

# URD-Sicherungen

## Sicherungseinsätze D-Type

# URD Fuses

## Fuse-links D-Type

Technische Daten nach Baureihen /  
Technical Data Types of Fuses

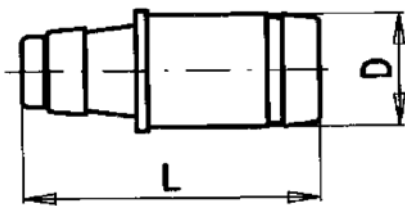
**400 V**

**D 01 - D 03**

Verpackungseinheit / Packing unit: 50/25 Stück / 50/25 pieces

Betriebsklasse / Class  
**gRL (gS)**

**IEC 60269-4**  
**DIN VDE 0636-4**



| Bemessungs-<br>spannung<br>Rated Voltage | Artikel Nr.<br>Article No | Größe<br>Size | Gewinde<br>Thread | Bemessungs-<br>strom<br>Rated Current | Länge<br>Length | Durchmesser D<br>Diameter D |
|--|---------------------------|---------------|-------------------|---------------------------------------|-----------------|-----------------------------|
| V  |                           |               |                   | A                                     | mm              | mm                          |
| 400                                      | 10 027 34                 | D 01          | E 14              | 6-16                                  | 36/1,42"        | 11/0,43"                    |
|  | 10 028 34                 | D 02          | E 18              | 20-63                                 | 36/1,42"        | 15,3/0,60"                  |
|  | 10 029 34                 | D 03          | M 30x2            | 80-100                                | 43/1,70"        | 22,5/0,90"                  |

**Bemessungsausschaltvermögen / Rated breaking capacity 120 kA**

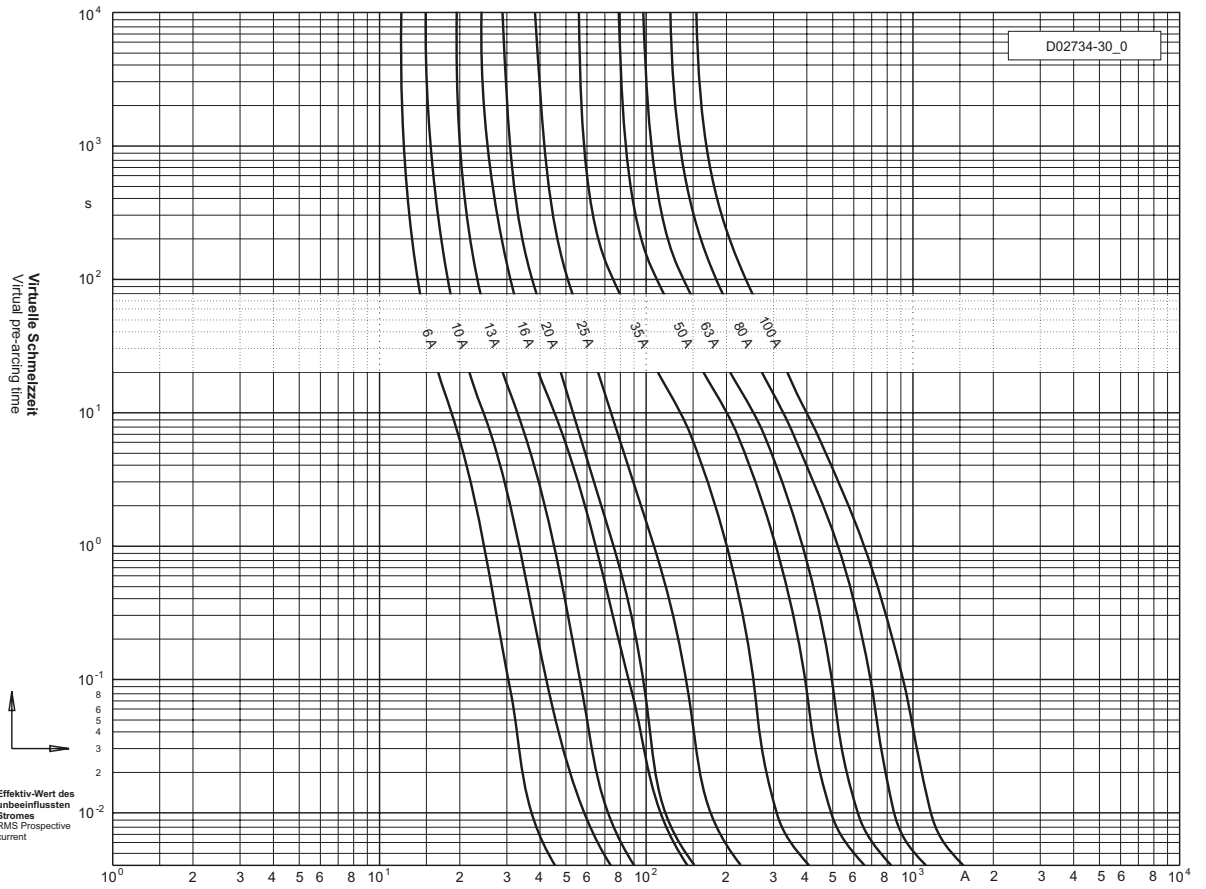
- 10 027 34.6 - 16
- 10 028 34.20 - 63
- 10 029 34.80 - 100

| Bemessungsstrom<br>Rated Current | Artikel Nr.<br>Article No. | Gewicht<br>Weight | Schmelzintegral<br>Pre-Arcing-<br>I <sup>2</sup> t-Value | Ausschaltintegral<br>Total I <sup>2</sup> t-Value<br>@ AC 400 V | Leistungsabgabe<br>Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|-------------------------------|
| A                                |                            | kg / 1            | A <sup>2</sup> s   | A <sup>2</sup> s  |                               |
| 6                                | 10 027 34.6                | 0,01              | 3,0  | 60  | 0,7                           |
| 10                               | 10 027 34.10               | 0,01              | 7,4  | 150   | 1,3                           |
| 13                               | 10 027 34.13               | 0,01              | 1,2  | 240   | 1,7                           |
| 16                               | 10 027 34.16               | 0,01              | 30   | 600   | 1,9                           |
| 20                               | 10 028 34.20               | 0,015             | 46   | 700   | 1,7                           |
| 25                               | 10 028 34.25               | 0,015             | 104  | 1.600   | 2,1                           |
| 35                               | 10 028 34.35               | 0,015             | 330  | 5.000   | 2,9                           |
| 50                               | 10 028 34.50               | 0,015             | 740  | 11.000  | 3,9                           |
| 63                               | 10 028 34.63               | 0,015             | 1.310  | 19.700  | 5,1                           |
| 80                               | 10 029 34.80               | 0,04              | 2.500  | 37.500  | 5,5                           |
| 100                              | 10 029 34.100              | 0,04              | 4.600  | 79.000  | 6,5                           |

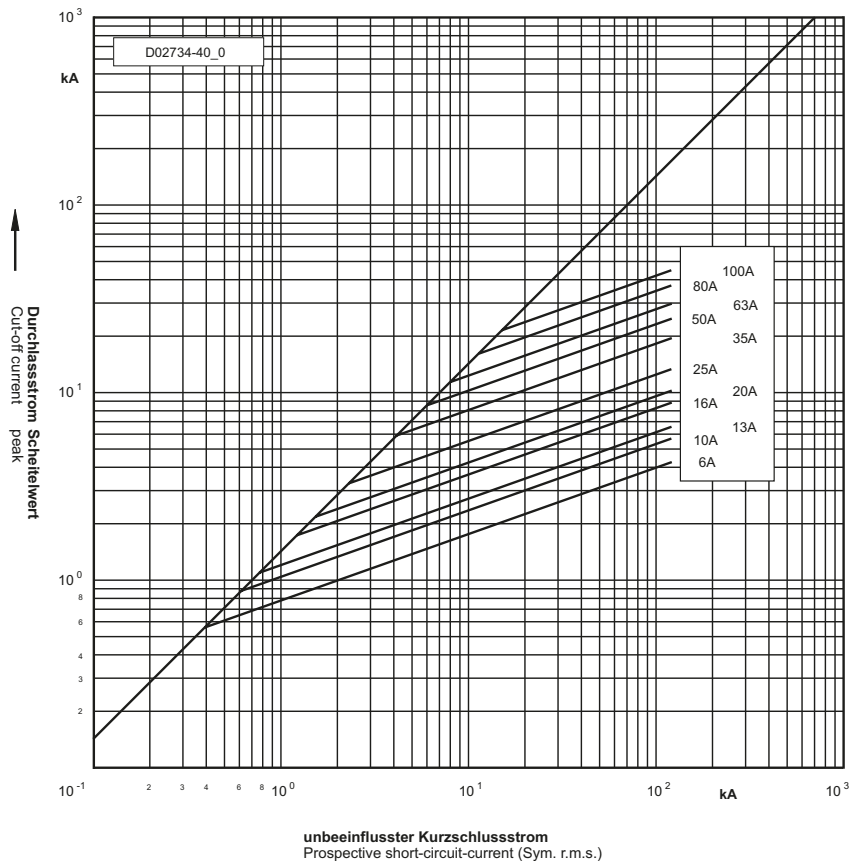
400 V

D 01 - D 03

Zeit/Strom-  
Kennlinien  
Time-current  
characteristics



Durchlass-Strom  
Cut-off current



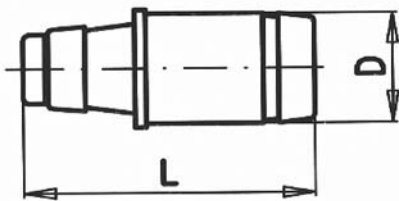
**440 V**

**D 01 - D 03**

Verpackungseinheit / Packing unit: 50/25 Stück / 50/25 pieces

Betriebsklasse / Class  
**gR**

**IEC 60269-4**  
**DIN VDE 0636-4**



| Bemessungs-<br>spannung<br>Rated Voltage | Artikel Nr.<br>Article No | Größe<br>Size | Gewinde<br>Thread | Bemessungs-<br>strom<br>Rated Current | Länge<br>Length | Durchmesser D<br>Diameter D |
|--|---------------------------|---------------|-------------------|---------------------------------------|-----------------|-----------------------------|
| V  |                           |               |                   | A                                     | mm              | mm                          |
| 440                                      | 10 027 07                 | D 01          | E 14              | 2-16                                  | 36/1,42"        | 11/0,43"                    |
|  | 10 028 07                 | D 02          | E 18              | 20-63                                 | 36/1,42"        | 15,3/0,60"                  |
|  | 10 029 07                 | D 03          | M 30x2            | 80-100                                | 43/1,70"        | 22,5/0,90                   |

Bemessungsausschaltvermögen / Rated breaking capacity 100 kA

- 10 027 07.2 - 16
- 10 028 07.20 - 63
- 10 029 07.80 - 100

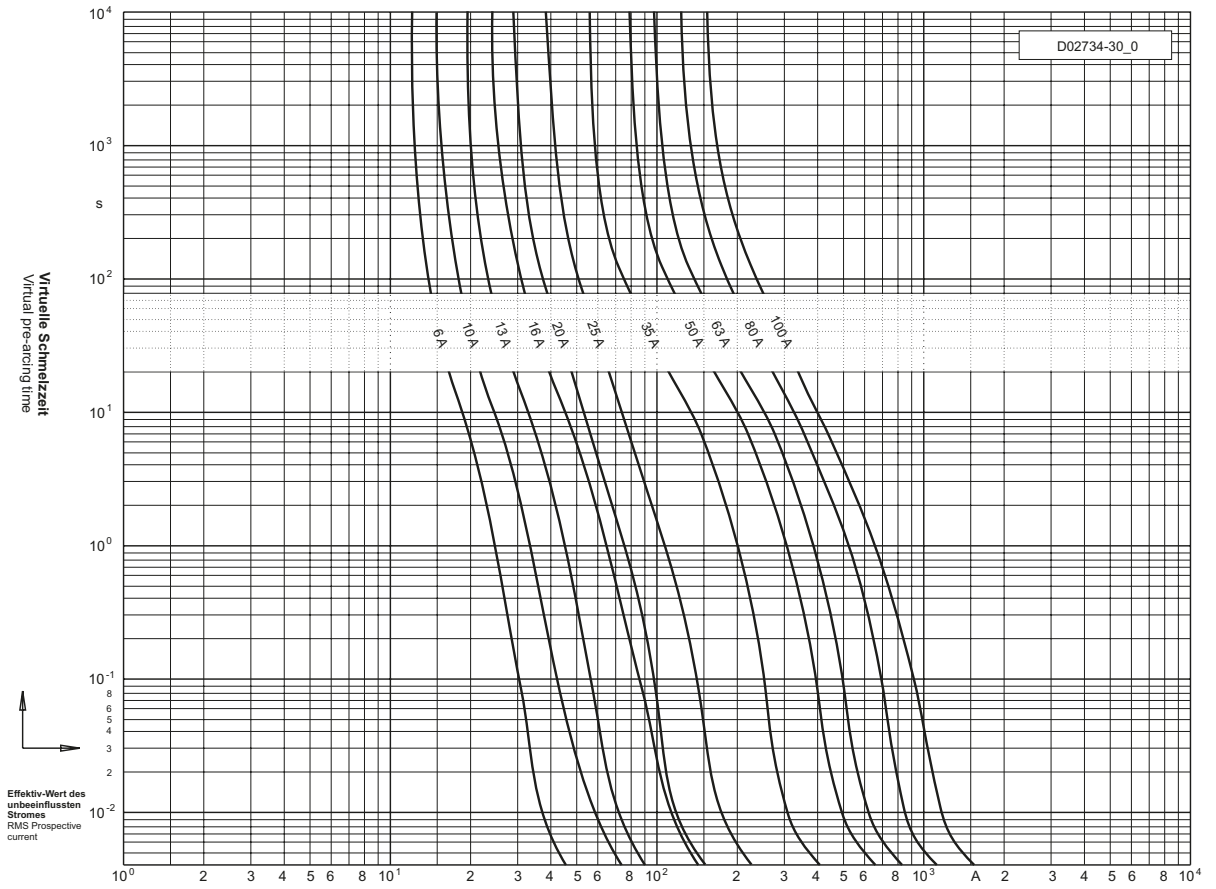
| Bemessungsstrom<br>Rated Current | Artikel Nr.<br>Article No. | Gewicht<br>Weight | Schmelzintegral<br>Pre-Arcing-<br>I <sup>2</sup> t-Value | Ausschaltintegral<br>Total I <sup>2</sup> t-Value |                  | Leistungsabgabe<br>Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|------------------|-------------------------------|
|                                  |                            |                   |  | @ DC 230 V  | @ AC 400 V       |                               |
| A                                |                            | kg / 1            | A <sup>2</sup> s   | A <sup>2</sup> s                                  | A <sup>2</sup> s |                               |
| 2**                              | 10 027 07.2                | 0,01              | 1  | 1,5   | 3,5              | 2,5                           |
| 6                                | 10 027 07.6                | 0,01              | 4  | 6   | 10               | 3,3                           |
| 10                               | 10 027 07.10               | 0,01              | 10   | 15  | 25               | 4,3                           |
| 16                               | 10 027 07.16               | 0,01              | 25   | 40  | 65               | 5,9                           |
| 20                               | 10 028 07.20               | 0,015             | 40   | 60  | 100              | 5,0                           |
| 25                               | 10 028 07.25               | 0,015             | 65   | 100   | 170              | 6,0                           |
| 35                               | 10 028 07.35               | 0,015             | 140  | 240   | 400              | 8,0                           |
| 50                               | 10 028 07.50               | 0,015             | 420  | 900   | 1.500            | 11                            |
| 63                               | 10 028 07.63               | 0,015             | 640  | 1.450   | 2.400            | 15                            |
| 80                               | 10 029 07.80               | 0,04              | 860  | 2.000   | 3.300            | 18                            |
| 100                              | 10 029 07.100              | 0,04              | 1.400  | 3.400   | 5.600            | 22                            |

\*\* Ohne Kennmelder | Without indicator

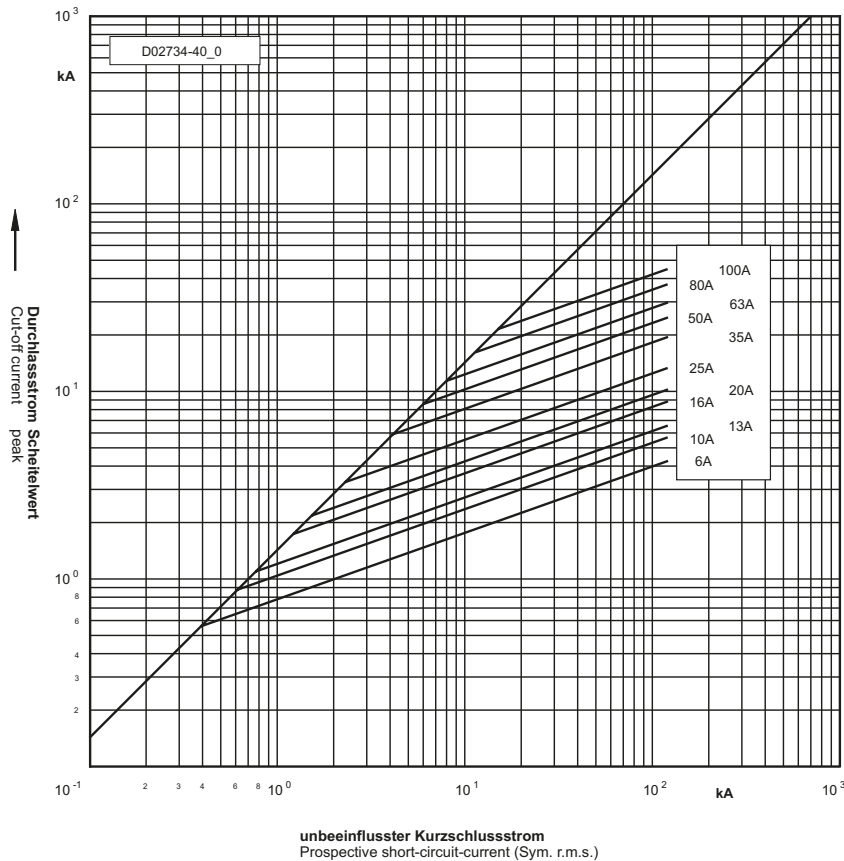
440 V

D 01 - D 03

Zeit/Strom-  
Kennlinien  
Time-current  
characteristics



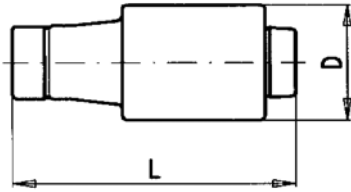
Durchlass-Strom  
Cut-off current



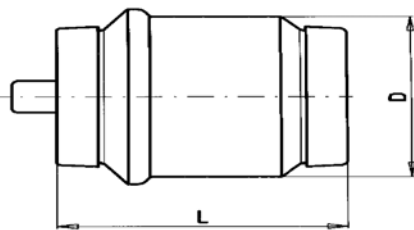
unbeeinflusster Kurzschlussstrom  
Prospective short-circuit-current (Sym. r.m.s.)

**500 V**

**ND / DII / DIII / DIVH / DVH**



10 002 07.  
10 005 07.  
10 007 07.



10 009 07.  
10 010 07.

Verpackungseinheit / Packing unit: 50/25 Stück / 50/25 pieces

Betriebsklasse / Class  
**gR / ≥ 125 A aR**

**IEC 60269-4**  
**DIN VDE 0636-4**

| Bemessungs-<br>spannung<br>Rated Voltage | Artikel Nr.<br>Article No | Größe<br>Size | Gewinde<br>Thread | Bemessungs-<br>strom<br>Rated Current | Länge<br>Length | Durchmesser D<br>Diameter D |
|--|---------------------------|---------------|-------------------|---------------------------------------|-----------------|-----------------------------|
| V  |                           |               |                   | A                                     | mm/inch         | mm/inch                     |
| 500                                      | 10 002 07                 | ND            | E 16              | 2-30                                  | 50/1,97"        | 12,5/0,50"                  |
|  | 10 005 07                 | D II          | E 27              | 2-50                                  | 50/1,97"        | 22/0,87"                    |
|  | 10 007 07                 | D III         | E 33              | 35-63                                 | 50/1,97"        | 27/1,06"                    |
|  | 10 009 07                 | D IV H        | R 1 1/4"          | 80-100                                | 57/2,24"        | 33/1,30"                    |
|  | 10 010 07                 | D V H         | R 2"              | 125-200                               | 57/2,24"        | 46/1,80"                    |

**Bemessungsausschaltvermögen / Rated breaking capacity 100 kA**

| Bemessungsstrom<br>Rated Current | Artikel Nr.<br>Article No. |              | Gewicht<br>Weight | Schmelzintegral<br>Pre-Arcing-<br>I <sup>2</sup> t-Value | Ausschaltintegral<br>Total I <sup>2</sup> t-Value |                  | Leistungs-<br>abgabe*<br>Power Loss |
|----------------------------------|----------------------------|--------------|-------------------|--|---|------------------|-------------------------------------|
|                                  |                            |              |                   |  | @ DC 230 V  | @ AC 400 V       |                                     |
|                                  | A                          |              |                   |  | A <sup>2</sup> s                                  | A <sup>2</sup> s |                                     |
| 2**                              | 10 002 07.2                | 10 005 07.2  | 0,01/0,03         | 1  | 1,5   | 2                | 1,8                                 |
| 4**                              | 10 002 07.4                | 10 005 07.4  | 0,01/0,03         | 4  | 6   | 8                | 3,1                                 |
| 6                                | 10 002 07.6                | 10 005 07.6  | 0,01/0,03         | 6  | 8   | 11               | 4                                   |
| 10                               | 10 002 07.10               | 10 005 07.10 | 0,01/0,03         | 13   | 17  | 25               | 6                                   |
| 16                               | 10 002 07.16               | 10 005 07.16 | 0,01/0,03         | 26   | 40  | 55               | 7                                   |
| 20                               | 10 002 07.20               | 10 005 07.20 | 0,01/0,03         | 45   | 70  | 100              | 8                                   |
| 25                               | 10 002 07.25               | 10 005 07.25 | 0,02/0,03         | 75   | 115   | 170              | 10                                  |
| 30                               | 10 002 07.30               | 10 005 07.30 | 0,02/0,03         | 125  | 205   | 300              | 12                                  |
| 35                               | 10 007 07.35               | -            | 0,05              | 185  | 290   | 425              | 13                                  |
| 50                               | 10 007 07.50               | -            | 0,05              | 430  | 750   | 1.160            | 16                                  |
| 63                               | 10 007 07.63               | -            | 0,05              | 670  | 1.260   | 1.850            | 19                                  |
| 80                               | 10 009 07.80               | -            | 0,11              | 800  | 1.500   | 2.300            | 33                                  |
| 100                              | 10 009 07.100              | -            | 0,11              | 1.400  | 2.700   | 4.500            | 42                                  |
| 125                              | 10 010 07.125              | -            | 0,23              | 3.400  | 6.500   | 11.200           | 32                                  |
| 160                              | 10 010 07.160              | -            | 0,23              | 6.800  | 13.000  | 23.100           | 43                                  |
| 200                              | 10 010 07.200              | -            | 0,23              | 10.000   | 19.000  | 35.000           | 56                                  |

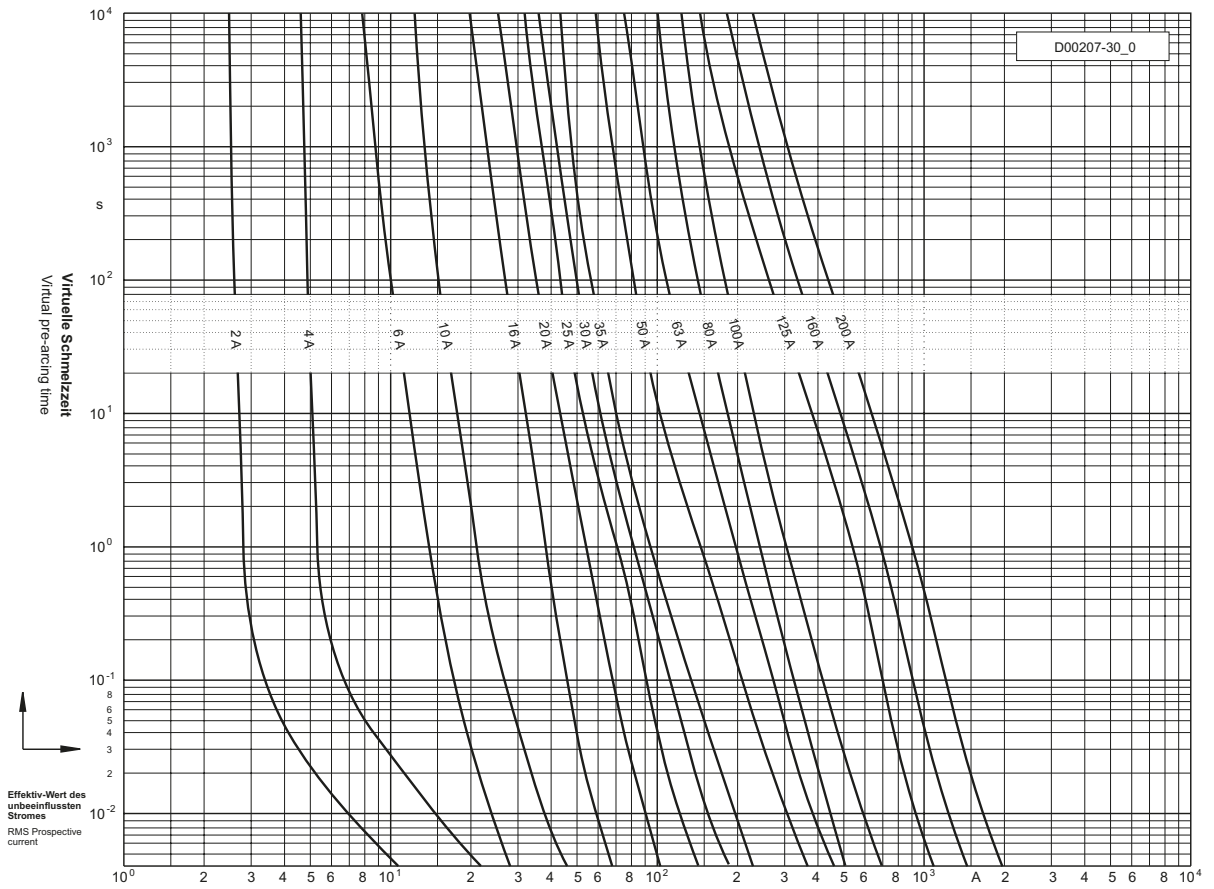
\* Grenzleistungsaufnahme des Sicherungshalters beachten | Power acceptance of fuse-holder has to be observed

\*\* Ohne Kennmelder | Without indicator

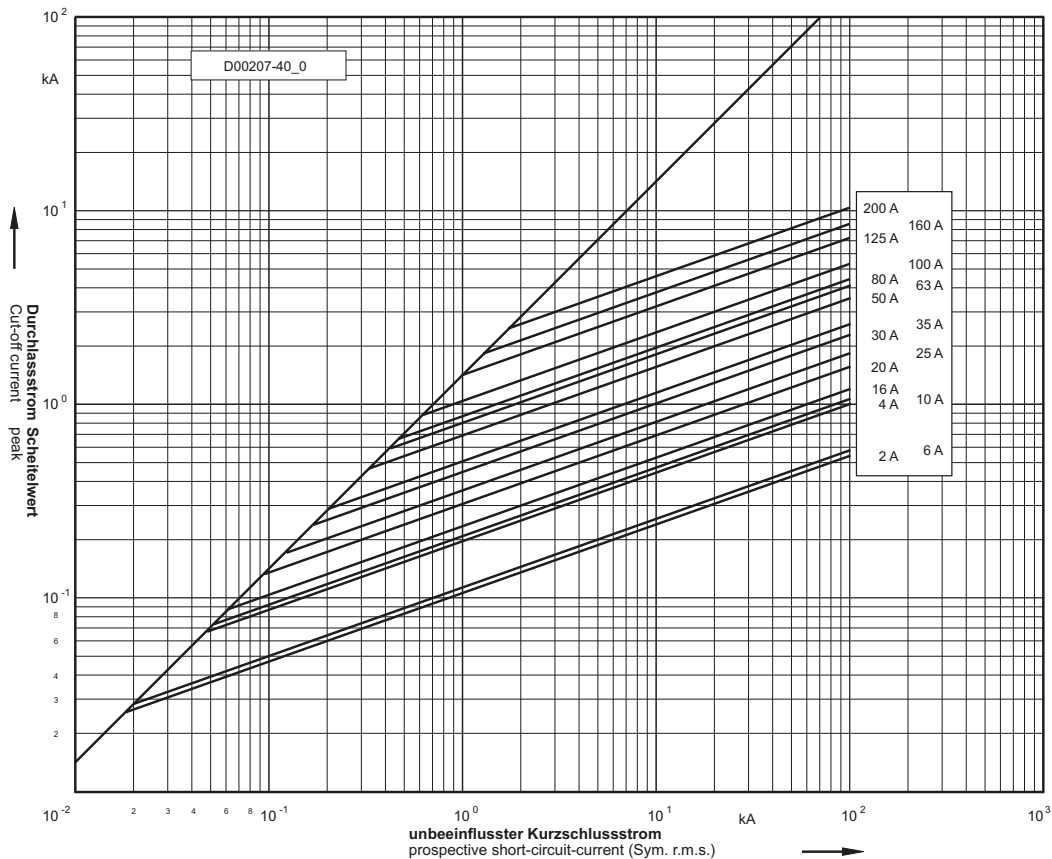
**500 V**

**ND / DII / DIII / DIVH / DVH**

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

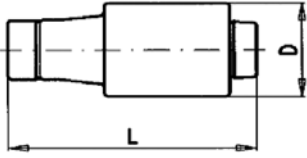


**Durchlass-Strom**  
Cut-off current

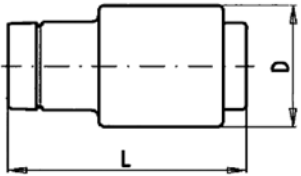


**500 V**

**DII / DIII**



D II



D III

Verpackungseinheit / Packing unit: 5 Stück / 5 pieces

Betriebsklasse / Class  
**gRL (gS)**

**IEC 60269-4**  
**DIN VDE 0636-4**

| Bemessungs-<br>spannung<br>Rated Voltage | Artikel Nr.<br>Article No | Größe<br>Size | Gewinde<br>Thread | Bemessungs-<br>strom<br>Rated Current | Länge<br>Length | Durchmesser D<br>Diameter D |
|--|---------------------------|---------------|-------------------|---------------------------------------|-----------------|-----------------------------|
| V  |                           |               |                   | A                                     | mm              | mm                          |
| 500                                      | 10 005 34                 | D II          | E 27              | 6-30                                  | 50/1,97"        | 22/0,87"                    |
|  | 10 007 34                 | D III         | E 33              | 35-63                                 | 50/1,97"        | 27/1,06"                    |

Bemessungsausschaltvermögen / Rated breaking capacity 120 kA

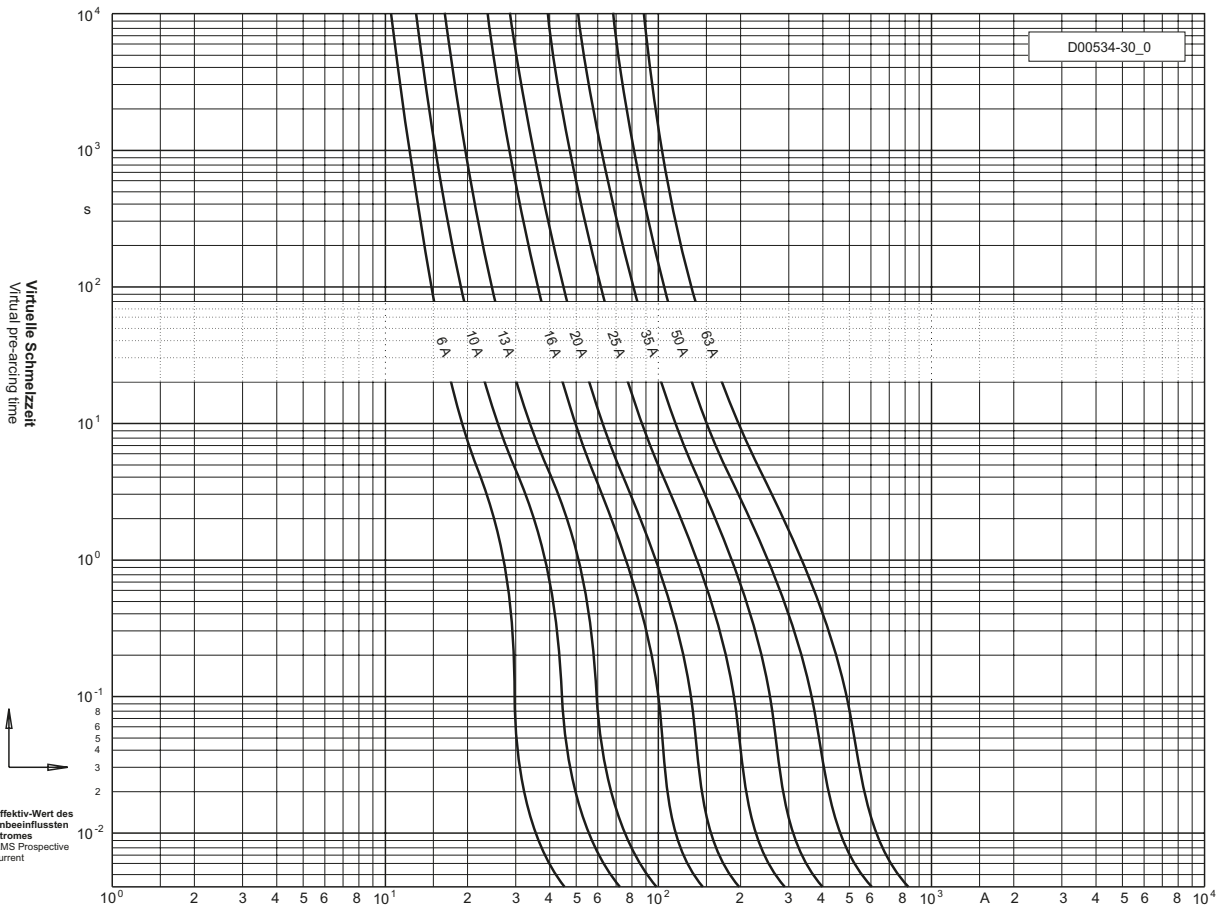
| Bemessungsstrom<br>Rated Current | Artikel Nr.<br>Article No. | Gewicht<br>Weight | Schmelzintegral<br>Pre-Arcing-<br>I <sup>2</sup> t-Value | Ausschaltintegral<br>Total I <sup>2</sup> t-Value<br>@ AC 500 V | Leistungsabgabe*<br>Power Loss |
|----------------------------------|----------------------------|-------------------|--|---|--------------------------------|
| A                                |                            | kg / 1            | A <sup>2</sup> s   | A <sup>2</sup> s  |                                |
| 6                                | 10 005 34.6                | 0,035             | 3,0  | 60  | 0,8                            |
| 10                               | 10 005 34.10               | 0,035             | 7,4  | 150   | 1,6                            |
| 16                               | 10 005 34.16               | 0,035             | 13   | 260   | 2,4                            |
| 20                               | 10 005 34.20               | 0,035             | 30   | 600   | 2,4                            |
| 25                               | 10 005 34.25               | 0,035             | 52   | 1.040   | 2,9                            |
| 30                               | 10 005 34.30               | 0,035             | 120  | 2.400   | 2,9                            |
| 35                               | 10 007 34.35               | 0,05              | 330  | 3.300   | 4,0                            |
| 50                               | 10 007 34.50               | 0,05              | 740  | 7.400   | 6,0                            |
| 63                               | 10 007 34.63               | 0,05              | 1.300  | 13.000  | 7,0                            |

\* Grenzleistungsaufnahme des Sicherungshalters beachten | Power acceptance of fuse-holder has to be observed



**500 V** **DII / DIII**

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



**Durchlass-Strom**  
Cut-off current

