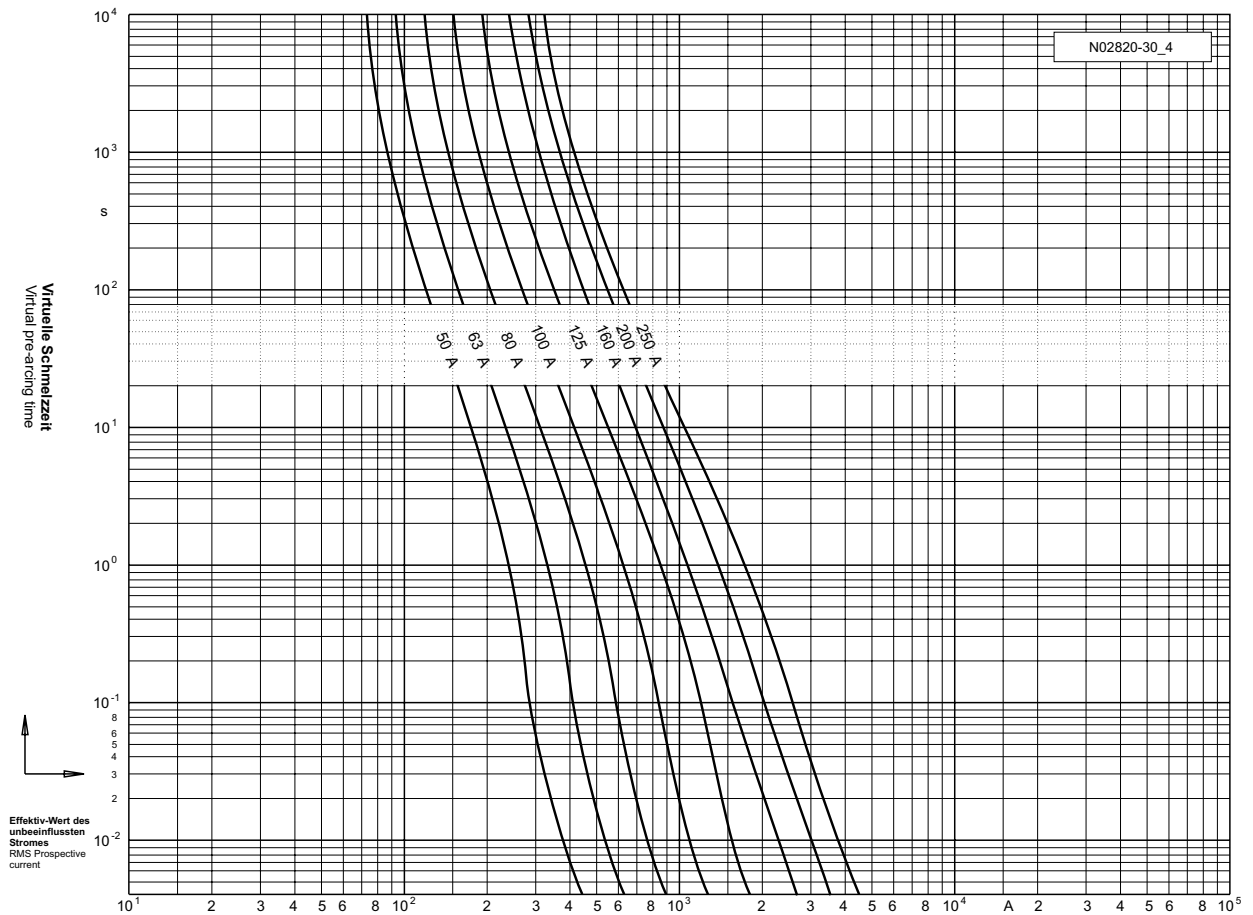
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

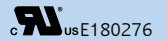
DC 1100 V NH 1 XL gPV

usE180276

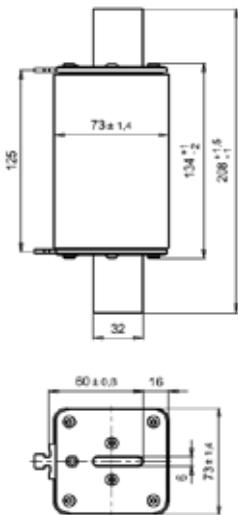
Zeit/Strom-Kennlinien
Time-current characteristics



DC 1100 V NH 3L / SQB-DC123



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



| | |
|---|---------------------------|
| Betriebsklasse / Class gRL(gs) gR | IEC 60 269-4 UL 248-13 |
|---|---------------------------|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| DC 1100 DC 1200 V | 20 243 33 | NH3L | 200-500 |


Bemessungsausschaltvermögen / Rated breaking capacity 100 kA DC 1200 V
L/R ≈ 7ms

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage IEC 60 269-4 | Bemessungs- spannung Rated Voltage UL 248-13 | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value @ DC 1200 V L/R ≈ 7 ms | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--|--|------------------------------------|
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 200 | 20 243 33.200 | 1,4 | DC 1100 | DC 1200 | 25.000 | 105.000 | 32 |
| 225 | 20 243 33.225 | 1,4 | DC 1100 | DC 1200 | 30.000 | 126.000 | 36 |
| 250 | 20 243 33.250 | 1,4 | DC 1100 | DC 1200 | 45.000 | 190.000 | 38 |
| 315 | 20 243 33.315 | 1,4 | DC 1100 | DC 1200 | 70.000 | 300.000 | 48 |
| 350 | 20 243 33.350 | 1,4 | DC 1100 | DC 1200 | 95.000 | 400.000 | 53 |
| 400 | 20 243 33.400 | 1,4 | DC 1100 | DC 1200 | 135.000 | 570.000 | 55 |
| 450 | 20 243 33.450 | 1,4 | DC 1100 | DC 1200 | 190.000 | 800.000 | 60 |
| 500 | 20 243 33.500 | 1,4 | DC 1100 | DC 1200 | 230.000 | 960.000 | 75 |

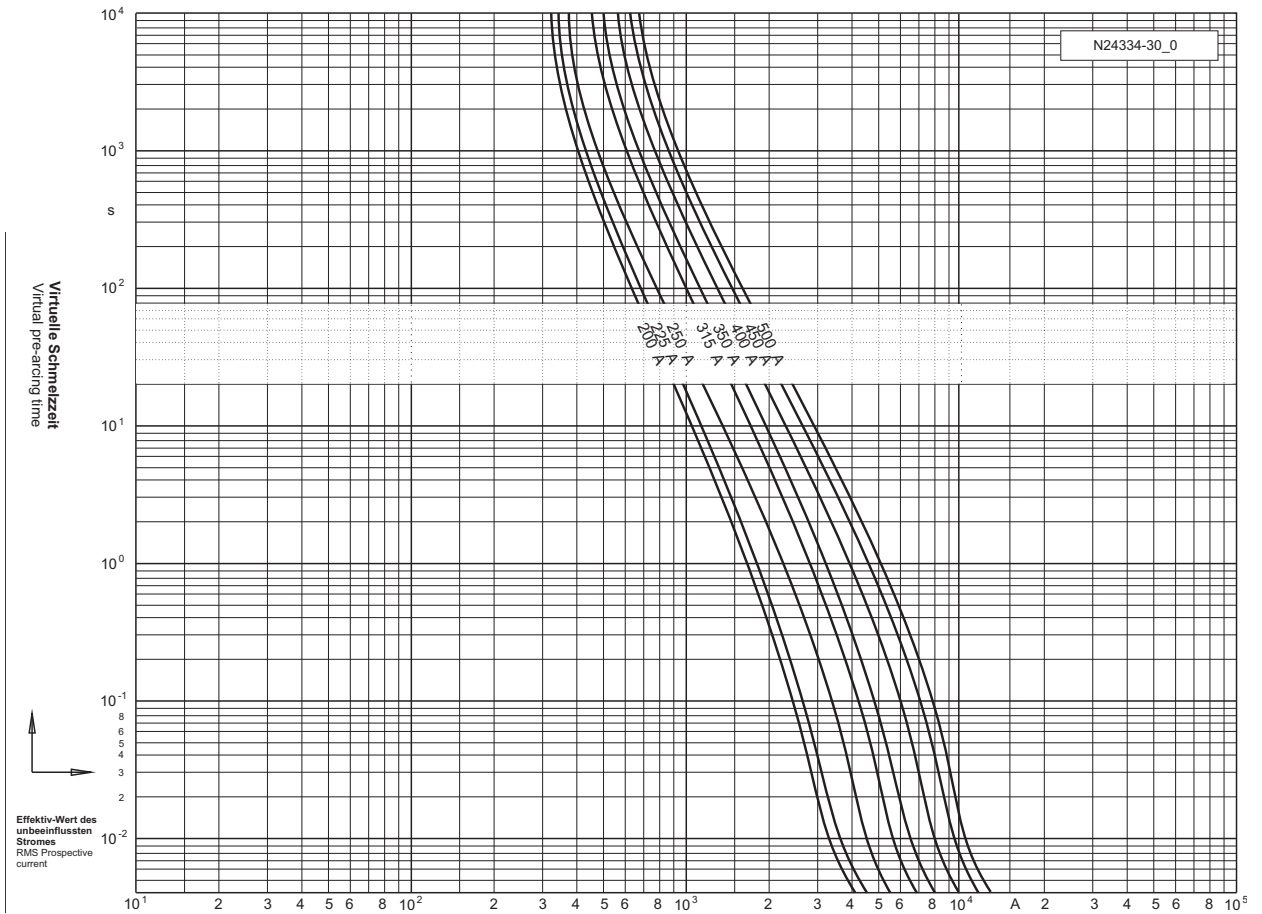
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

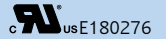
DC 1100 V NH 3L / SQB-DC123

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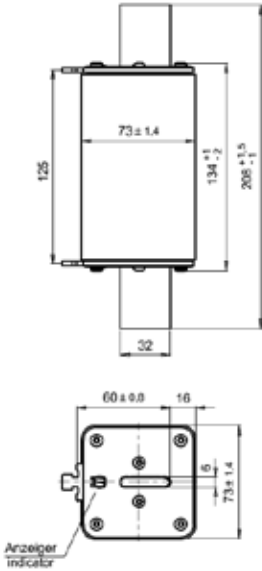
Zeit/Strom-Kennlinien
Time-current characteristics



DC 1100 V NH 3L / SQB-DC123



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



| | |
|---|---------------------------|
| Betriebsklasse / Class gRL(gs) gR | IEC 60 269-4 UL 248-13 |
|---|---------------------------|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| DC 1100 DC 1200 V | 20 243 34 | NH3L | 200-500 |


Bemessungsausschaltvermögen / Rated breaking capacity 100 kA DC 1200 V
L/R ≈ 7ms

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage IEC 60 269-4 | Bemessungs- spannung Rated Voltage UL 248-13 | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value @ DC 1200 V L/R ≈ 7 ms | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--|--|------------------------------------|
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 200 | 20 243 34.200 | 1,4 | DC 1100 | DC 1200 | 25.000 | 105.000 | 32 |
| 225 | 20 243 34.225 | 1,4 | DC 1100 | DC 1200 | 30.000 | 126.000 | 36 |
| 250 | 20 243 34.250 | 1,4 | DC 1100 | DC 1200 | 45.000 | 190.000 | 38 |
| 315 | 20 243 34.315 | 1,4 | DC 1100 | DC 1200 | 70.000 | 300.000 | 48 |
| 350 | 20 243 34.350 | 1,4 | DC 1100 | DC 1200 | 95.000 | 400.000 | 53 |
| 400 | 20 243 34.400 | 1,4 | DC 1100 | DC 1200 | 135.000 | 570.000 | 55 |
| 450 | 20 243 34.450 | 1,4 | DC 1100 | DC 1200 | 190.000 | 800.000 | 60 |
| 500 | 20 243 34.500 | 1,4 | DC 1100 | DC 1200 | 230.000 | 960.000 | 75 |

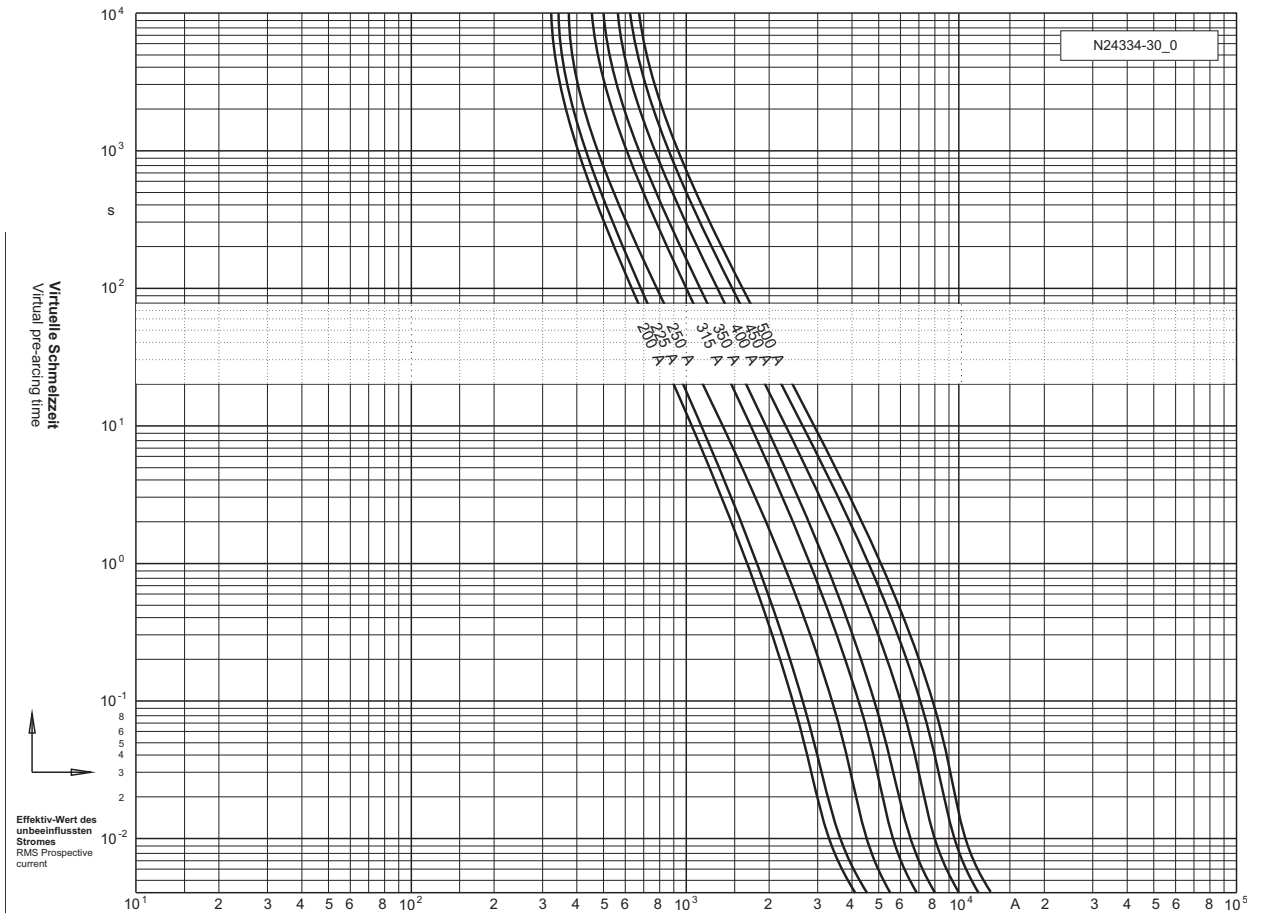
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

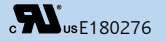
DC 1100 V NH 3L / SQB-DC123

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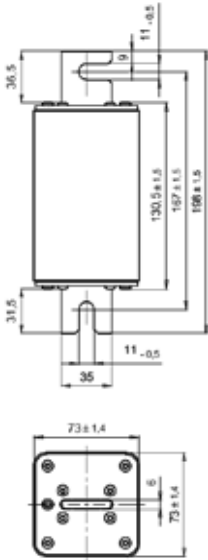
**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 1100 V NH 3L / SQB-DC123



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



| | |
|---|---------------------------|
| Betriebsklasse / Class gRL(gs) gR | IEC 60 269-4 UL 248-13 |
|---|---------------------------|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| DC 1100 DC 1200 V | 20 245 33 | NH3L | 200-500 |


Bemessungsausschaltvermögen / Rated breaking capacity 100 kA DC 1200 V
L/R ≈ 7ms

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage IEC 60 269-4 | Bemessungs- spannung Rated Voltage UL 248-13 | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value @ DC 1200 V L/R ≈ 7 ms | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--|--|------------------------------------|
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 200 | 20 245 33.200 | 1,4 | DC 1100 | DC 1200 | 25.000 | 105.000 | 32 |
| 225 | 20 245 33.225 | 1,4 | DC 1100 | DC 1200 | 30.000 | 126.000 | 36 |
| 250 | 20 245 33.250 | 1,4 | DC 1100 | DC 1200 | 45.000 | 190.000 | 38 |
| 315 | 20 245 33.315 | 1,4 | DC 1100 | DC 1200 | 70.000 | 300.000 | 48 |
| 350 | 20 245 33.350 | 1,4 | DC 1100 | DC 1200 | 95.000 | 400.000 | 53 |
| 400 | 20 245 33.400 | 1,4 | DC 1100 | DC 1200 | 135.000 | 570.000 | 55 |
| 450 | 20 245 33.450 | 1,4 | DC 1100 | DC 1200 | 190.000 | 800.000 | 60 |
| 500 | 20 245 33.500 | 1,4 | DC 1100 | DC 1200 | 230.000 | 960.000 | 75 |

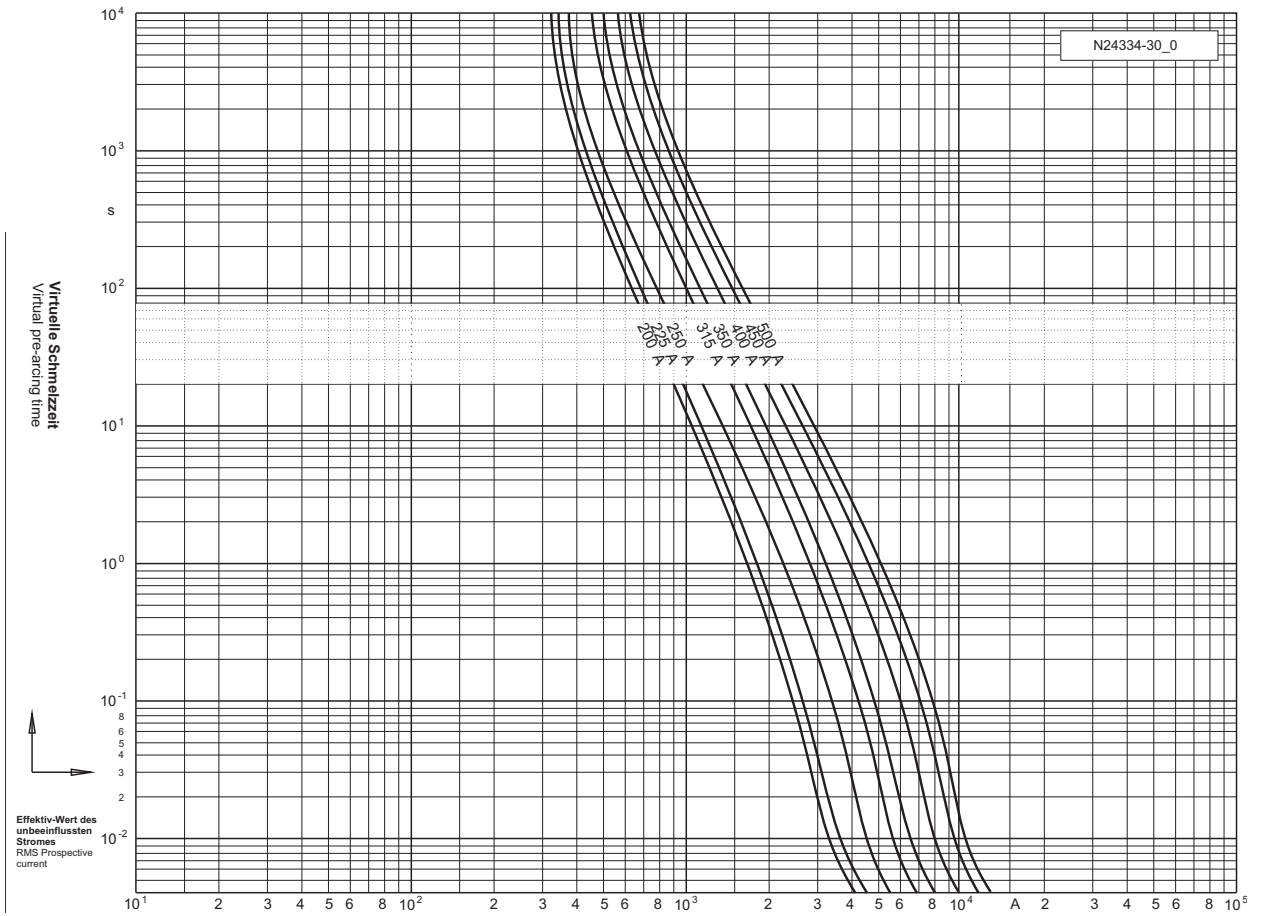
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

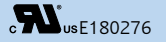
DC 1100 V NH 3L / SQB-DC123

 **usE180276**

Zeit/Strom-Kennlinien
Time-current characteristics



DC 1100 V NH 3L / SQB-DC123

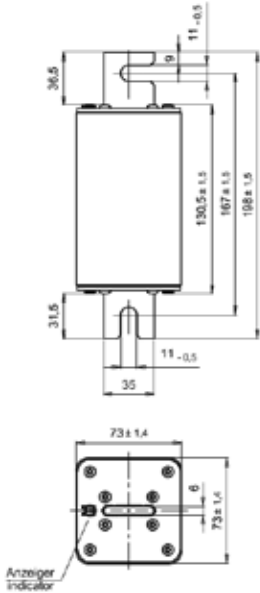


Verpackungseinheit / Packing unit: 3 Stück / 3 pieces

| | |
|---|-----------------------------------|
| Betriebsklasse / Class gRL(gs) gR | IEC 60 269-4 UL 248-13 |
|---|-----------------------------------|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| DC 1100 DC 1200 V | 20 245 34 | NH3L | 200-500 |

Bemessungsausschaltvermögen / Rated breaking capacity 100 kA DC 1200 V
L/R ≈ 7ms




| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage IEC 60 269-4 | Bemessungs- spannung Rated Voltage UL 248-13 | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value @ DC 1200 V L/R ≈ 7 ms | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--|--|------------------------------------|
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 200 | 20 245 34.200 | 1,4 | DC 1100 | DC 1200 | 25.000 | 105.000 | 32 |
| 225 | 20 245 34.225 | 1,4 | DC 1100 | DC 1200 | 30.000 | 126.000 | 36 |
| 250 | 20 245 34.250 | 1,4 | DC 1100 | DC 1200 | 45.000 | 190.000 | 38 |
| 315 | 20 245 34.315 | 1,4 | DC 1100 | DC 1200 | 70.000 | 300.000 | 48 |
| 350 | 20 245 34.350 | 1,4 | DC 1100 | DC 1200 | 95.000 | 400.000 | 53 |
| 400 | 20 245 34.400 | 1,4 | DC 1100 | DC 1200 | 135.000 | 570.000 | 55 |
| 450 | 20 245 34.450 | 1,4 | DC 1100 | DC 1200 | 190.000 | 800.000 | 60 |
| 500 | 20 245 34.500 | 1,4 | DC 1100 | DC 1200 | 230.000 | 960.000 | 75 |

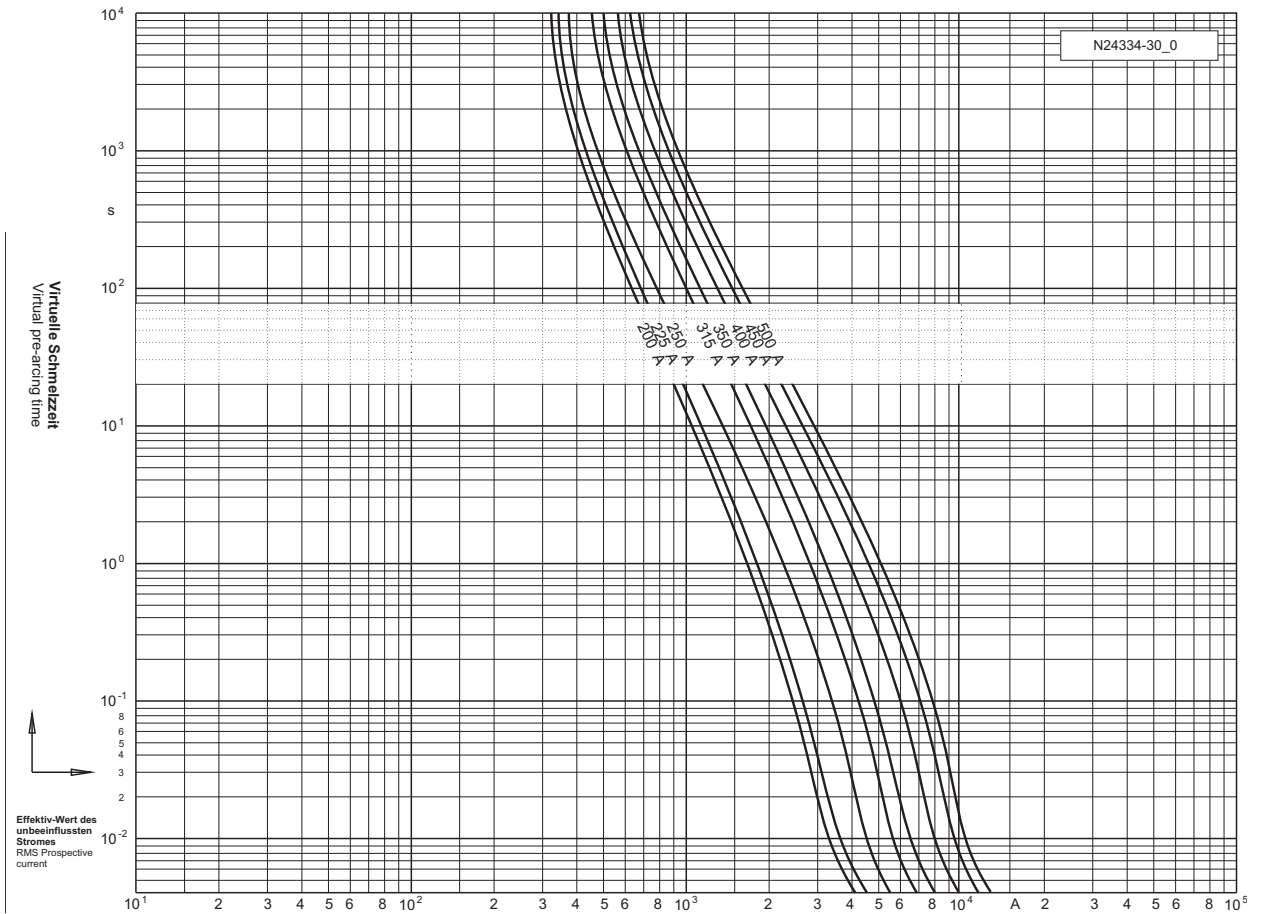
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

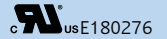
DC 1100 V NH 3L / SQB-DC123

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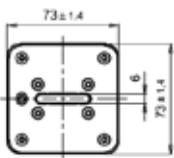
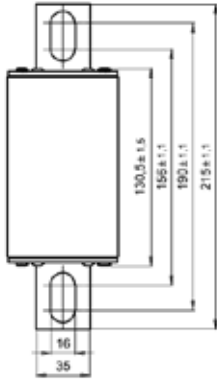
Zeit/Strom-Kennlinien
Time-current characteristics



DC 1100 V NH 3L / SQB-DC123



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



| | |
|---|---------------------------|
| Betriebsklasse / Class gRL(gs) gR | IEC 60 269-4 UL 248-13 |
|---|---------------------------|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| DC 1100 DC 1200 V | 20 247 33 | NH3L | 200-500 |


Bemessungsausschaltvermögen / Rated breaking capacity 100 kA DC 1200 V
L/R ≈ 7ms

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage IEC 60 269-4 | Bemessungs- spannung Rated Voltage UL 248-13 | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value @ DC 1200 V L/R ≈ 7 ms | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--|--|------------------------------------|
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 200 | 20 247 33.200 | 1,4 | DC 1100 | DC 1200 | 25.000 | 105.000 | 32 |
| 225 | 20 247 33.225 | 1,4 | DC 1100 | DC 1200 | 30.000 | 126.000 | 36 |
| 250 | 20 247 33.250 | 1,4 | DC 1100 | DC 1200 | 45.000 | 190.000 | 38 |
| 315 | 20 247 33.315 | 1,4 | DC 1100 | DC 1200 | 70.000 | 300.000 | 48 |
| 350 | 20 247 33.350 | 1,4 | DC 1100 | DC 1200 | 95.000 | 400.000 | 53 |
| 400 | 20 247 33.400 | 1,4 | DC 1100 | DC 1200 | 135.000 | 570.000 | 55 |
| 450 | 20 247 33.450 | 1,4 | DC 1100 | DC 1200 | 190.000 | 800.000 | 60 |
| 500 | 20 247 33.500 | 1,4 | DC 1100 | DC 1200 | 230.000 | 960.000 | 75 |

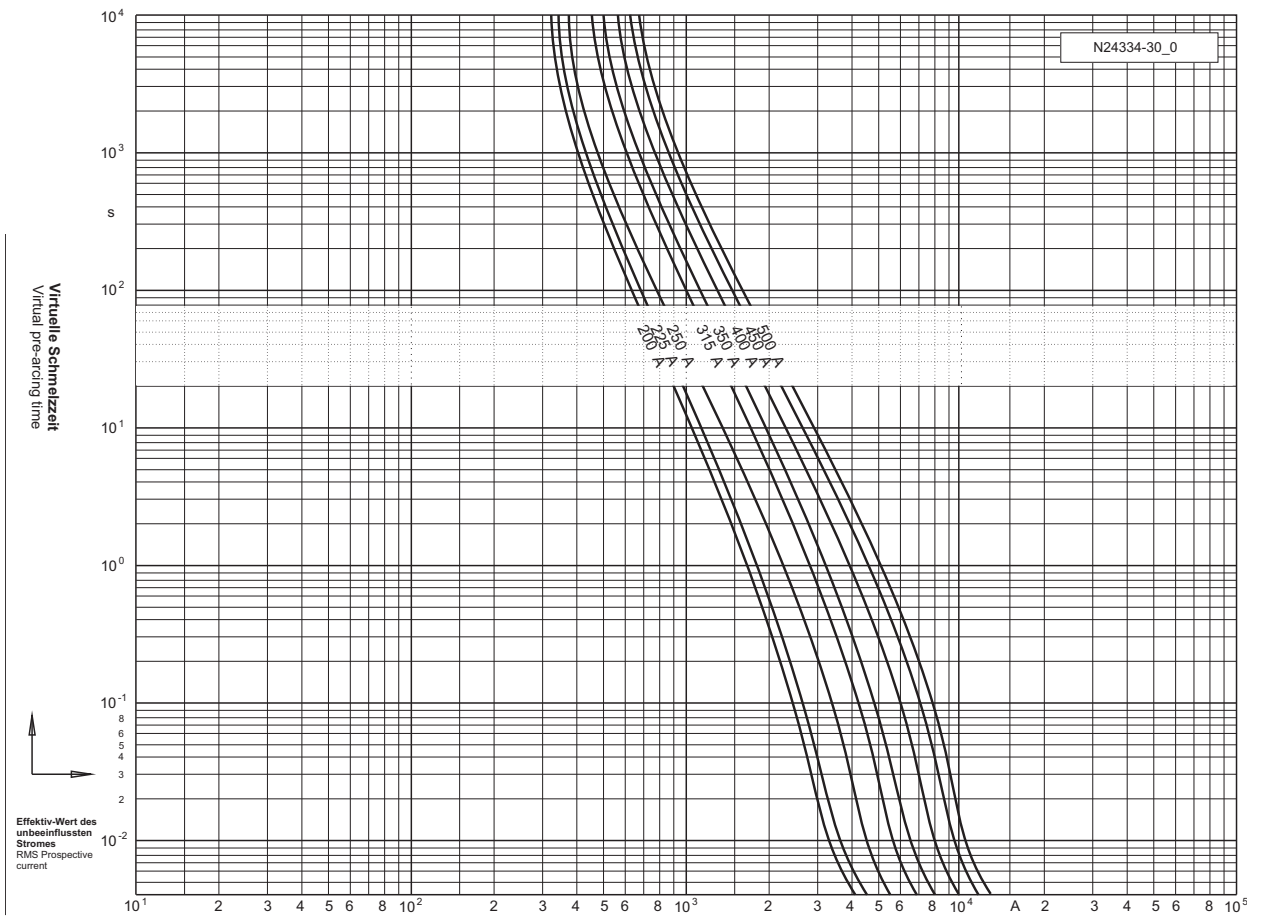
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

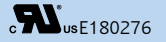
DC 1100 V NH 3L / SQB-DC123

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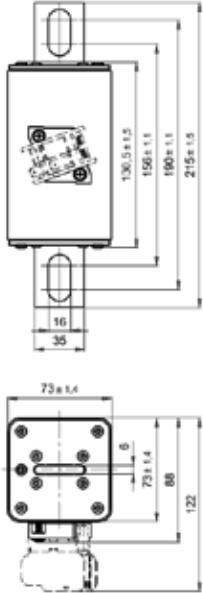
**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 1100 V NH 3L / SQB-DC123



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



| | |
|---|-----------------------------------|
| Betriebsklasse / Class gRL(gs) gR | IEC 60 269-4 UL 248-13 |
|---|-----------------------------------|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| DC 1100 DC 1200 V | 20 247 35 | NH3L | 200-500 |


**Bemessungsausschaltvermögen / Rated breaking capacity 100 kA DC 1200 V
L/R ≈ 7ms**

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage IEC 60 269-4 | Bemessungs- spannung Rated Voltage UL 248-13 | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value @ DC 1200 V L/R ≈ 7 ms | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--|--|------------------------------------|
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 200 | 20 247 35.200 | 1,4 | DC 1100 | DC 1200 | 25.000 | 105.000 | 32 |
| 225 | 20 247 35.225 | 1,4 | DC 1100 | DC 1200 | 30.000 | 126.000 | 36 |
| 250 | 20 247 35.250 | 1,4 | DC 1100 | DC 1200 | 45.000 | 190.000 | 38 |
| 315 | 20 247 35.315 | 1,4 | DC 1100 | DC 1200 | 70.000 | 300.000 | 48 |
| 350 | 20 247 35.350 | 1,4 | DC 1100 | DC 1200 | 95.000 | 400.000 | 53 |
| 400 | 20 247 35.400 | 1,4 | DC 1100 | DC 1200 | 135.000 | 570.000 | 55 |
| 450 | 20 247 35.450 | 1,4 | DC 1100 | DC 1200 | 190.000 | 800.000 | 60 |
| 500 | 20 247 35.500 | 1,4 | DC 1100 | DC 1200 | 230.000 | 960.000 | 75 |

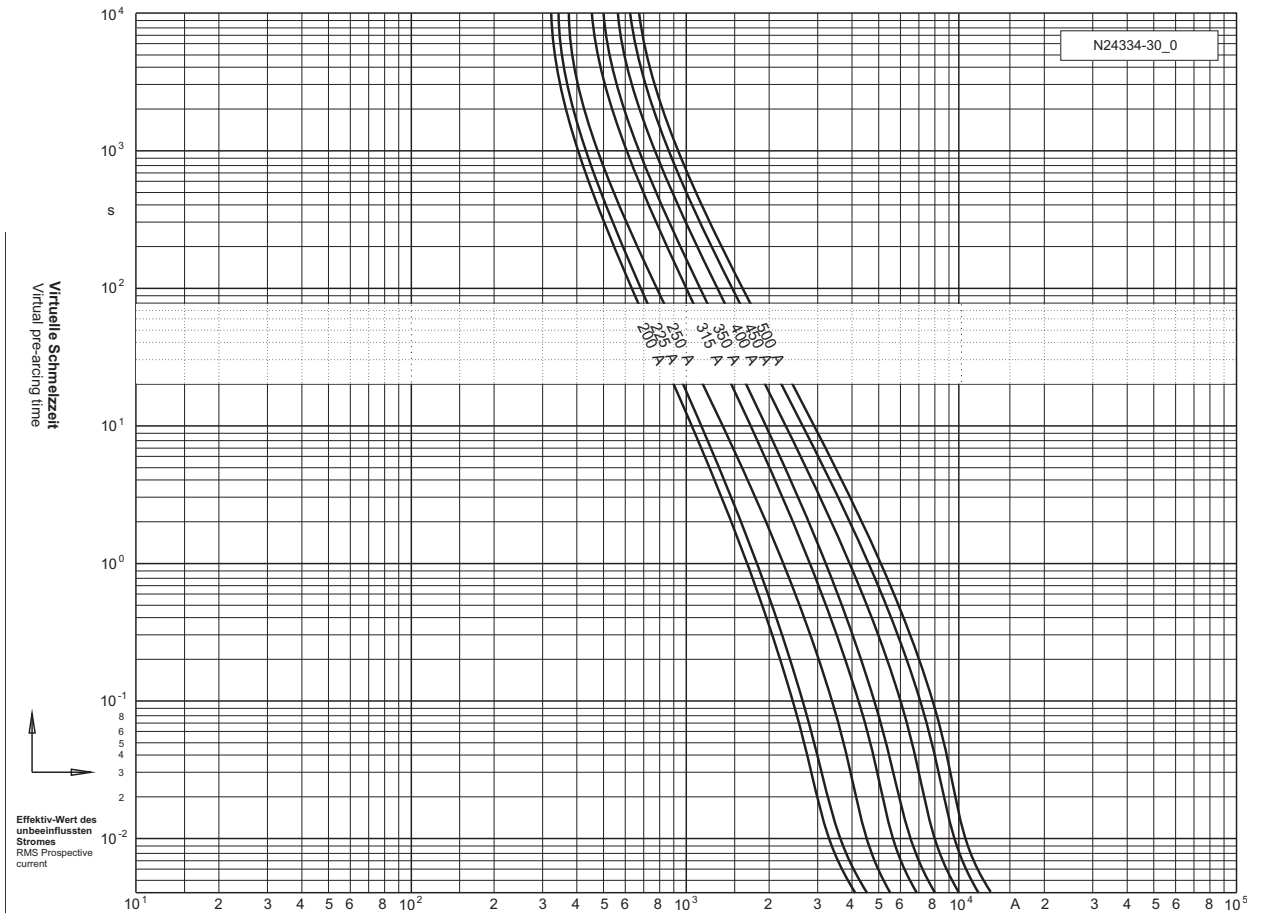
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

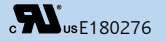
DC 1100 V NH 3L / SQB-DC123

 **usE180276**

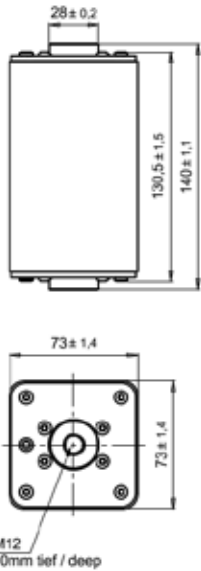
**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 1100 V NH 3L / SQB-DC123



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



| | |
|---|---------------------------|
| Betriebsklasse / Class gRL(gs) gR | IEC 60 269-4 UL 248-13 |
|---|---------------------------|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| DC 1100 DC 1200 V | 20 248 33 | NH3L | 200-500 |


Bemessungsausschaltvermögen / Rated breaking capacity 100 kA DC 1200 V
L/R ≈ 7ms

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage IEC 60 269-4 | Bemessungs- spannung Rated Voltage UL 248-13 | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value @ DC 1200 V L/R ≈ 7 ms | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--|--|------------------------------------|
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 200 | 20 248 33.200 | 1,4 | DC 1100 | DC 1200 | 25.000 | 105.000 | 32 |
| 225 | 20 248 33.225 | 1,4 | DC 1100 | DC 1200 | 30.000 | 126.000 | 36 |
| 250 | 20 248 33.250 | 1,4 | DC 1100 | DC 1200 | 45.000 | 190.000 | 38 |
| 315 | 20 248 33.315 | 1,4 | DC 1100 | DC 1200 | 70.000 | 300.000 | 48 |
| 350 | 20 248 33.350 | 1,4 | DC 1100 | DC 1200 | 95.000 | 400.000 | 53 |
| 400 | 20 248 33.400 | 1,4 | DC 1100 | DC 1200 | 135.000 | 570.000 | 55 |
| 450 | 20 248 33.450 | 1,4 | DC 1100 | DC 1200 | 190.000 | 800.000 | 60 |
| 500 | 20 248 33.500 | 1,4 | DC 1100 | DC 1200 | 230.000 | 960.000 | 75 |

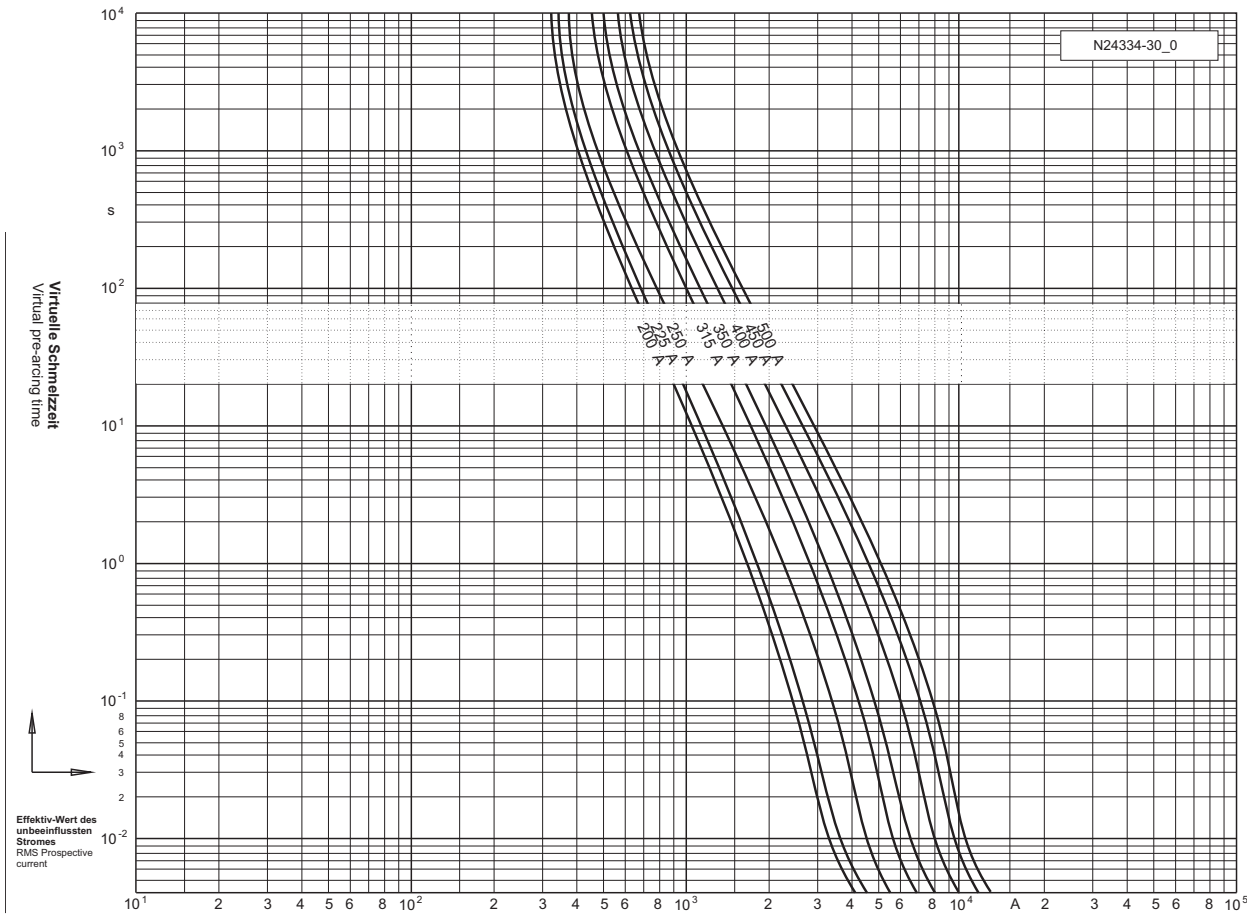
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

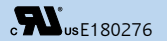
DC 1100 V NH 3L / SQB-DC123

 **usE180276**

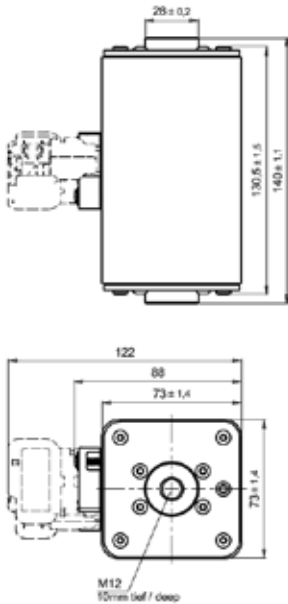
Zeit/Strom-Kennlinien
Time-current characteristics



DC 1100 V NH 3L / SQB-DC123



Verpackungseinheit / Packing unit: 3 Stück / 3 pieces



| | |
|---|-----------------------------------|
| Betriebsklasse / Class gRL(gs) gR | IEC 60 269-4 UL 248-13 |
|---|-----------------------------------|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| DC 1100 DC 1200 V | 20 248 35 | NH3L | 200-500 |


**Bemessungsausschaltvermögen / Rated breaking capacity 100 kA DC 1200 V
L/R ≈ 7ms**

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage IEC 60 269-4 | Bemessungs- spannung Rated Voltage UL 248-13 | Schmelzintegral Pre-Arcing-I ² t- Value | Ausschaltintegral Total I ² t-Value @ DC 1200 V L/R ≈ 7 ms | Leistungs- abgabe Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--|--|------------------------------------|
| A | | kg / 1 | V | V | A ² s | A ² s | W |
| 200 | 20 248 35.200 | 1,4 | DC 1100 | DC 1200 | 25.000 | 105.000 | 32 |
| 225 | 20 248 35.225 | 1,4 | DC 1100 | DC 1200 | 30.000 | 126.000 | 36 |
| 250 | 20 248 35.250 | 1,4 | DC 1100 | DC 1200 | 45.000 | 190.000 | 38 |
| 315 | 20 248 35.315 | 1,4 | DC 1100 | DC 1200 | 70.000 | 300.000 | 48 |
| 350 | 20 248 35.350 | 1,4 | DC 1100 | DC 1200 | 95.000 | 400.000 | 53 |
| 400 | 20 248 35.400 | 1,4 | DC 1100 | DC 1200 | 135.000 | 570.000 | 55 |
| 450 | 20 248 35.450 | 1,4 | DC 1100 | DC 1200 | 190.000 | 800.000 | 60 |
| 500 | 20 248 35.500 | 1,4 | DC 1100 | DC 1200 | 230.000 | 960.000 | 75 |

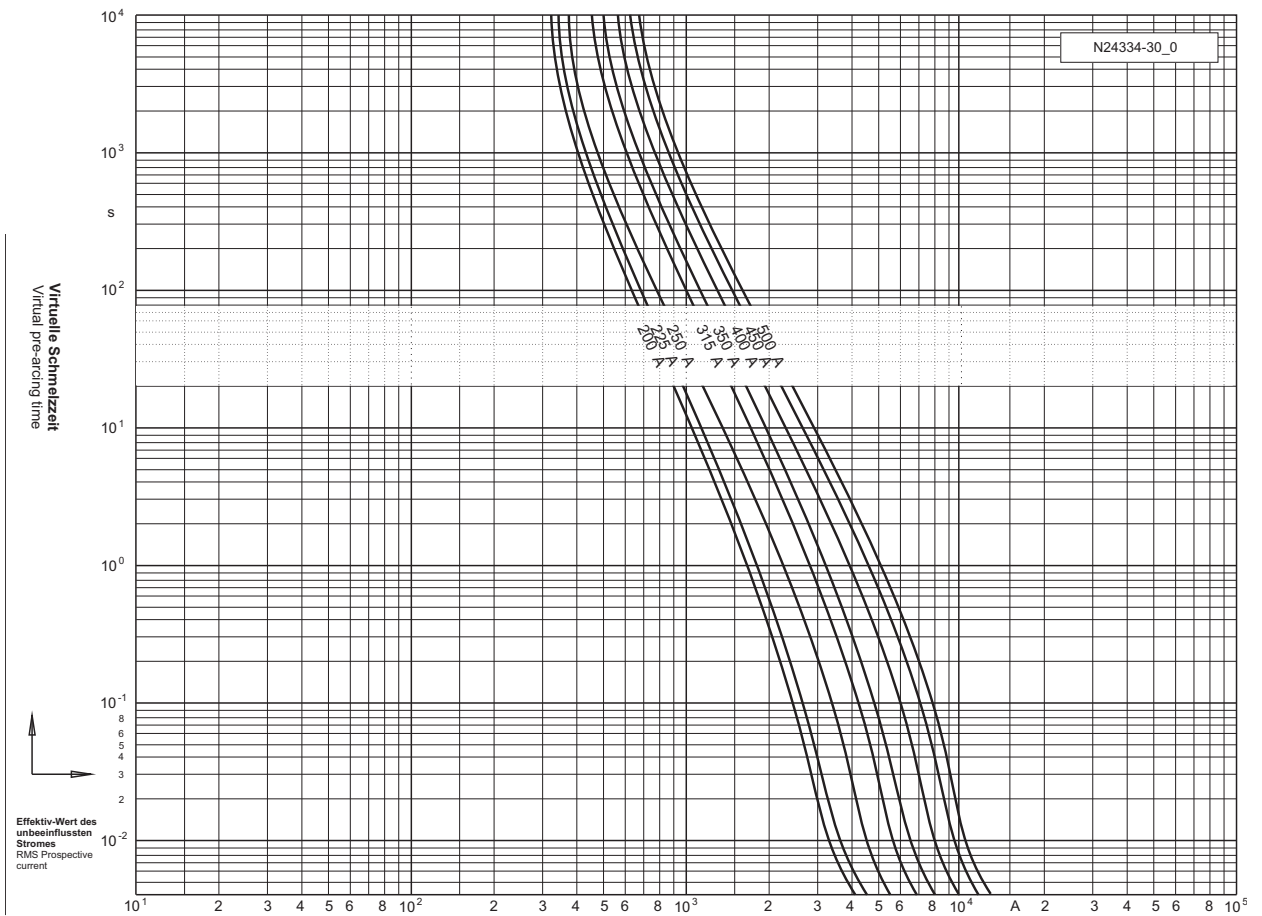
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

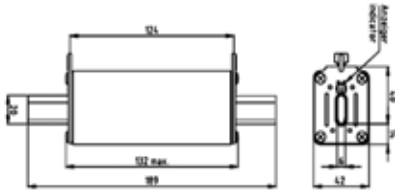
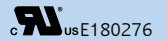
DC 1100 V NH 3L / SQB-DC123

 **usE180276**

Zeit/Strom-Kennlinien
Time-current characteristics



DC 1100 V NH 1 XL



20 028 34

Verpackungseinheit / Packing unit: 2 Stück / 2 pieces

| | |
|--|---------------------------|
| Betriebsklasse / Class gRL / IEC gR / UL | IEC 60 269-6 UL 248-13 |
|--|---------------------------|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| DC 1100 | 20 028 34 | NH 1 XL | 50-200 |


Bemessungsausschaltvermögen / Rated breaking capacity 50 kA DC 1200
L/R=10ms

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Betriebs- klasse Class | Prüf- spannung Test Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ DC 1200 V | Leistungs- abgabe Power Loss |
|----------------------------------|---|-------------------|------------------------------|-----------------------------------|---|--|------------------------------------|
| A | mit Klappmelder* with flab indicator | kg / 1 | | V | A ² s | A ² s | W |
| 50 | 20 028 34.50 | 0,77 | gRL/gR | DC 1200 | 360 | 1.900 | 14 |
| 63 | 20 028 34.63 | 0,77 | gRL/gR | DC 1200 | 900 | 4.700 | 15 |
| 80 | 20 028 34.80 | 0,77 | gRL/gR | DC 1200 | 1.700 | 8.900 | 18 |
| 100 | 20 028 34.100 | 0,77 | gRL/gR | DC 1200 | 3.600 | 19.000 | 19 |
| 125 | 20 028 34.125 | 0,77 | gRL/gR | DC 1200 | 6.700 | 35.000 | 21 |
| 160 | 20 028 34.160 | 0,77 | gRL/gR | DC 1200 | 11.200 | 59.000 | 30 |
| 200 | 20 028 34 .200 | 0,77 | gRL/gR | DC 1200 | 19.200 | 126.000 | 38 |

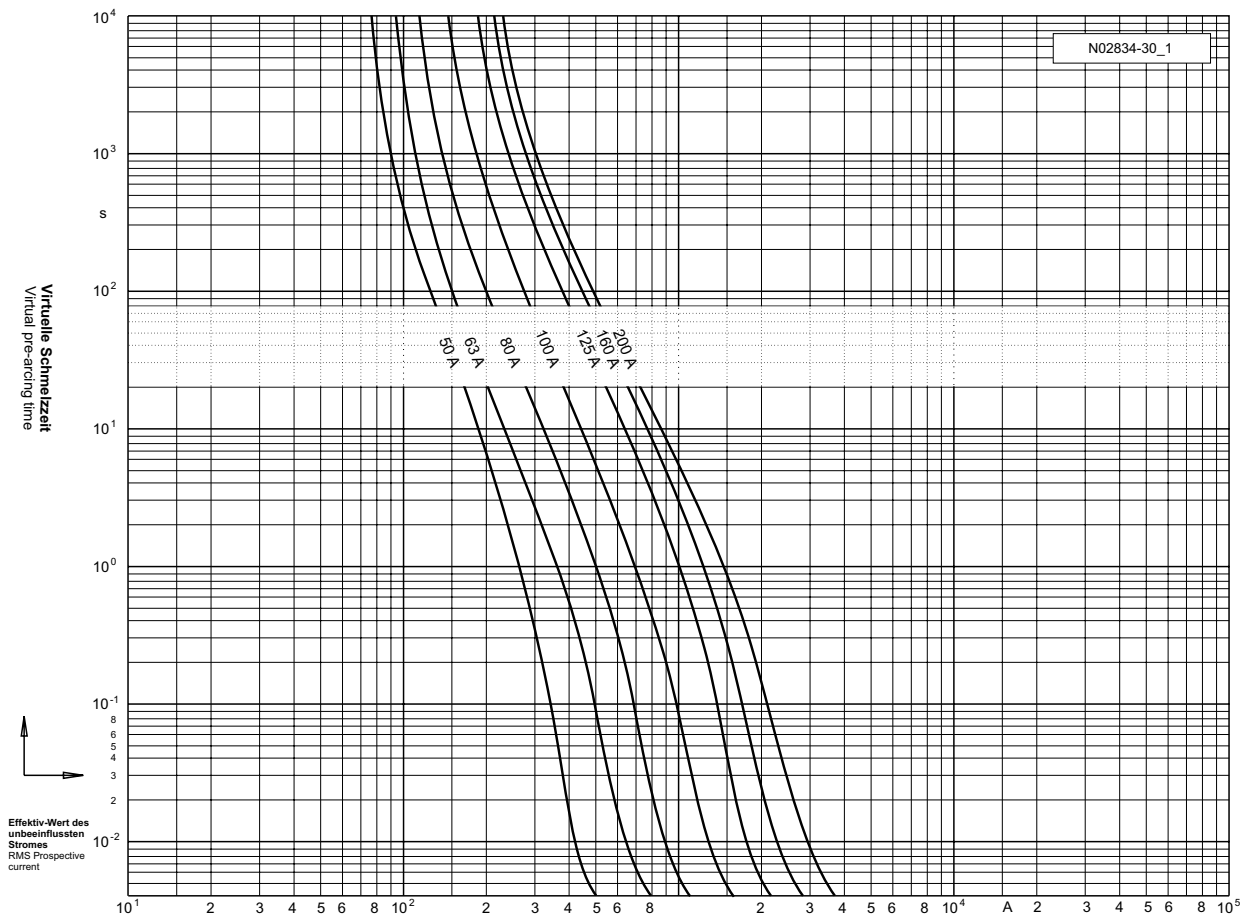
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,9 | 1,25 | 0,5 | 0,8 |

DC 1100 V NH 1 XL

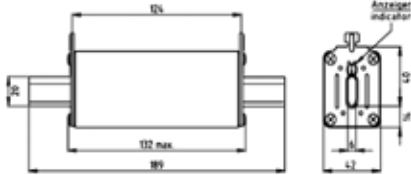
 usE180276

Zeit/Strom-Kennlinien
Time-current characteristics



DC 1100 V NH 1XL

Verpackungseinheit / Packing unit: 2 Stück / 2 pieces



20 028 28

| | |
|--------------------------------------|---|
| Betriebsklasse / Class gPV | IEC 60 269-6 VDE 0636-6 acc. UL 248-19 |
|--------------------------------------|---|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom Rated current |
|--|---------------------------|---------------|---------------------------------------|
| V | | | A |
| DC 1100 | 20 028 28 20 028 29 | NH 1XL | 50-200 |

Bemessungsausschaltvermögen / Rated breaking capacity 30 kA L/R = 1-3 mS

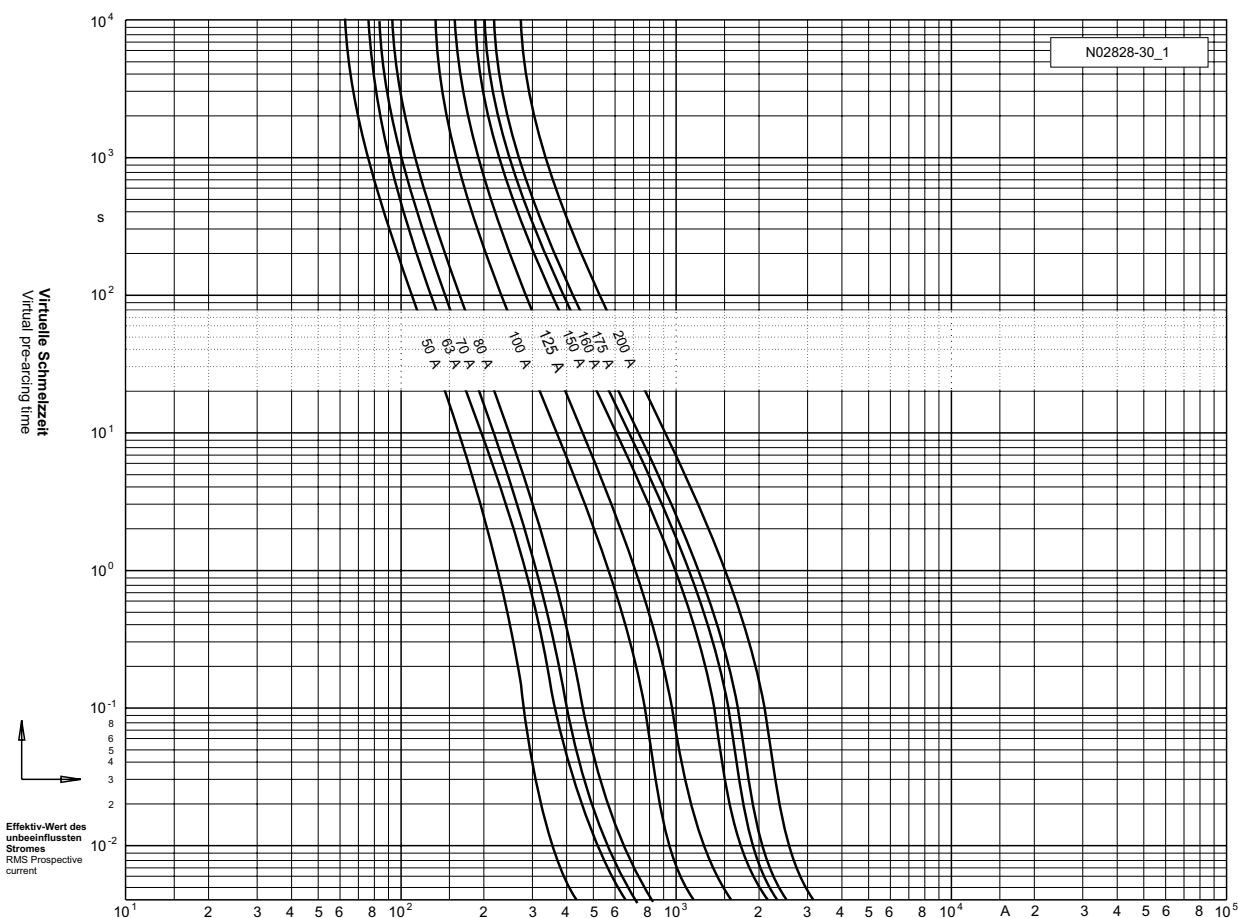
| Bemessungsstrom Rated Current | Artikel Nr. Article No. | | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ DC 1100 V | Leistungs- abgabe Power Loss |
|----------------------------------|---------------------------------------|------------------------------------|-------------------|------------------------------|--|---|--|---------------------------------------|
| | ohne Klappmelder without indicator | mit Klappmelder* with indicator | | | | | | |
| A | | | kg / 1 | | V | A ² s | A ² s | W |
| 50 | 20 028 28.50 | 20 028 29.50 | 0,78 | gPV | DC 1100 | 270 | 900 | 17 |
| 63 | 20 028 28.63 | 20 028 29.63 | 0,78 | gPV | DC 1100 | 600 | 2.000 | 20 |
| 80 | 20 028 28.80 | 20 028 29.80 | 0,78 | gPV | DC 1100 | 1.100 | 4.000 | 23 |
| 100 | 20 028 28.100 | 20 028 29.100 | 0,78 | gPV | DC 1100 | 1.900 | 6.500 | 27 |
| 125 | 20 028 28.125 | 20 028 29.125 | 0,78 | gPV | DC 1100 | 3.600 | 12.000 | 32 |
| 150 | 20 028 28.150 | 20 028 29.150 | 0,78 | gPV | DC 1100 | 6.700 | 22.000 | 34 |
| 160 | 20 028 28.160 | 20 028 29.160 | 0,78 | gPV | DC 1100 | 7.600 | 25.000 | 36 |
| 175 | 20 028 28.175 | 20 028 29.175 | 0,78 | gPV | DC 1100 | 9.600 | 31.000 | 37 |
| 200 | 20 028 28.200 | 20 028 29.200 | 0,78 | gPV | DC 1100 | 14.300 | 47.000 | 43 |

Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,8 | 1,25 | 0,5 | 0,8 |

DC 1100 V NH 1XL

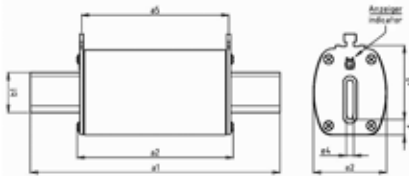
**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 1100 V NH 3L



Verpackungseinheit / Packing unit: 2 Stück / 2 pieces



20 031 28

| | |
|--------------------------------------|--|
| Betriebsklasse / Class gPV | EN IEC 60 269-6 UL 2579 |
|--------------------------------------|--|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Größe Size | Bemessungs- strom rated current | Länge Length | | | | | | | | |
|--|---------------------------|---------------|---------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|--|
| | | | | a ₁ | a ₂ | a ₅ | B ₁ | e ₂ | e ₄ | c ₁ | f | |
| V | | | A | mm | mm | mm | mm | mm | mm | mm | mm | |
| DC 1100 | 20 031 28 | 3L | 200-400 | 205 | 130 | 120 | 32 | 61 | 6 | 60 | 13 | |

Bemessungsausschaltvermögen / Rated breaking capacity 30 kA L/R=1-3ms

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | | Gewicht Weight | Betriebs- klasse Class | Bemessungs- spannung Rated Voltage | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ DC 1100 V | Leistungs- abgabe Power Loss |
|----------------------------------|---------------------------------------|------------------------------------|-------------------|------------------------------|--|---|--|---------------------------------------|
| | ohne Klappmelder without indicator | mit Klappmelder* with indicator | | | | | | |
| A | | | kg / 1 | | V | A ² s | A ² s | W |
| 200 | 20 031 28.200 | 20 031 29.200 | 1,45 | gPV | DC 1100 | 13.000 | 63.000 | 42 |
| 250 | 20 031 28.250 | 20 031 29.250 | 1,45 | gPV | DC 1100 | 26.500 | 130.000 | 48 |
| 315 | 20 031 28.315 | 20 031 29.315 | 1,45 | gPV | DC 1100 | 38.000 | 185.000 | 65 |
| 350 | 20 031 28.350 | 20 031 29.350 | 1,45 | gPV | Dc 1100 | 57.000 | 280.000 | 64 |
| 400 | 20 031 28.400 | 20 031 29.400 | 1,45 | gPV | DC 1100 | 80.000 | 390.000 | 71 |

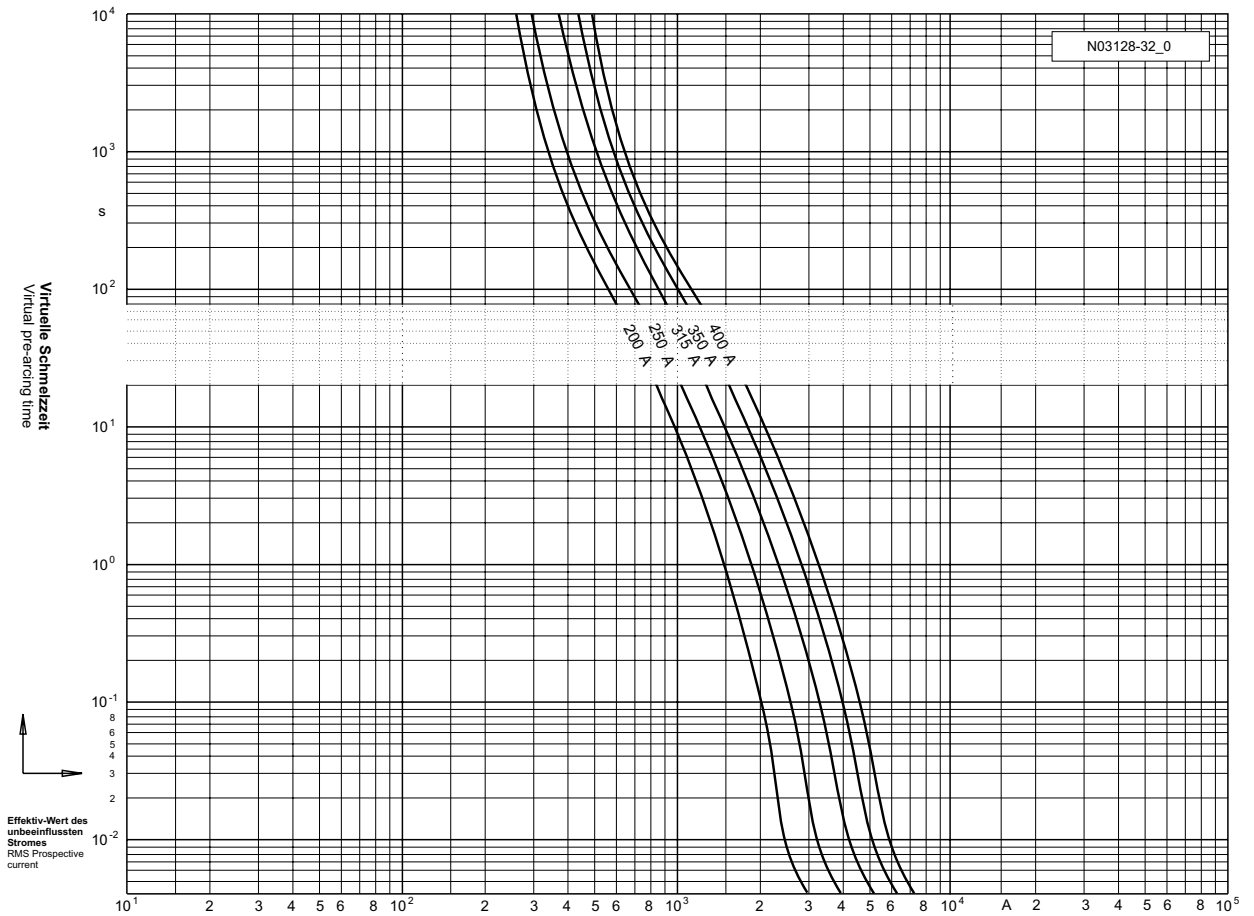
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,8 | 1,25 | 0,5 | 0,8 |

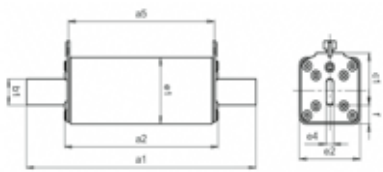
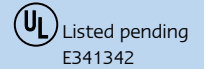
DC 1100 V NH 3L

UL Listed
E341342

**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 1500 V SQB 1



20 041 28



20 041 29

Verpackungseinheit / Packing unit: 2 Stück / 2 pieces

| | |
|--------------------------------------|---------------------------------|
| Betriebsklasse / Class gPV | IEC 60 269-6 UL 2579 |
|--------------------------------------|---------------------------------|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Länge Length | | | | | | | | |
|--|---------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|
| | | a ₁ | a ₂ | a ₅ | b ₁ | e ₁ | e ₂ | e ₄ | c ₁ | f |
| V | | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 1500 | 20 041 28 | 193 | 129 | 124 | 20 | 51 | 51 | 6 | 40 | 14,5 |
| | 20 041 29 | | | | | | | | | |

Bemessungsausschaltvermögen / Rated breaking capacity **530 kA DC 1500 V**
L/R=1-3ms

| Be-messungs- strom Rated Current | Artikel Nr. Article No. | | Ge- wicht Weight | UL 2579 | IEC 60269-6 | Bemessungs- ausschalt- vermögen Rated breaking capacity @ DC 1500 V | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ DC 1500 V | Leistungs- abgabe Power Loss |
|--|---|---|------------------------|------------|----------------|---|---|--|------------------------------------|
| | ohne Klappmelder without indicator | mit Klappmelder with indicator | | | | | | | |
| A | | | kg / 1 | | | kA | A ² s | A ² s | W |
| 50 | 20 041 28.50 | 20 041 29.50 | 1 | ✓ | ✓ | 30 | 361 | 1.800 | 18 |
| 63 | 20 041 28.63 | 20 041 29.63 | 1 | ✓ | ✓ | 30 | 480 | 2.400 | 22 |
| 80 | 20 041 28.800 | 20 041 29.80 | 1 | ✓ | ✓ | 30 | 1.060 | 5.300 | 24 |
| 100 | 20 041 28.100 | 20 041 29.100 | 1 | ✓ | ✓ | 30 | 1.650 | 8.300 | 25 |
| 125 | 20 041 28.125 | 20 041 29.125 | 1 | ✓ | ✓ | 30 | 2.950 | 15.000 | 27 |
| 160 | 20 041 28.160 | 20 041 29.160 | 1 | ✓ | ✓ | 30 | 5.600 | 28.000 | 37 |
| 200 | 20 041 28.200 | 20 041 29.200 | 1 | ✓ | ✓ | 30 | 14.300 | 71.000 | 44 |

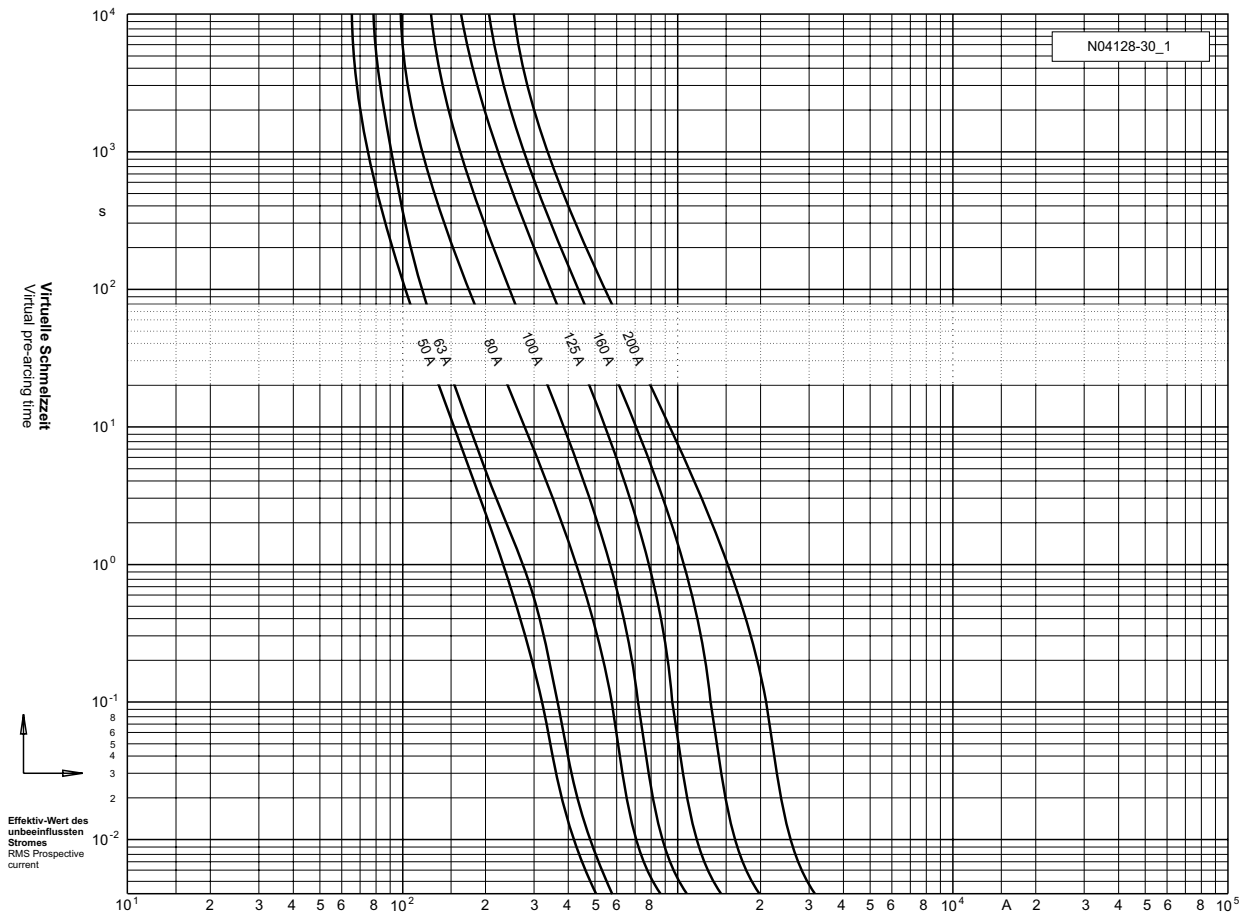
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,8 | 1,25 | 0,5 | 0,8 |


DC 1500 V SQB 1

UL Listed pending
E341342

**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 1500 V NH 2XL

 Listed pending
E341342



Verpackungseinheit / Packing unit: 2 Stück / 2 pieces

| | |
|--------------------------------------|--|
| Betriebsklasse / Class gPV | VDE 0636-6 IEC 60 269-6 UL 248-19 pending |
|--------------------------------------|--|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Länge Length | | | | | | | | |
|--|---------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|
| | | a ₁ | a ₂ | a ₅ | b ₁ | e ₁ | e ₂ | e ₄ | c ₁ | f |
| V | | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 1500 | 20 042 29 | 206 | 129 | 124 | 26 | 60 | 60 | 6 | 48 | 14,5 |

Bemessungsausschaltvermögen / Rated breaking capacity 50 kA DC 1500 V
L/R=1-3ms

| Bemessungsstrom Rated Current | Artikel Nr. Article No. | Gewicht Weight | Bemessungs- spannung Rated Voltage | UL 248-19 | IEC 60269-6 | Bemessungs- ausschalt- vermögen Rated breaking capacity @ DC 1500 V | Schmelz- integral Pre-Arcing- I ² t-Value | Ausschalt- integral Total I ² t-Value @ DC 1500 V | Leistungs- abgabe Power Loss |
|----------------------------------|-----------------------------------|-------------------|--|--------------|----------------|--|---|--|---------------------------------------|
| A | mit Klappmelder with indicator | kg / l | V | | | kA | A ² s | A ² s | W |
| 160 | 20 042 29.160 | 1,5 | DC 1500 | pending | ✓ | 50 | 11.200 | 46.000 | 29 |
| 200 | 20 042 29.200 | 1,5 | DC 1500 | pending | ✓ | 50 | 19.200 | 79.000 | 36 |
| 250 | 20 042 29.250 | 1,5 | DC 1500 | pending | ✓ | 50 | 31.400 | 129.000 | 45 |
| 315 | 20 042 29.315 | 1,5 | Dc 1500 | pending | ✓ | 50 | 55.800 | 230.000 | 54 |

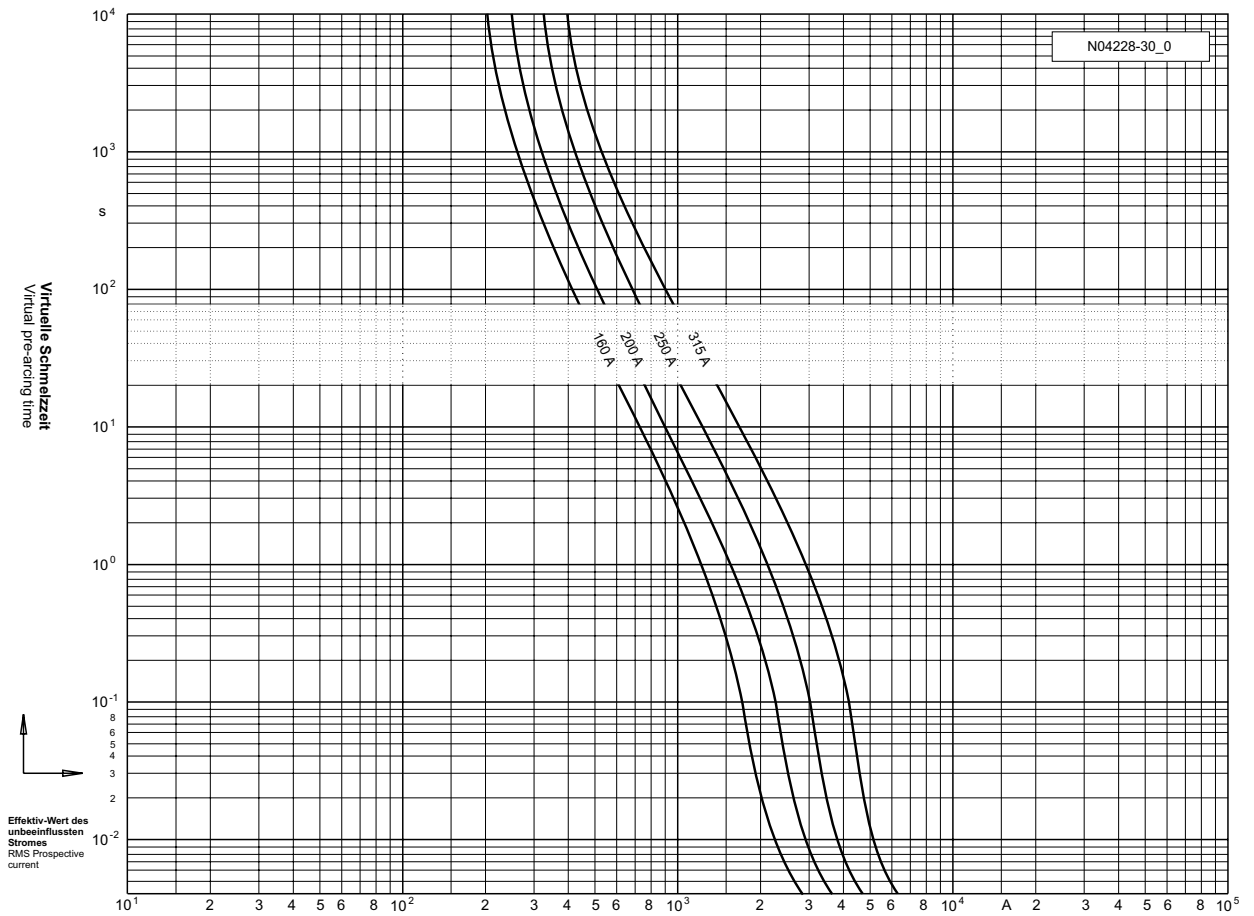
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,8 | 1,25 | 0,5 | 0,8 |

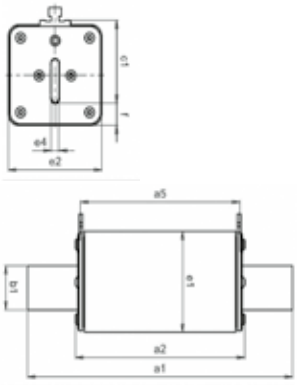
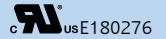
DC 1500 V NH2XL

UL Listed pending
E341342

**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 1500 V NH 3L



90 443 25

Verpackungseinheit / Packing unit: 1 Stück / 1 pieces

| | |
|-------------------------------------|------------------|
| Betriebsklasse / Class aR | UL 248-13 |
|-------------------------------------|------------------|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Länge Length | | | | | | | | |
|--|---------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
| | | a ₁ | a ₂ | a ₅ | b ₁ | e ₁ | e ₂ | e ₄ | c ₁ | f |
| V | | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 1500 | 90 443 25 | 208 | 134 | 125 | 32 | 73 | 73 | 6 | 60 | 16 |
| | 90 443 26 | | | | | | | | | |

Bemessungsausschaltvermögen / Rated breaking capacity 100 kA DC 1500 V L/R=5ms

| Bemessungs- strom Rated Current | Artikel Nr. Article No. | | Gewicht Weight | Bemessungsaus- schaltvermögen Rated breaking capacity | Schmelz- integral Pre-Arcing I ² t-Value | Ausschalt- integral Total I ² t-Value | Leistungs- abgabe Power Loss |
|---------------------------------------|---------------------------------------|------------------------------------|-------------------|--|--|--|------------------------------------|
| | ohne Klappmelder without indicator | mit Klappmelder* with indicator | | | | | |
| | A | | kg / 1 | @ DC 1500 V kA | A ² s | @ DC 1500 V L/R=5ms A ² s | W |
| 200 | 90 443 25.200 | 90 443 26.200 | 2,0 | 100 | 11.200 | 58.000 | 54 |
| 250 | 90 443 25.250 | 90 443 26.250 | 2,0 | 100 | 19.200 | 99.000 | 62 |
| 315 | 90 443 25.315 | 90 443 26.315 | 2,0 | 100 | 32.000 | 165.000 | 71 |
| 350 | 90 443 25.350 | 90 443 26.350 | 2,0 | 100 | 57.000 | 294.000 | 75 |
| 400 | 90 443 25.400 | 90 443 26.400 | 2,0 | 100 | 77.000 | 397.000 | 81 |
| 450 | 90 443 25.450 | 90 443 26.450 | 2,0 | 100 | 106.000 | 545.000 | 87 |
| 500 | 90 443 25.500 | 90 443 26.500 | 2,0 | 100 | 153.000 | 790.000 | 96 |
| 550 | 90 443 25.550 | 90 443 26.550 | 2,0 | 100 | 189.000 | 975.000 | 105 |
| 630 | 90 443 25.630 | 90 443 26.630 | 2,0 | 100 | 272.000 | 1.400.000 | 120 |

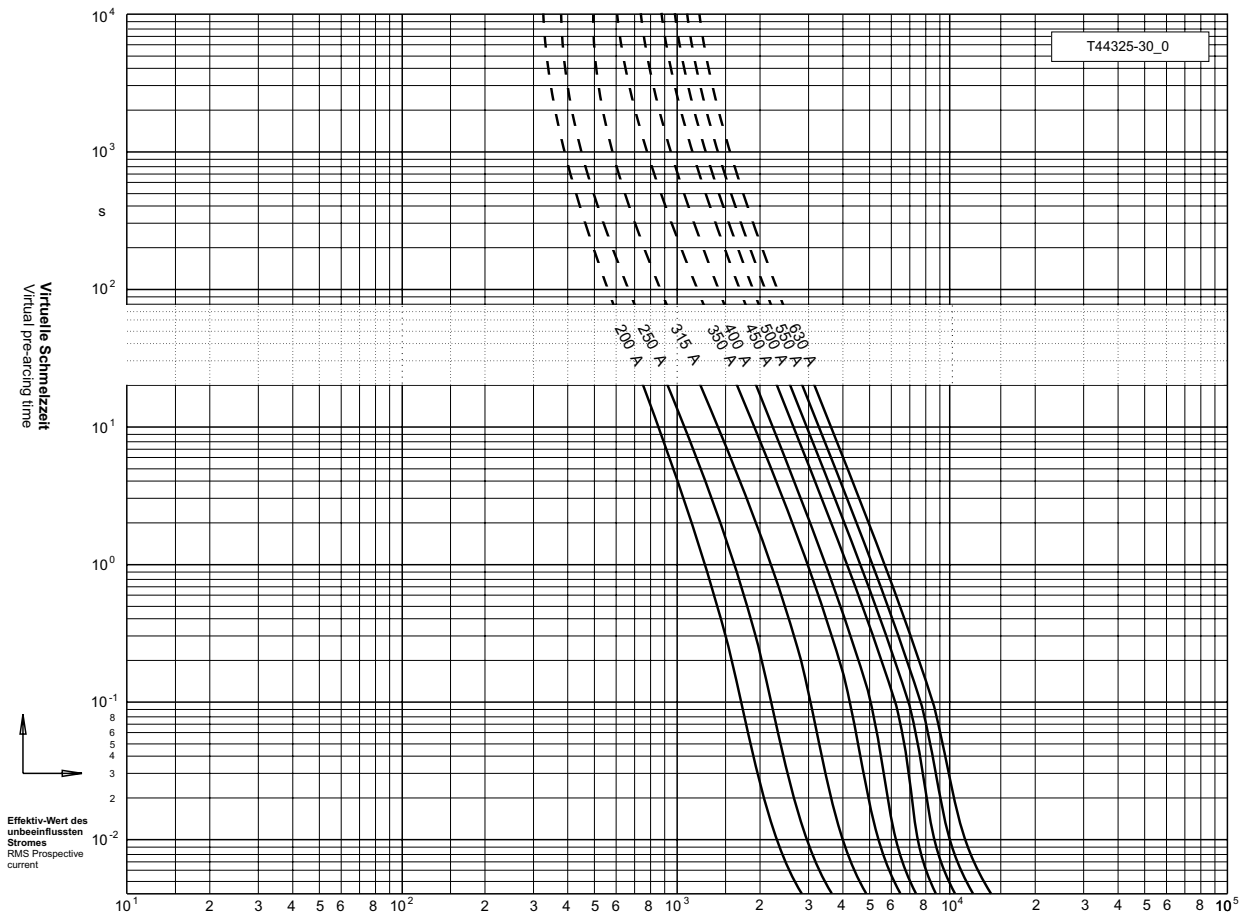
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,6 | 1,25 | 0,5 | 0,8 |

DC 1500 V NH3L

RU usE180276

**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 1500 V NH 3L



Verpackungseinheit / Packing unit: 1 Stück / 1 pieces

| | |
|--------------------------------------|----------------------------------|
| Betriebsklasse / Class gPV | IEC 60269-6 UL 248-13 |
|--------------------------------------|----------------------------------|



20 243 28

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Länge Length | | | | | | | | |
|--|---------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
| | | a ₁ | a ₂ | a ₅ | b ₁ | e ₁ | e ₂ | e ₄ | c ₁ | f |
| V | | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 1500 | 20 243 28 | 208 | 134 | 125 | 32 | 73 | 73 | 6 | 60 | 16 |
| | 20 243 29 | | | | | | | | | |

Bemessungsausschaltvermögen / Rated breaking capacity 50 kA DC 1500 V L/R=1-3ms

| Bemessungs- strom Rated Current | Artikel Nr. Article No. | | Gewicht Weight | Bemessungsaus- schaltvermögen Rated breaking capacity | Schmelz- integral Pre-Arcing I ² t-Value | Ausschalt- integral Total I ² t-Value | Leistungs- abgabe Power Loss | |
|---------------------------------------|---------------------------------------|------------------------------------|-------------------|--|--|--|------------------------------------|---------------------|
| | ohne Klappmelder without indicator | mit Klappmelder* with indicator | | | | | @ I _n | @ 0,7I _n |
| | A | | | kg / 1 | kA | A ² s | A ² s | W |
| 200 | 20 243 28.200 | 20 243 29.200 | 2,06 | 50 | 19.200 | 108.000 | 37 | 15 |
| 250 | 20 243 28.250 | 20 243 29.250 | 2,06 | 50 | 32.000 | 192.000 | 43 | 18 |
| 315 | 20 243 28.315 | 20 243 29.315 | 2,06 | 50 | 57.000 | 342.000 | 54 | 22 |
| 350 | 20 243 28.350 | 20 243 29.350 | 2,06 | 50 | 77.000 | 480.000 | 60 | 24 |
| 400 | 20 243 28.400 | 20 243 29.400 | 2,06 | 50 | 106.000 | 640.000 | 65 | 27 |
| 450 | 20 243 28.450 | 20 243 29.450 | 2,06 | 50 | 153.000 | 920.000 | 70 | 29 |
| 500 | 20 243 28.500 | 20 243 29.500 | 2,06 | 50 | 189.000 | 1.010.000 | 80 | 32 |

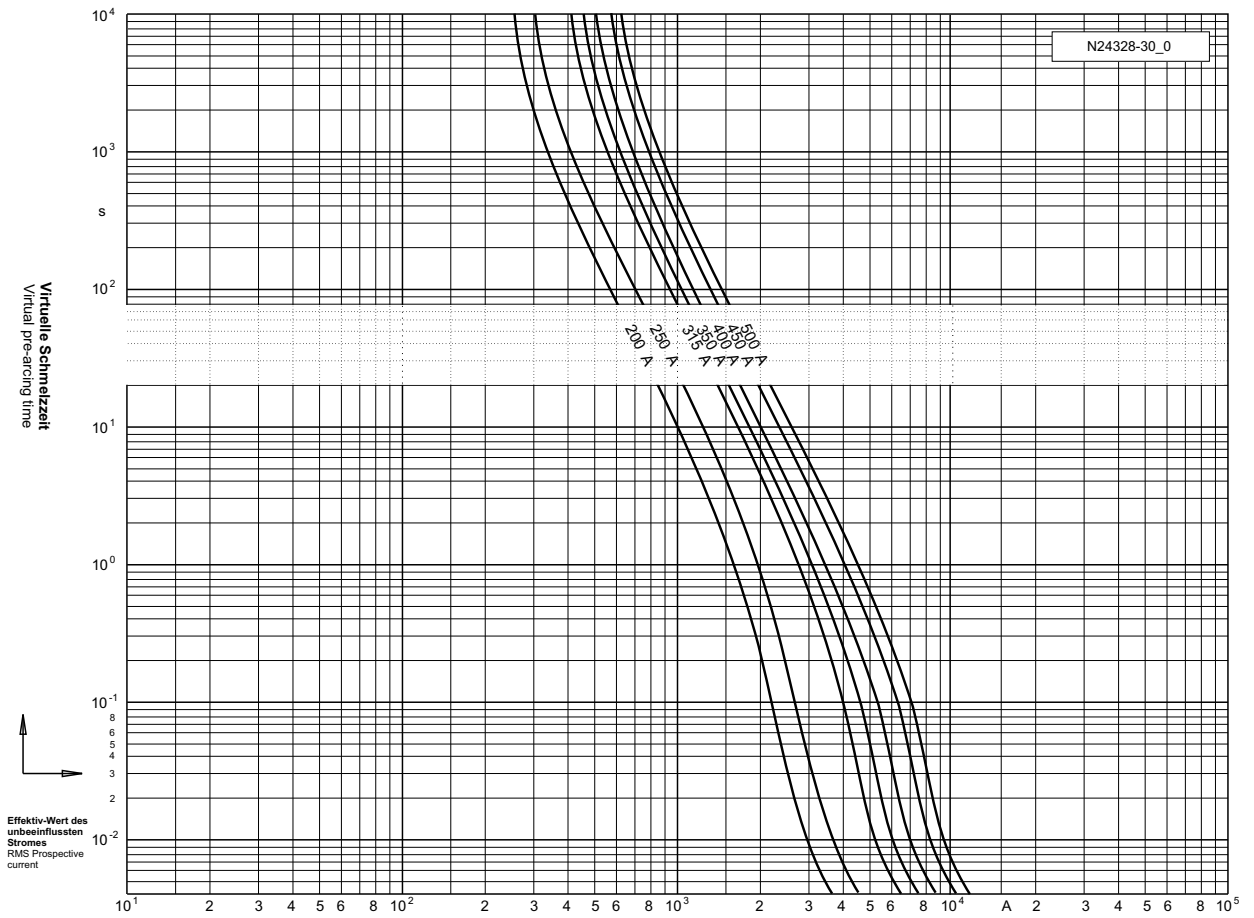
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,8 | 1,25 | 0,5 | 0,8 |

DC 1500 V NH 3L

UL Listed
E341342

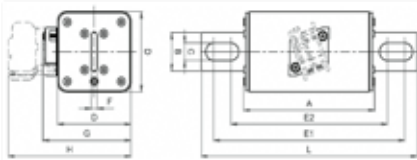
**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 1500 V SQB 3



Verpackungseinheit / Packing unit: 1 Stück / 1 pieces



20 247 27

| | |
|--------------------------------------|--|
| Betriebsklasse / Class gPV | IEC 60269-6 UL 248-13 |
|--------------------------------------|--|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Länge Length | | | | | | | | | |
|--|---------------------------|-----------------|----|----|----|-----|-----|----|-----|----|-----|
| | | A | B | C | D | E1 | E2 | F | L | G | H |
| V | | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 1500 | 20 247 27 | 131 | 35 | 16 | 73 | 190 | 156 | 6 | 215 | 88 | 122 |
| | 20 247 28 | | | | | | | | | - | - |

Bemessungsausschaltvermögen / Rated breaking capacity 50 kA DC 1500 V L/R=1-3ms

| Bemessungs- strom Rated Current | Artikel Nr. Article No. | | Gewicht Weight | Bemessungsaus- schaltvermögen Rated breaking capacity | Schmelz- integral Pre-Arcing I ² t-Value | Ausschalt- integral Total I ² t-Value | Leistungs- abgabe Power Loss | |
|---------------------------------------|----------------------------------|--------------------------------------|-------------------|--|--|--|------------------------------------|---------------------|
| | mit Meldeschalter with switch | ohne Meldeschalter without switch | | | | | @ I _n | @ 0,7I _n |
| | A | | | kg / 1 | kA | A ² s | A ² s | W |
| 200 | 20 247 27.200 | 20 247 28.200 | 2,06 | 50 | 19.200 | 108.000 | 37 | 15 |
| 250 | 20 247 27.250 | 20 247 28.250 | 2,06 | 50 | 32.000 | 192.000 | 43 | 18 |
| 315 | 20 247 27.315 | 20 247 28.315 | 2,06 | 50 | 57.000 | 342.000 | 54 | 22 |
| 350 | 20 247 27.350 | 20 247 28.350 | 2,06 | 50 | 77.000 | 480.000 | 60 | 24 |
| 400 | 20 247 27.400 | 20 247 28.400 | 2,06 | 50 | 106.000 | 640.000 | 65 | 27 |
| 450 | 20 247 27.450 | 20 247 28.450 | 2,06 | 50 | 153.000 | 920.000 | 70 | 29 |
| 500 | 20 247 27.500 | 20 247 28.500 | 2,06 | 50 | 189.000 | 1.010.000 | 80 | 32 |

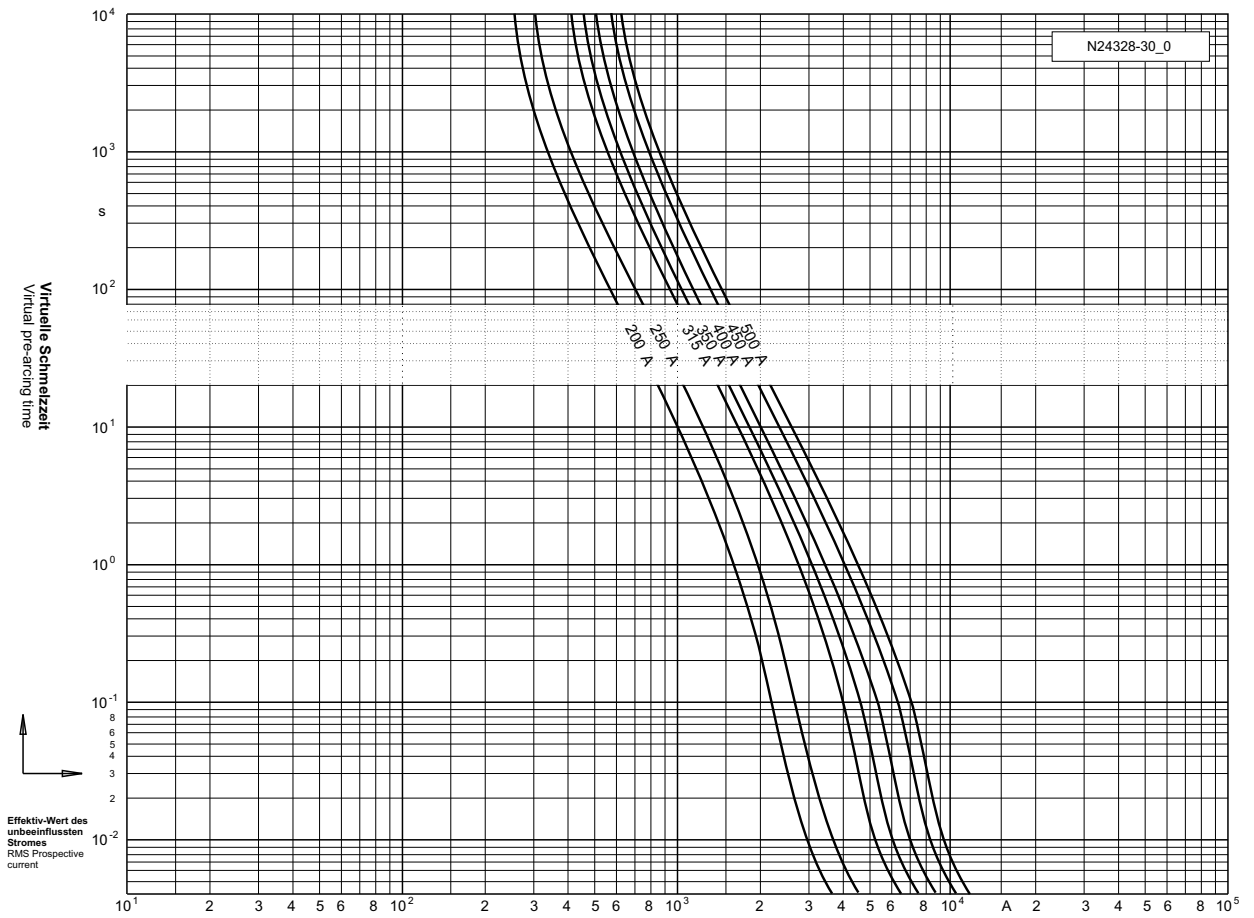
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,8 | 1,25 | 0,5 | 0,8 |

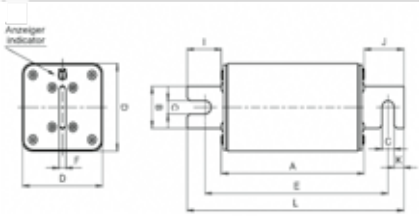
DC 1500 V SQB 3

UL Listed
E341342

**Zeit/Strom-
Kennlinien**
Time-current
characteristics



DC 1500 V SQB 3



20 245 48

Verpackungseinheit / Packing unit: 1 Stück / 1 pieces

| | |
|--------------------------------------|--|
| Betriebsklasse / Class gPV | IEC 60269-6 UL 248-13 |
|--------------------------------------|--|

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No | Länge Length | | | | | | | | | |
|--|---------------------------|-----------------|----|----|----|-----|----|------|------|----|-----|
| | | A | B | C | D | E | F | I | J | K | L |
| V | | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| DC 1500 | 20 245 28 | 130 | 35 | 11 | 73 | 167 | 6 | 31,5 | 36,5 | 9 | 198 |
| | 20 245 29 | | | | | | | | | | |

Bemessungsausschaltvermögen / Rated breaking capacity 50 kA DC 1500 V L/R=1-3ms

| Bemessungs- strom Rated Current | Artikel Nr. Article No. | | Gewicht Weight | Bemessungsaus- schaltvermögen Rated breaking capacity | Schmelz- integral Pre-Arcing I ² t-Value | Ausschalt- integral Total I ² t-Value | Leistungs- abgabe Power Loss | |
|---------------------------------------|----------------------------------|--------------------------------------|-------------------|--|--|--|------------------------------------|---------------------|
| | mit Meldeschalter with switch | ohne Meldeschalter without switch | | | | | @ I _n | @ 0,7I _n |
| | A | | | kg / 1 | kA | A ² s | A ² s | W |
| 200 | 20 245 28.200 | 20 245 29.200 | 2,1 | 50 | 19.200 | 108.000 | 37 | 15 |
| 250 | 20 245 28.250 | 20 245 29.250 | 2,1 | 50 | 32.000 | 192.000 | 43 | 18 |
| 315 | 20 245 28.315 | 20 245 29.315 | 2,1 | 50 | 57.000 | 342.000 | 54 | 22 |
| 350 | 20 245 28.350 | 20 245 29.350 | 2,1 | 50 | 77.000 | 480.000 | 60 | 24 |
| 400 | 20 245 28.400 | 20 245 29.400 | 2,1 | 50 | 106.000 | 640.000 | 65 | 27 |
| 450 | 20 245 28.450 | 20 245 29.450 | 2,1 | 50 | 153.000 | 920.000 | 70 | 29 |
| 500 | 20 245 28.500 | 20 245 29.500 | 2,1 | 50 | 189.000 | 1.010.000 | 80 | 32 |

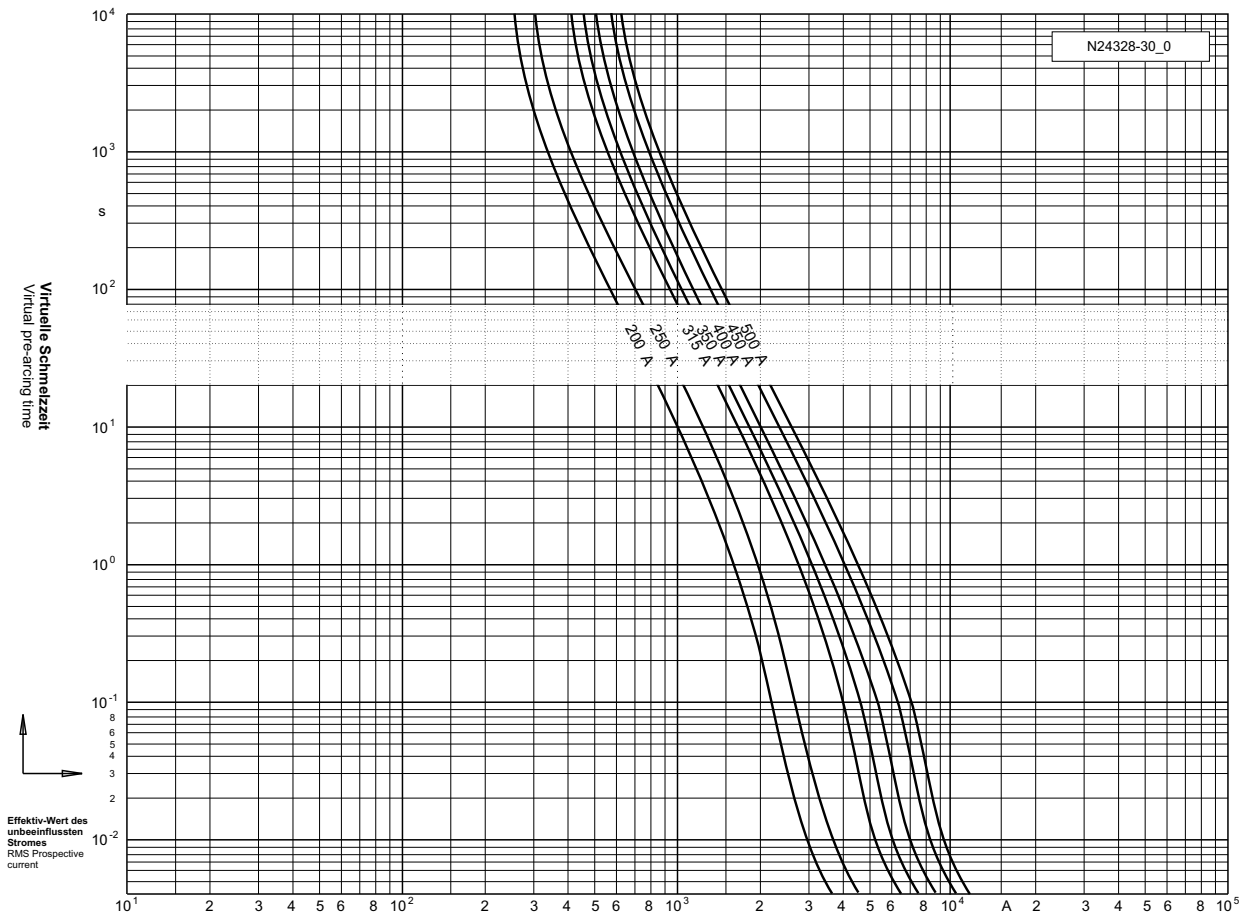
Applikationskoeffizienten / Application coefficients (Weiterführende Informationen siehe Seite 13 / for more information see page 13)

| a | A2 | B1 max. | B2 | Cf3 |
|-----|-----|---------|-----|-----|
| 130 | 0,8 | 1,25 | 0,5 | 0,8 |

DC 1500 V SQB 3

 Listed
E341342

**Zeit/Strom-
Kennlinien**
Time-current
characteristics

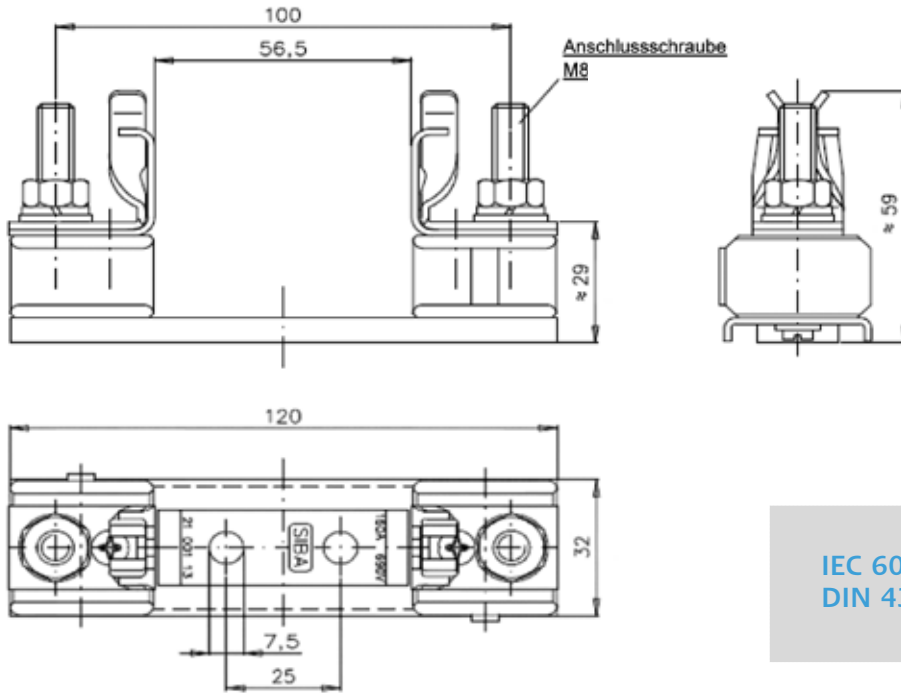


690 V

NH-U-Sicherungsunterteile
NH-U-Fuse-Bases

NH 00

Leistungsenden
nach Wahl



1-polig / 1-pole
mit Stahlgrundplatte /
with steelsocket

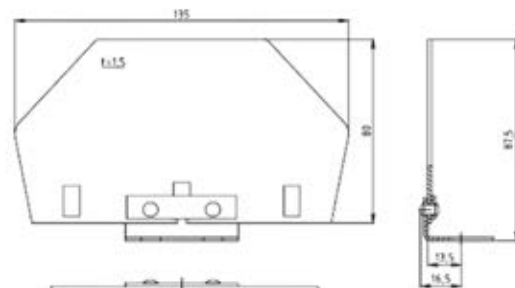
IEC 60269-2
DIN 43620

Verpackung / Packing 3 Stück / 3 pieces

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No. | Größe Size | Gewicht Weight | Gewinde Thread | Bemessungs- strom Rated Current | Bemessungs- leistung- saufnahme Rated Power Acceptance | Bemessungs- Anzugsdreh- moment (Anschluss) Rated Connections Torque | Max. Anzugsdreh- moment (Unterteilbefestigung) Max. Fuse-base Torque |
|--|----------------------------|---------------|-------------------|-------------------|---------------------------------------|--|---|---|
| V | | | kg/1 | | A | W | Nm | Nm |
| 690 | 21 001 01. | NH 00 | 0,26 | M8x20 | 160 | 12 | 12 | 12 |
| 690 | 21 001 13. | | 0,26 | M8x30 | 160 | 12 | 12 | 12 |

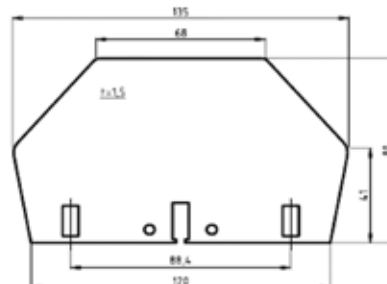
Verpackung / Packing 10 Stück / 10 pieces

| | Artikel-Nr. / Article No. | Gewicht / Weight |
|---------------|---------------------------------|------------------|
| Objekt / Item | Trennwand außen / External wall | 0,05 |



Verpackung / Packing 1 Stück / 1 piece

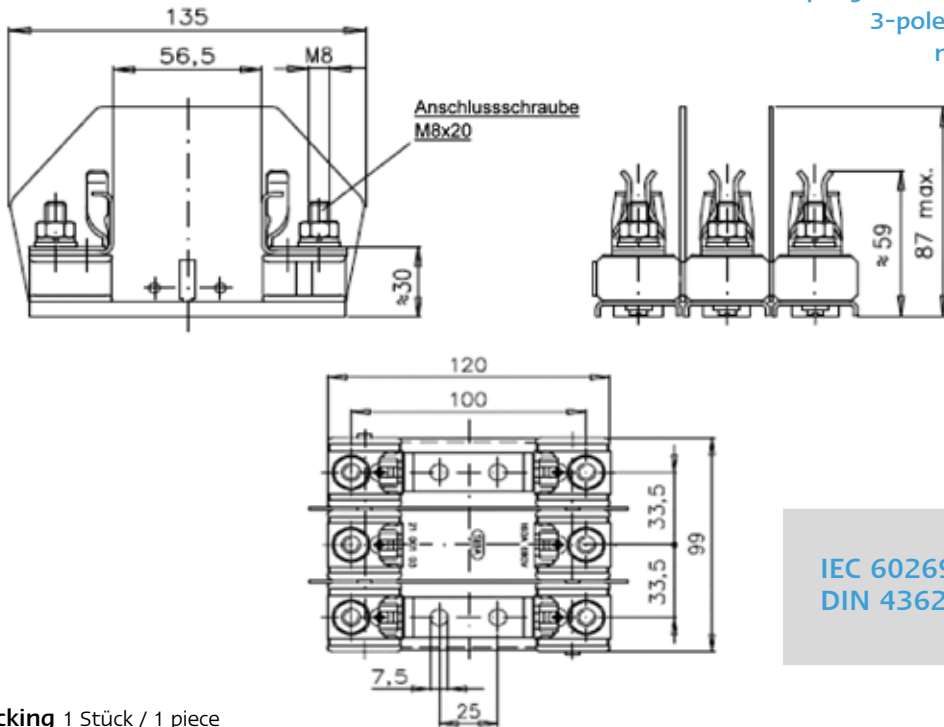
| | Artikel-Nr. / Article No. | Gewicht / Weight |
|---------------|----------------------------------|------------------|
| Objekt / Item | Trennwand innen / Partition wall | 0,03 |



690 V

**NH-U-Sicherungsunterteile
NH-U-Fuse-Bases**

NH 00



3-polig inkl. 2 Trennwänden innen /
3-pole incl. 2 partition walls
mit Stahlgrundplatte /
with steelsocket

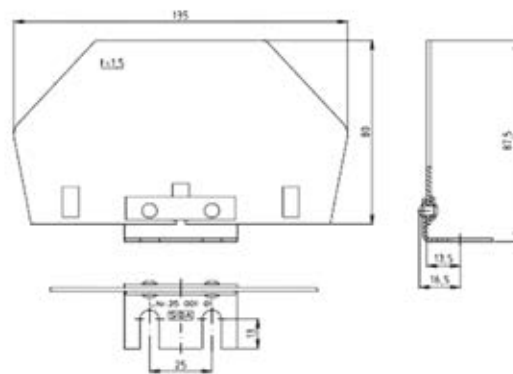
IEC 60269-2
DIN 43620

Verpackung / Packing 1 Stück / 1 piece

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No. | Größe Size | Gewicht Weight | Gewinde Thread | Bemessungs- strom Rated Current | Bemessungs- leistungs- aufnahme Rated Power Acceptance | Bemessungs- Anzugsdreh- moment (Anschluss) Rated Connections Torque | Max. Anzugsdreh- moment (Unterteilbefestigung) Max. Fuse-base Torque |
|--|----------------------------|---------------|-------------------|-------------------|---------------------------------------|--|---|---|
| V | | | kg/1 | | A | W | Nm | Nm |
| 690 | 21 001 03. | NH 00 | 0,81 | M8x20 | 160 | 3 x 12 | 3 x 12 | 12 |

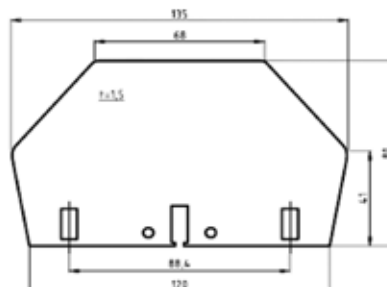
Verpackung / Packing 10 Stück / 10 pieces

| | Artikel-Nr. / Article No. | Gewicht / Weight |
|---------------|---------------------------------|------------------|
| Objekt / Item | Trennwand außen / External wall | 0,05 |



Verpackung / Packing 1 Stück / 1 piece

| | Artikel-Nr. / Article No. | Gewicht / Weight |
|---------------|----------------------------------|------------------|
| Objekt / Item | Trennwand innen / Partition wall | 0,03 |

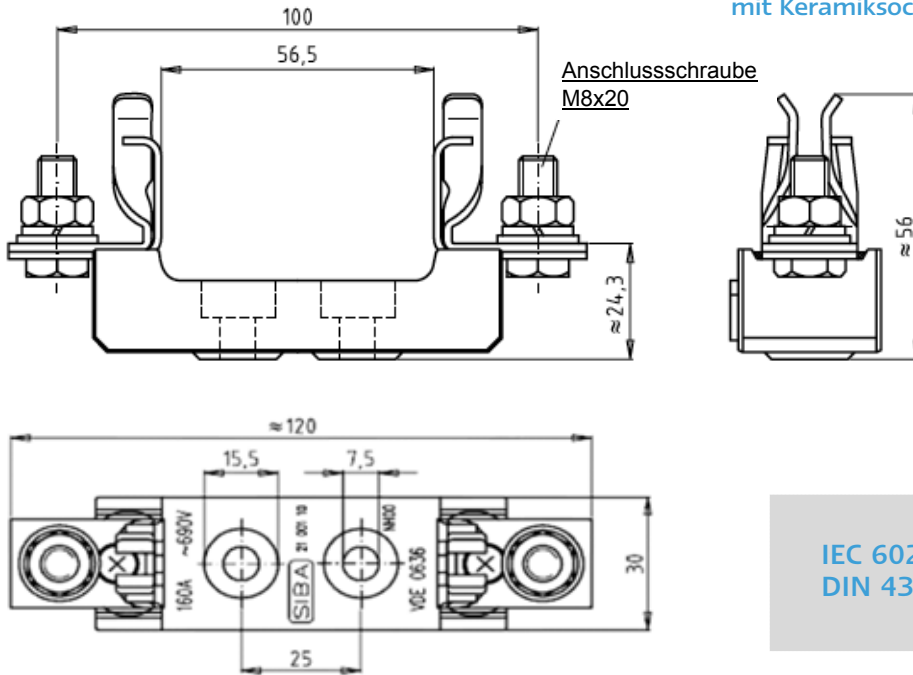


690 V

NH-U-Sicherungsunterteile
NH-U-Fuse-Bases

NH 00

1-polig / 1-pole
mit Keramiksockel / with ceramic socket



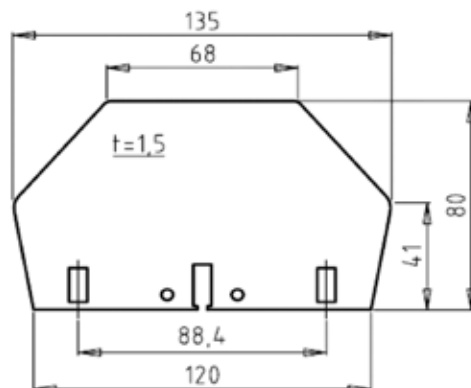
IEC 60269-2
DIN 43620

Verpackung / Packing 3 Stück / 3 pieces

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No. | Größe Size | Gewicht Weight | Gewinde Thread | Bemessungs- strom Rated Current | Bemessungs- leistungs- aufnahme Rated Power Acceptance | Bemessungs- Anzugsdrehmoment (Anschluss) Rated Connections Torque | Max. Anzugs- drehmoment (Unterteilbefestigung) Max. Fuse-base Torque |
|--|----------------------------|---------------|-------------------|-------------------|---------------------------------------|--|---|---|
| V | | | kg/1 | | A | W | Nm | Nm |
| 690 | 21 001 10. | NH 00 | 0,22 | M8x20 | 160 | 12 | 12 | 12 |

Verpackung / Packing 10 Stück / 10 pieces

| | Artikel-Nr. / Article No. | Gewicht / Weight |
|---------------|----------------------------|------------------|
| | 21 001 03.2 | kg/1 |
| Objekt / Item | Trennwand / Partition wall | 0,03 |

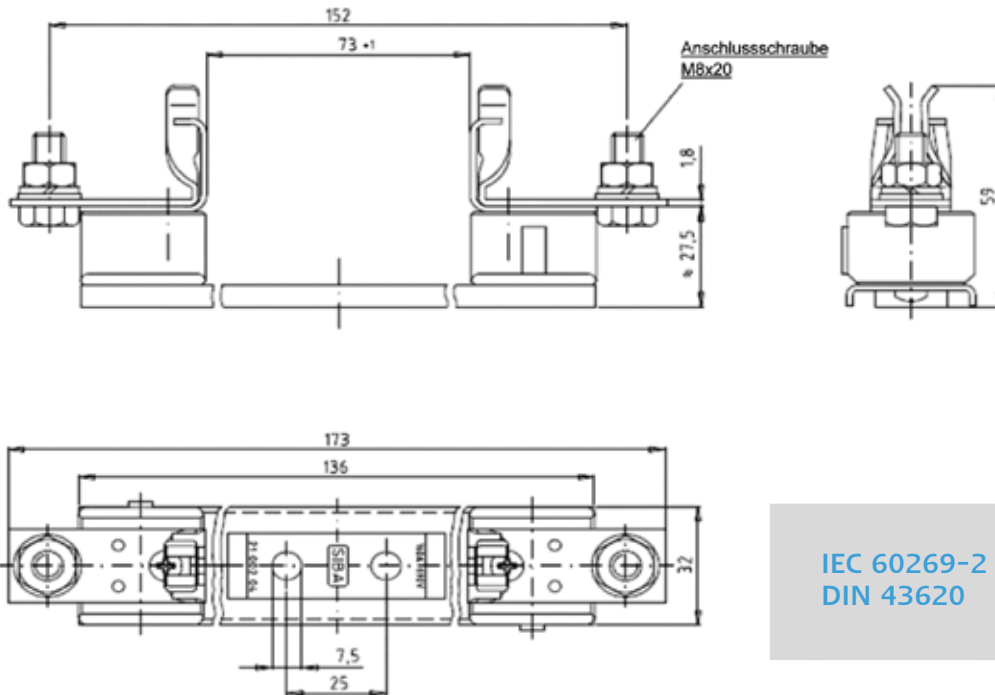


690 V

NH-U-Sicherungsunterteile
NH-U-Fuse-Bases

NH 0

1-polig / 1-pole



Verpackung / Packing 3 Stück / 3 pieces

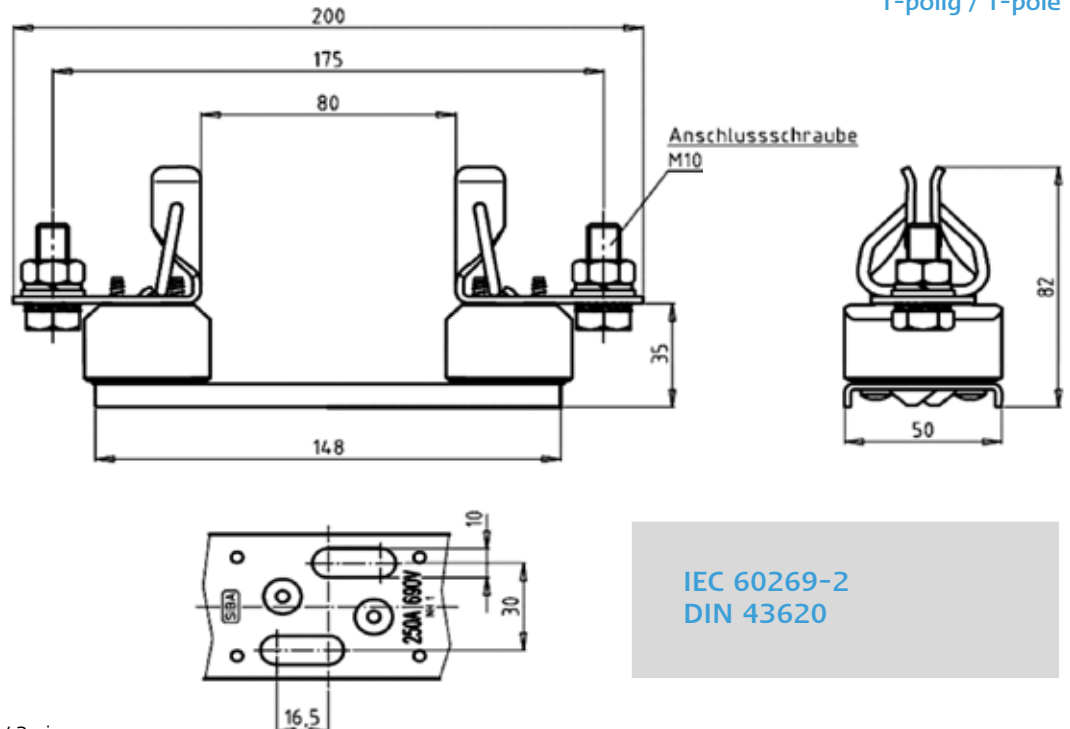
| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No. | Größe Size | Gewicht Weight | Gewinde Thread | Bemessungs- strom Rated Current | Bemessungs- leistungs- aufnahme Rated Power Acceptance | Bemessungs- Anzugsdreh- moment (Anschluss) Rated Connections Torque | Max. Anzugs- drehmoment (Unterteilbefestigung) Max. Fuse-base Torque |
|--|----------------------------|---------------|-------------------|-------------------|---------------------------------------|--|---|---|
| V | | | kg/1 | | A | W | Nm | Nm |
| 690 | 21 002 04. | NH 0 | 0,28 | M8x20 | 160 | 25 | 12 | 12 |

690 V

NH-U-Sicherungsunterteile
NH-U-Fuse-Bases

NH 1

1-polig / 1-pole



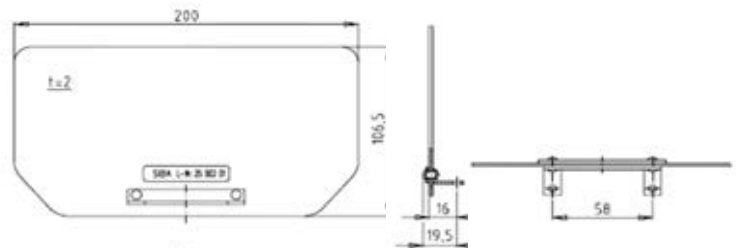
IEC 60269-2
DIN 43620

Verpackung / Packing 3 Stück / 3 pieces

| Bemessungs- spannung Rated Voltage | Artikel-Nr. Article No. | Größe Size | Gewicht Weight | Gewinde Thread | Bemessungs- strom Rated Current | Bemessungs- leistungs- aufnahme Rated Power Acceptance | Bemessungs- Anzugsdreh- moment (Anschluss) Rated Connections Torque | Max. Anzugsdreh- moment (Unterteilbefestigung) Max. Fuse-base Torque |
|--|----------------------------|---------------|-------------------|-------------------|---------------------------------------|--|---|---|
| V | | | kg/1 | | A | W | Nm | Nm |
| 690 | 21 003 01. | NH 1 | 0,68 | M10x30 | 250 | 32 | 32 | 20 |
| 690 | 21 003 04. | | 0,68 | M10x40 | 250 | 32 | 32 | 20 |

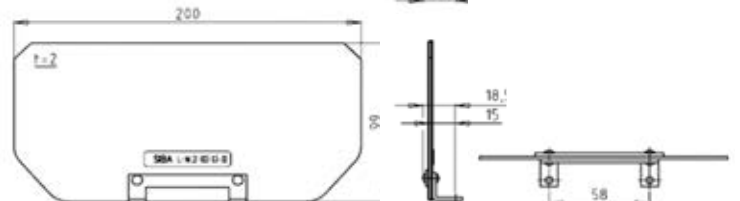
Verpackung / Packing 5 Stück / 5 pieces

| Objekt / Item | Artikel-Nr. / Article No. | Gewicht / Weight |
|---------------------------------|---------------------------|------------------|
| Trennwand außen / External wall | 25 003 01. | 0,08 |



Verpackung / Packing 1 Stück / 1 piece

| Objekt / Item | Artikel-Nr. / Article No. | Gewicht / Weight |
|----------------------------------|---------------------------|------------------|
| Trennwand innen / Partition wall | 21 003 03.30 | 0,05 |



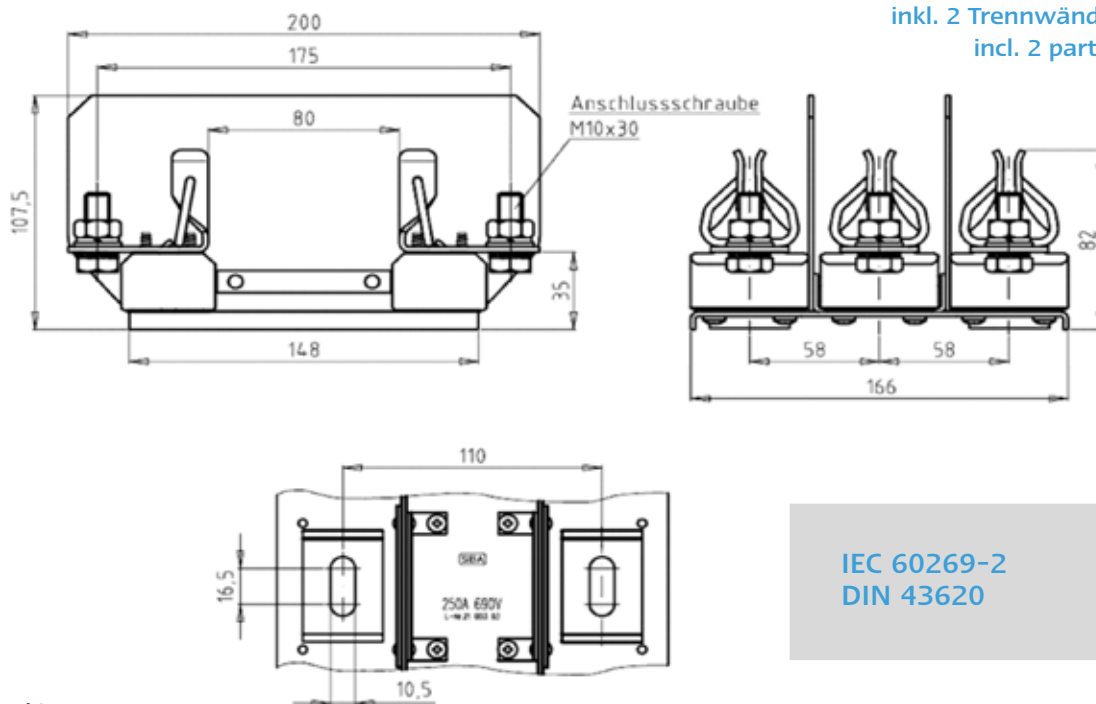
Verpackung / Packing 2 Stück / 2 pieces

| Objekt / Item | Artikel-Nr. / Article No. | Gewicht / Weight |
|---|---------------------------|------------------|
| Kontaktabdeckung / Contact Insulating Cover | 21 003 01.26 | 0,03 |
| Größe / Size | 1 | |



690 V NH-U-Sicherungsunterteile / NH-U-Fuse-Bases **NH 1**

3-polig / 3-pole
inkl. 2 Trennwänden innen /
incl. 2 partition walls



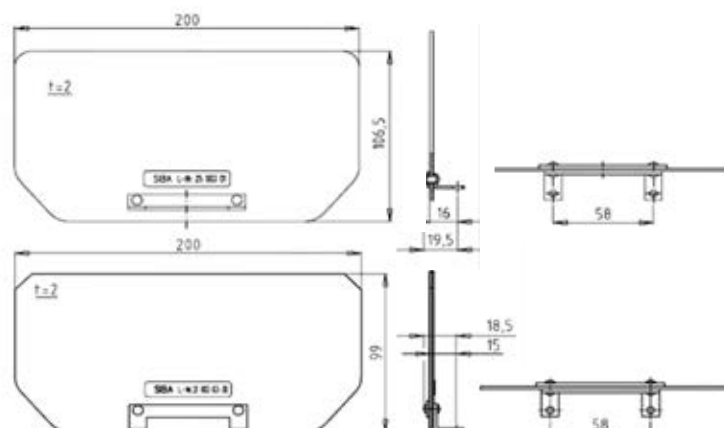
IEC 60269-2
DIN 43620

Verpackung / Packing 1 Stück / 1 piece

| Bemessungsspannung Rated Voltage | Artikel-Nr. Article No. | Größe Size | Gewicht Weight | Gewinde Thread | Bemessungsstrom Rated Current | Bemessungsleistungsaufnahme Rated Power Acceptance | Bemessungsanzugsdrehmoment (Anschluss) Rated Connections Torque | Max. Anzugsdrehmoment (Unterteilbefestigung) Max. Fuse-base Torque |
|-------------------------------------|----------------------------|---------------|-------------------|-------------------|----------------------------------|---|--|---|
| V | | | kg/1 | | A | W | Nm | Nm |
| 690 | 21 003 03. | NH 1 | 2,31 | M10x30 | 250 | 32 | 32 | 20 |

Verpackung / Packing 5 Stück / 5 pieces

| Objekt / Item | Artikel-Nr. / Article No. | Gewicht / Weight |
|---------------------------------|---------------------------|------------------|
| Trennwand außen / External wall | 25 003 01. | 0,08 |



Verpackung / Packing 1 Stück / 1 piece

| Objekt / Item | Artikel-Nr. / Article No. | Gewicht / Weight |
|----------------------------------|---------------------------|------------------|
| Trennwand innen / Partition wall | 21 003 03.30 | 0,05 |

Verpackung / Packing 2 Stück / 2 pieces

| Objekt / Item | Artikel-Nr. / Article No. | Gewicht / Weight |
|---|---------------------------|------------------|
| Kontaktabdeckung / Contact Insulating Cover | 21 003 01.26 | 0,03 |
| Größe / Size | 1 | |

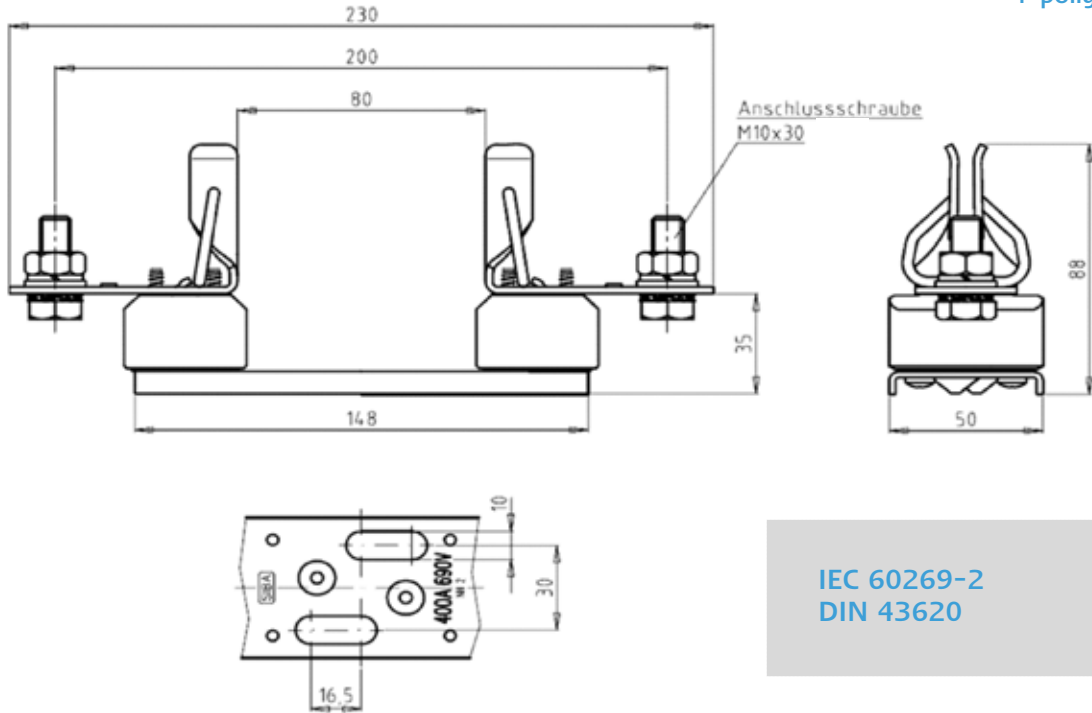


690 V

NH-U-Sicherungsunterteile
NH-U-Fuse-Bases

NH 2

1-polig / 1-pole

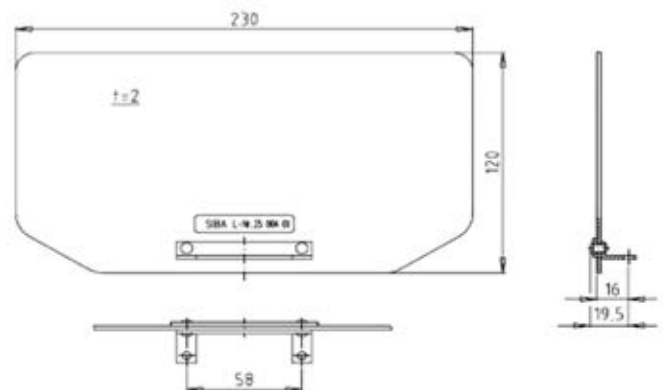


Verpackung / Packing 1 Stück / 1 piece

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No. | Größe Size | Gewicht Weight | Gewinde Thread | Bemessungs- strom Rated Current | Bemessungs- leistungs- aufnahme Rated Power Acceptance | Bemessungs- Anzugsdreh- moment (Anschluss) Rated Connections Torque | Max. Anzugsdreh- moment (Unterteilbefestigung) Max. Fuse-base Torque |
|--|----------------------------|---------------|-------------------|-------------------|---------------------------------------|--|---|---|
| V | | | kg/1 | | A | W | Nm | Nm |
| 690 | 21 004 01. | NH 2 | 0,74 | M10x30 | 400 | 45 | 32 | 20 |
| 690 | 21 004 04. | | 0,87 | M12x40 | 400 | 45 | 38 | 20 |

Verpackung / Packing 5 Stück / 5 pieces

| Objekt / Item | Artikel-Nr. / Article No. | Gewicht / Weight |
|------------------------------------|---------------------------|------------------|
| Trennwand außen / External wall | 25 004 01. | 0,10 |

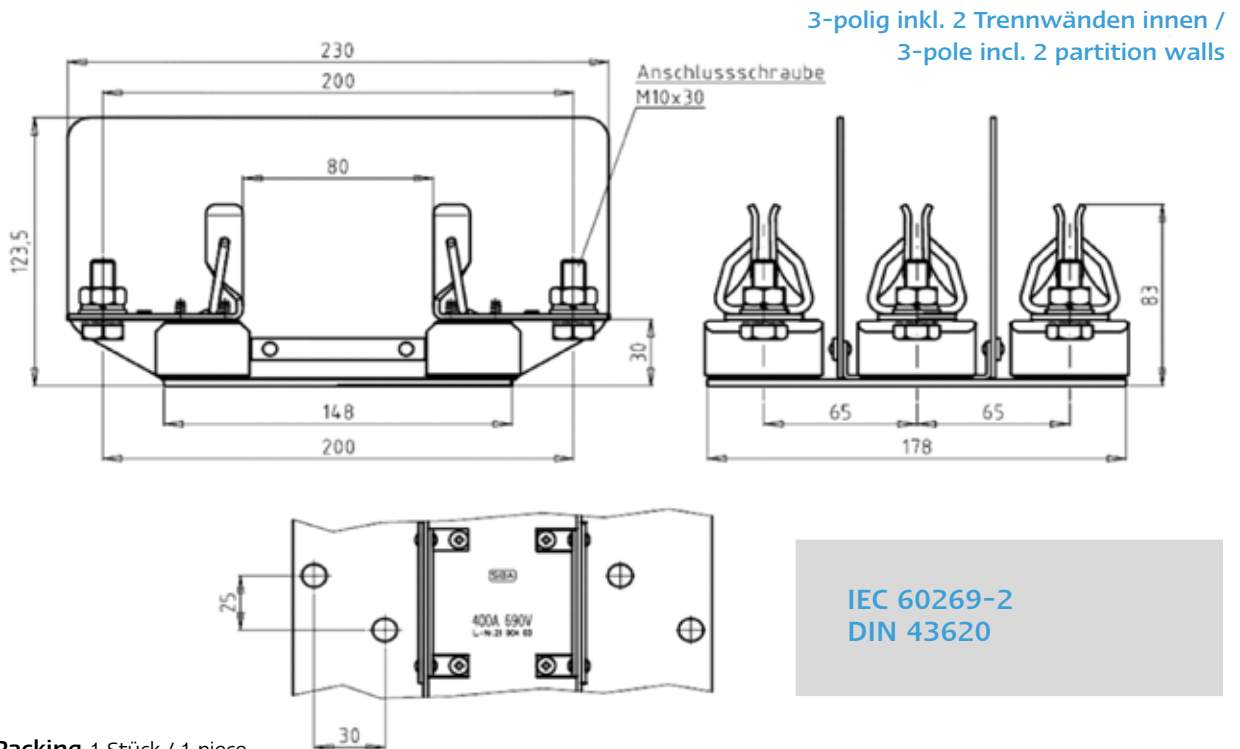


Verpackung / Packing 5 Stück / 5 pieces

| Objekt / Item | Artikel-Nr. / Article No. | Gewicht / Weight |
|---|---------------------------|------------------|
| Kontaktabdeckung / Contact Insulating Cover | 21 004 01.26 | 0,04 |
| Größe / Size | 2 | |



690 V NH-U-Sicherungsunterteile / NH-U-Fuse-Bases **NH 2**

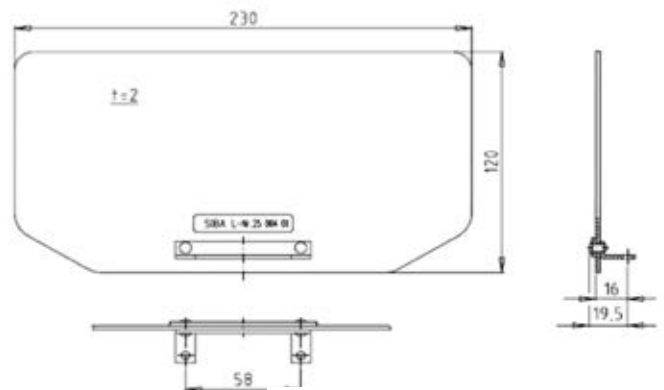


Verpackung / Packing 1 Stück / 1 piece

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No. | Größe Size | Gewicht Weight | Gewinde Thread | Bemessungs- strom Rated Current | Bemessungs- leistungs- aufnahme Rated Power Acceptance | Bemessungs- Anzugsdreh- moment (Anschluss) Rated Connections Torque | Max. Anzugsdreh- moment (Unterteilbefestigung) Max. Fuse-base Torque |
|--|----------------------------|---------------|-------------------|-------------------|---------------------------------------|--|---|---|
| V | 3-polig / 3-pole | | kg/1 | | A | W | Nm | Nm |
| 690 | 21 004 03. | NH 2 | 3,15 | M10x30 | 630 | 3 x 45 | 38 | 32 |

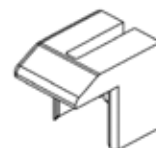
Verpackung / Packing 5 Stück / 5 pieces

| Objekt / Item | Artikel-Nr. / Article No. | Gewicht / Weight |
|---------------------------------|---------------------------|------------------|
| Trennwand außen / External wall | 25 004 01. | 0,10 |



Verpackung / Packing 2 Stück / 2 pieces

| Objekt / Item | Artikel-Nr. / Article No. | Gewicht / Weight |
|---|---------------------------|------------------|
| Kontaktabdeckung / Contact Insulating Cover | 21 004 01.26 | 0,04 |
| Größe / Size | 3 | |

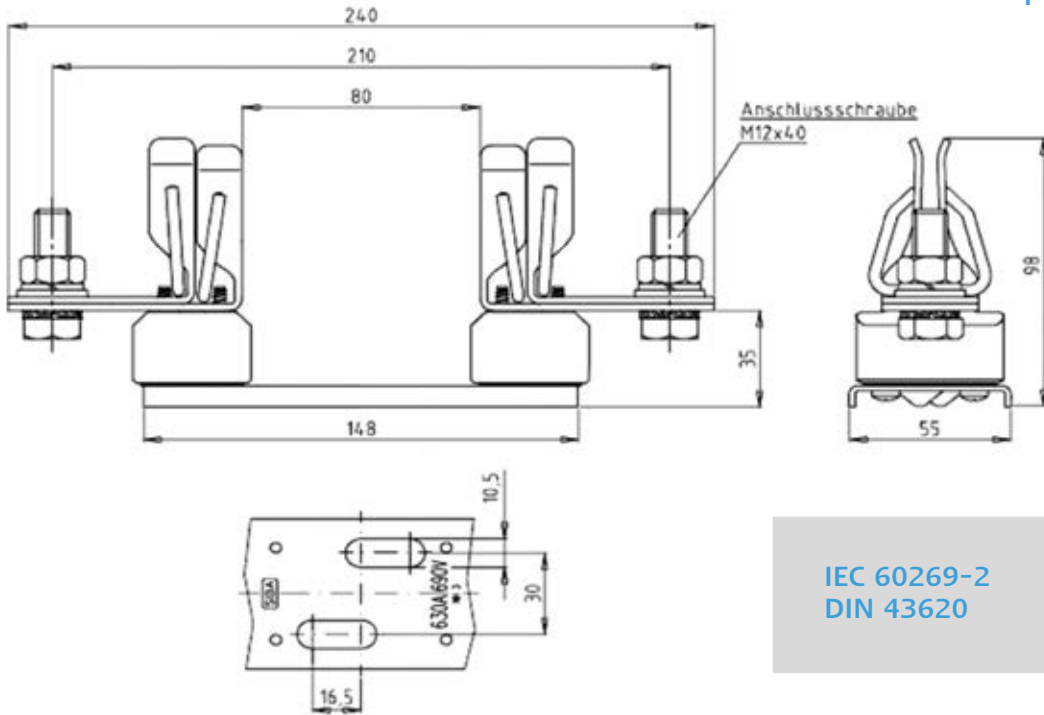


690 V

NH-U-Sicherungsunterteile
NH-U-Fuse-Bases

NH 3

1-polig / 1-pole



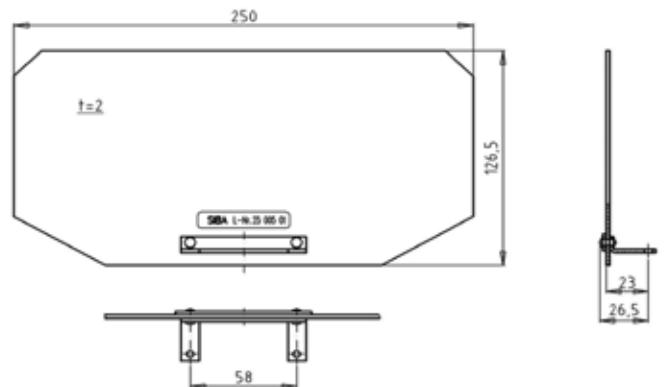
IEC 60269-2
DIN 43620

Verpackung / Packing 1 Stück / 1 piece

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No. | Größe Size | Gewicht Weight | Gewinde Thread | Bemessungs- strom Rated Current | Bemessungs- leistungs- aufnahme Rated Power Acceptance | Bemessungs- Anzugsdreh- moment (Anschluss) Rated Connections Torque | Max. Anzugsdreh- moment (Unterteilbefestigung) Max. Fuse-base Torque |
|--|----------------------------|---------------|-------------------|-------------------|---------------------------------------|--|---|---|
| V | 1-polig / 1-pole | | kg/1 | | A | W | Nm | Nm |
| 690 | 21 005 01 | NH 3 | 1,05 | M12x40 | 630 | 60 | 38 | 32 |

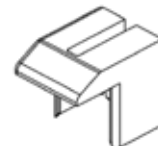
Verpackung / Packing 5 Stück / 5 pieces

| Objekt / Item | Artikel-Nr. / Article No. | Gewicht / Weight |
|------------------------------------|---------------------------|------------------|
| Trennwand außen / External wall | 25 005 01. | 0,11 |



Verpackung / Packing 2 Stück / 2 pieces

| Objekt / Item | Artikel-Nr. / Article No. | Gewicht / Weight |
|---|---------------------------|------------------|
| Kontaktabdeckung / Contact Insulating Cover | 21 005 01.26 | 0,04 |
| Größe / Size | 3 | |

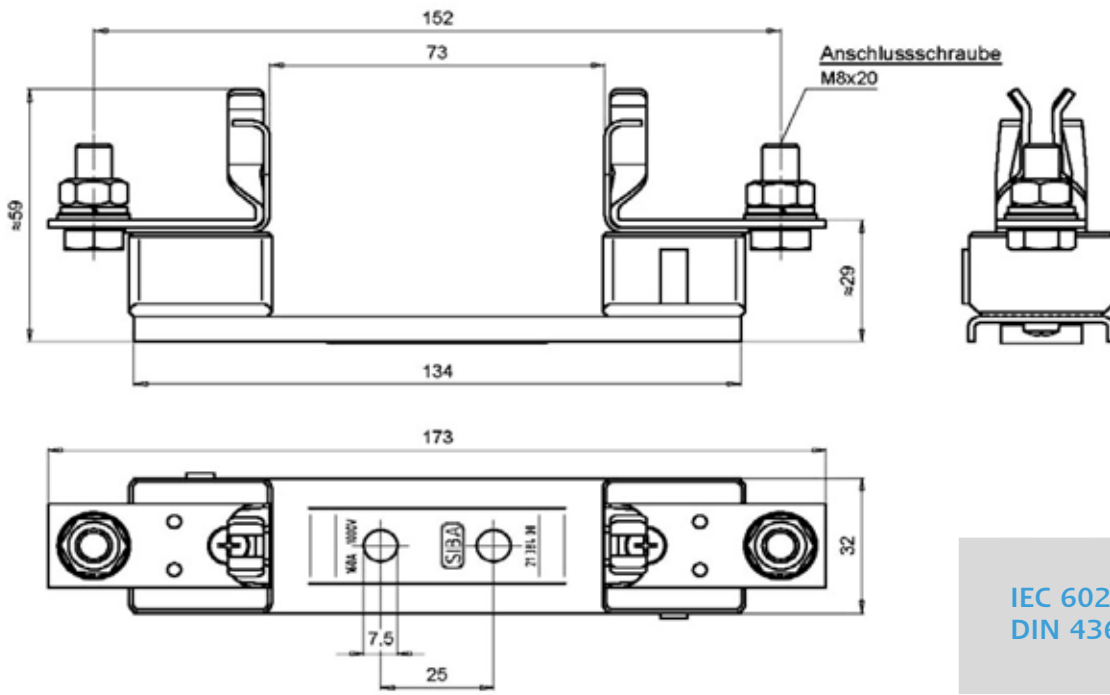


1000 V

NH-U-Sicherungsunterteile
NH-U-Fuse-Bases

NH 0

1-polig / 1-pole



IEC 60269-2
DIN 43620

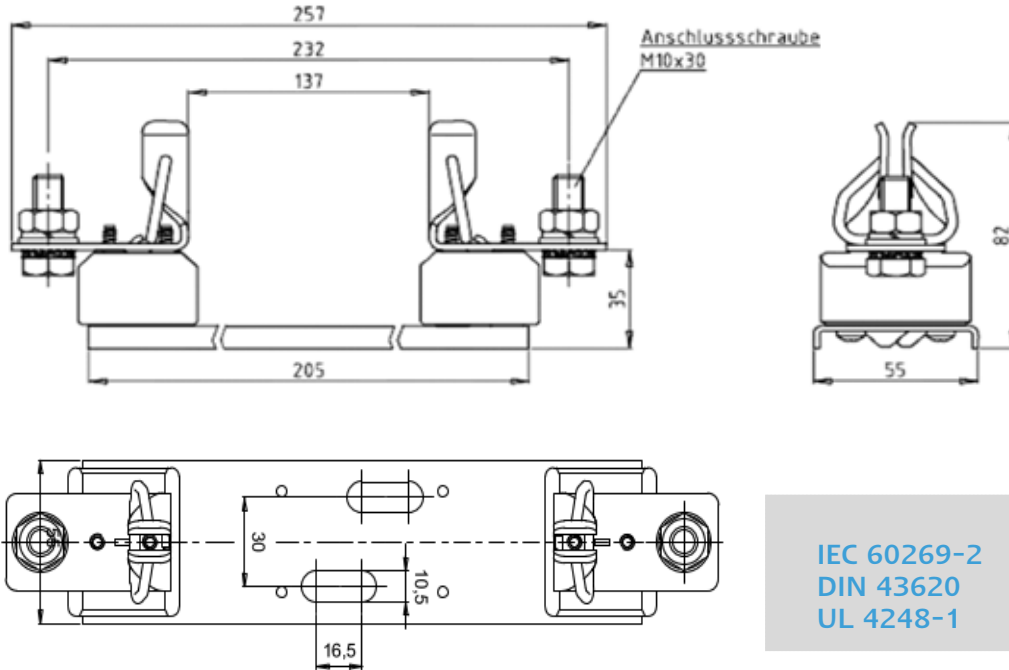
1500 V

NH-U-Sicherungsunterteile
NH-U-Fuse-Bases

NH 1XL

 **usE186970** (DC 1500 V)

1-polig / 1-pole



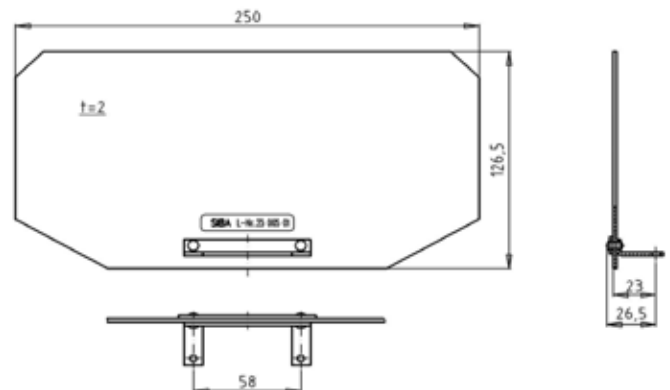
IEC 60269-2
DIN 43620
UL 4248-1

Verpackung / Packing 3 Stück / 3 pieces

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No. | Größe Size | Gewicht Weight | Gewinde Thread | Bemessungs- strom Rated Current | Bemessungs- leistungs- aufnahme Rated Power Acceptance | Bemessungs- Anzugsdreh- moment (Anschluss) Rated Connections Torque | Max. Anzugsdreh- moment (Unterteilbefestigung) Max. Fuse-base Torque |
|--|----------------------------|---------------|-------------------|-------------------|---------------------------------------|--|---|---|
| V | | | kg/1 | | A | W | Nm | Nm |
| 1500 | 21 028 01. | NH 1XL | 0,83 | M10x30 | ≤ 250 | 32 | 32 | 20 |

Verpackung / Packing 5 Stück / 5 pieces

| Objekt / Item | Artikel-Nr. / Article No. | Gewicht / Weight |
|------------------------------------|---------------------------|------------------|
| Trennwand außen / External wall | 25 005 01. | 0,11 |



Verpackung / Packing 2 Stück / 2 pieces


| Objekt / Item | Artikel-Nr. / Article No. | Gewicht / Weight |
|---|---------------------------|------------------|
| Kontaktabdeckung / Contact Insulating Cover | 21 003 01.26 | 0,03 |
| Größe / Size | 1 | |

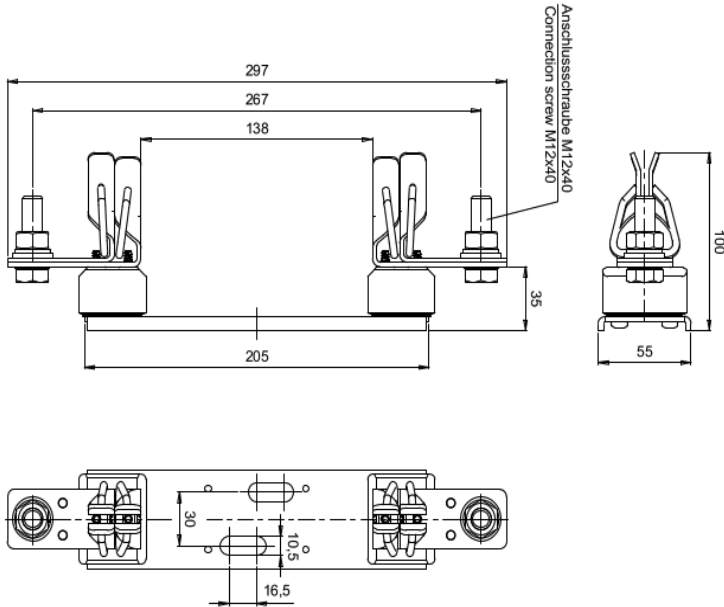


1500 V

NH-U-Sicherungsunterteile
NH-U-Fuse-Bases

NH 3L

 usE186970 (DC 1500 V)

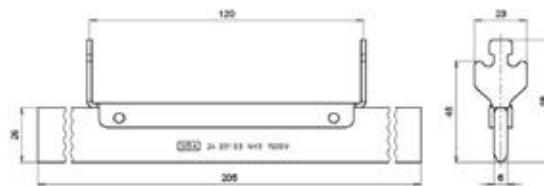


IEC 60269-2
DIN 43620
UL 4248-1

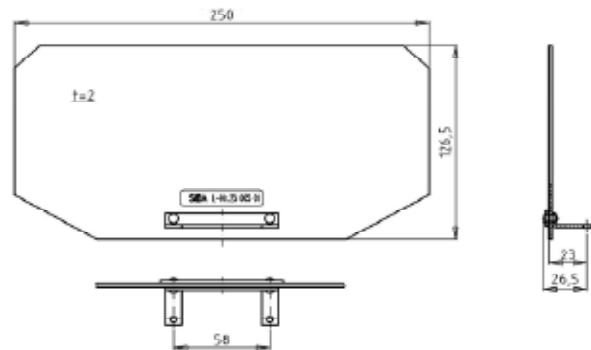
Verpackung / Packing 3 Stück / 3 pieces

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No. | Größe Size | Gewicht Weight | Gewinde Thread | Bemessungs- strom Rated Current | Bemessungs- leistungs- aufnahme Rated Power Acceptance | Bemessungs- Anzugsdreh- moment (Anschluss) Rated Connections Torque | Max. Anzugsdreh- moment (Unterteilbefestigung) Max. Fuse-base Torque |
|--|----------------------------|---------------|-------------------|-------------------|---------------------------------------|--|---|---|
| V | | | kg/1 | | A | W | Nm | Nm |
| 1500 | 21 031 01 | NH3L | 1,13 | M12x40 | 750 | 60 | 38 | 16 |

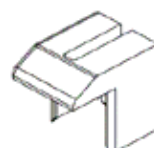
| |
|--|
| Artikel-Nr. / Article No. 24 031 03 |
| Objekt / Item Trennmesser / Cutting knife |



| |
|--|
| Artikel-Nr. / Article No. 25 005 01. |
| Objekt / Item Trennwand außen / External wall |



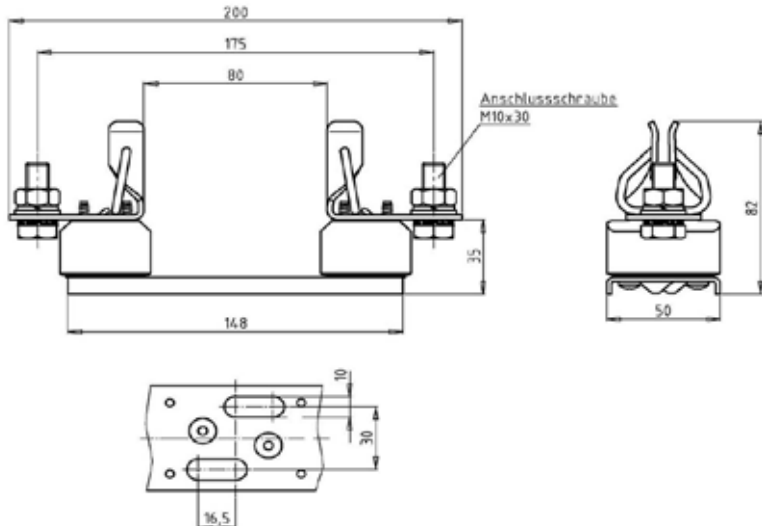
| | |
|--|---------|
| Artikel-Nr. / Article No. 21 005 01.26 | |
| Objekt / Item Kontaktdeckung / Contact Insulating Cover | |
| Größe / Size | 3 |
| Gewicht / Weight | 0,03 kg |



DC 1000 V

**NH-U-Sicherungsunterteile
NH-U-Fuse-Bases**

NH 1



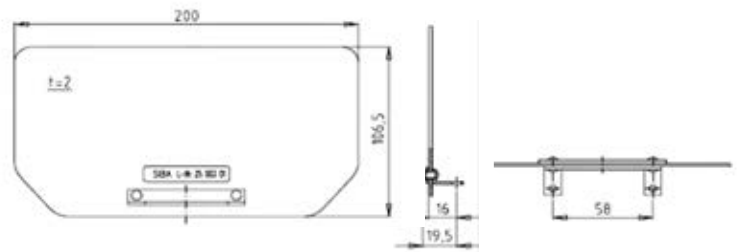
IEC 60269-2
DIN 43620

Verpackung / Packing 3 Stück / 3 pieces

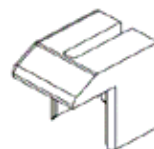
| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No. | Größe Size | Gewicht Weight | Gewinde Thread | Bemessungs- strom Rated Current | Bemessungs- leistungs- aufnahme Rated Power Acceptance | Bemessungs- Anzugsdreh- moment (Anschluss) Rated Connections Torque | Max. Anzugsdreh- moment (Unterteilbefestigung) Max. Fuse-base Torque |
|--|----------------------------|---------------|-------------------|-------------------|---------------------------------------|--|---|---|
| V | | | kg/1 | | A | W | Nm | Nm |
| DC 1000 | 21 556 01 | NH1 | 1,13 | M10x30 | 250 | 32 | 32 | 20 |

Verpackung / Packing 5 Stück / 5 pieces

| | Artikel-Nr. / Article No. 25 003 01. | Gewicht / Weight kg/1 |
|---------------|---|--------------------------|
| Objekt / Item | Trennwand außen / External wall | 0,08 |



| | Artikel-Nr. / Article No. 21 003 01.26 |
|------------------|---|
| Objekt / Item | Kontaktdeckung / Contact Insulating Cover |
| Größe / Size | 3 |
| Gewicht / Weight | 0,03 kg |

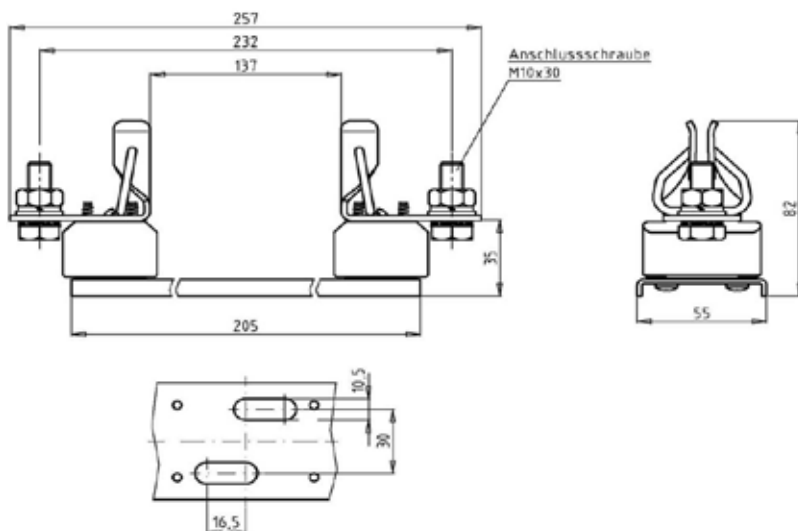


DC 1500 V

**NH-U-Sicherungsunterteile
NH-U-Fuse-Bases**

NH 1XL

 Listed
E341342

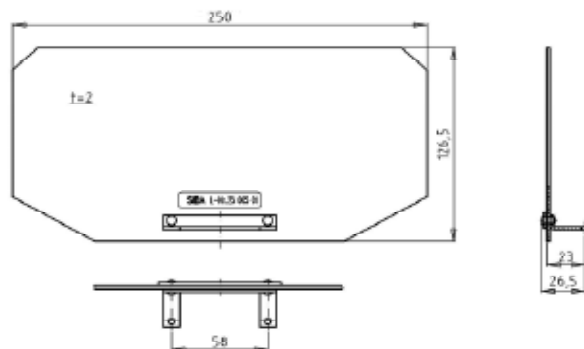


IEC 60269-2
UL 4248-18

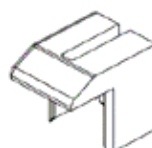
Verpackung / Packing 3 Stück / 3 pieces

| Bemessungs- spannung Rated Voltage | Artikel-Nr. Article No. | Größe Size | Gewicht Weight | Gewinde Thread | Bemessungs- strom Rated Current | Bemessungs- leistungs- aufnahme Rated Power Acceptance | Bemessungs- Anzugsdreh- moment (Anschluss) Rated Connections Torque | Max. Anzugsdreh- moment (Unterteilbefestigung) Max. Fuse-base Torque |
|--|----------------------------|---------------|-------------------|-------------------|---------------------------------------|--|---|---|
| V | | | kg/1 | | A | W | Nm | Nm |
| DC 1500 | 21 028 28 | NH1XL | 1,13 | M10x30 | 250 | 32 | 32 | 16 |

| | |
|---------------|---|
| | Artikel-Nr. / Article No. 25 005 01. |
| Objekt / Item | Trennwand außen / External wall |



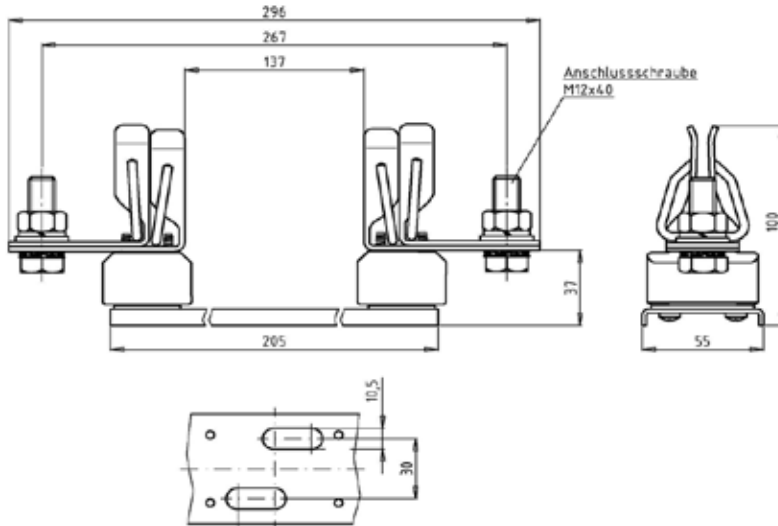
| | | |
|------------------|---|---|
| | Artikel-Nr. / Article No. 21 003 01.26 | Artikel-Nr. / Article No. 21 005 01.26 |
| Objekt / Item | Kontaktabdeckung / Contact Insulating Cover | |
| Größe / Size | 1 | 3 |
| Gewicht / Weight | 0,02 kg | 0,04 kg |



DC 1500 V

**NH-U-Sicherungsunterteile
NH-U-Fuse-Bases**

NH 3L

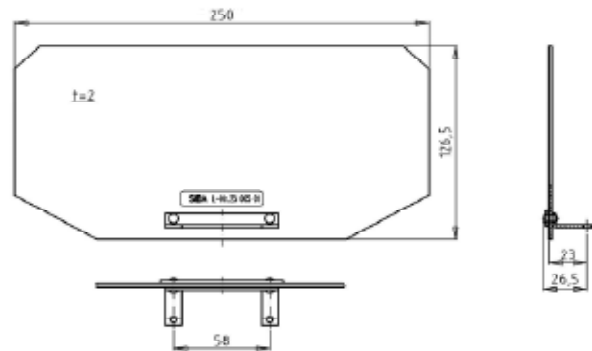


**IEC 60269-2
UL 4248-18**

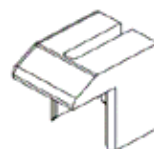
Verpackung / Packing 3 Stück / 3 pieces

| Bemessungs- spannung Rated Voltage | Artikel Nr. Article No. | Größe Size | Gewicht Weight | Gewinde Thread | Bemessungs- strom Rated Current | Bemessungs- leistungs- aufnahme Rated Power Acceptance | Bemessungs- Anzugsdreh- moment (Anschluss) Rated Connections Torque | Max. Anzugsdreh- moment (Unterteilbefestigung) Max. Fuse-base Torque |
|--|----------------------------|---------------|-------------------|-------------------|---------------------------------------|--|---|---|
| V | | | kg/1 | | A | W | Nm | Nm |
| DC 1500 | 21 031 28 | NH3L | 1,13 | M12x40 | 600 | 60 | 38 | 16 |

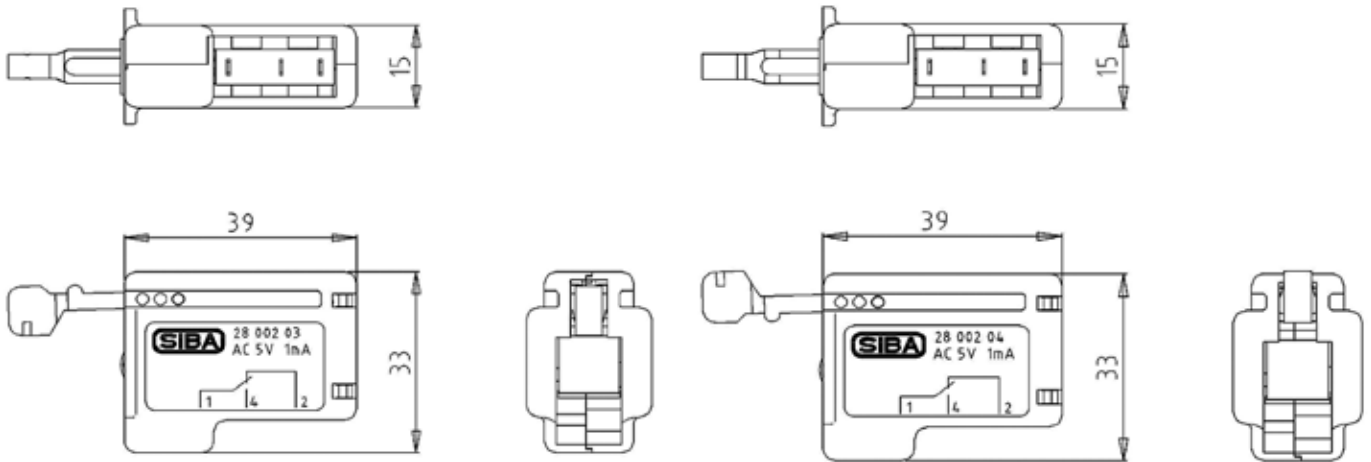
| | |
|---------------|---|
| | Artikel-Nr. / Article No. 25 005 01. |
| Objekt / Item | Trennwand außen / External wall |



| | |
|------------------|---|
| | Artikel-Nr. / Article No. 21 005 01.26 |
| Objekt / Item | Kontaktabdeckung / Contact Insulating Cover |
| Größe / Size | 3 |
| Gewicht / Weight | 0,04 kg |



250 V

 GL-Meldeschalter für Griffflaschenmontage low level
 GL-Switch for gripping lug low level

28 002 03
28 002 04
Verpackungseinheit / Packing unit: 10 Stück / 10 pieces

| Bemessungsspannung Rated Voltage | Artikel-Nr. Article No. | Gewicht Weight | Bemessungsstrom Rated Current | Anschluss Terminal | Temperaturbereich Temperature range | Flammbarkeitsklasse "UL94" Flammability "UL94" | Wechsler Change over circuit | Verwendbar für Sicherungseinsätze Suitable for following Fuse-links |
|-------------------------------------|----------------------------|-------------------|----------------------------------|-----------------------|--|---|---------------------------------|--|
| V | | kg / 1 | A | | | | | |
| 250 | 28 002 03 low level | 0,02 | 5 | AMP 2.8 x 0,5 | -40°C - +80°C | VO | 1 | NH 00 DIN 80 SQB 1 - 3 |
| 250 | 28 002 04 low level | 0,02 | 5 | AMP 2.8 x 0,5 | -40°C - +80°C | VO | 1 | NH 000 DIN 80 NH 000-4 |

| Voltage / Spannung | Schaltvermögen / Interrupting Rating | |
|--------------------|---|------------------------|
| | Artikel-Nr. / Article No. 28 002 04 | |
| | Min. Daten / Min. data | Max. Daten / Max. data |
| AC | 5 V Ohmsche Last / Non inductive circuit 1 mA | 30 V / 0,3 A |
| DC | 5 V Ohmsche Last / Non inductive circuit 1 mA | 30 V / 0,3 A |

