

Fuse NH-DIN3-DIN3C 500V (gG)



DIN 3 C 1301.0408



DIN 3 1301.2899

See below:  
[Approvals and Compliances](#)

**Description**

- According to IEC 269
- According VDE 0636
- Selectivity 1:1.6
- Removal tags energized

**Unique Selling Proposition**

- Characteristic gG
- Full-range fuse-links for general applications

**Weblinks**

[pdf data sheet](#), [html datasheet](#), [Detailed request for product](#)

**Technical Data**

|                                    |           |
|------------------------------------|-----------|
| Rated Current In                   | 160- 630A |
| Rated Voltage                      | 500VAC    |
| Breaking Capacity                  | 120kA     |
| Rated Power Operating Frequency fe | 50Hz      |

|                           |  |
|---------------------------|--|
| Contact blade             | Full contact blades, Cu silvered                 |
| Characteristic resistance | even with alternating load; nonaging to VDE 0636 |
| Indicator                 | Combi indicator                                  |

**Basic Design**

|                  |                                 |
|------------------|---------------------------------|
| Insulator        | Ceramics                        |
| Metal components | corrosion-resistant (rustproof) |

**Power Dissipation (Watt) operating temperature max.**

The power dissipation is the so called power loss at rated current load and operation temperature acc. VDE 0636 . It is to be measured in Watt at AC condition. The voltage tap is to be assured that the power dissipation of the blade contacts are included. This means the measure contact need to be applied at the ends of the blade contacts. The standard VDE 0636 part 1 and 2 requires that following maximal permissible power losses are not exceeded.

**Approvals and Compliances**

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)

**Approvals**

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type:

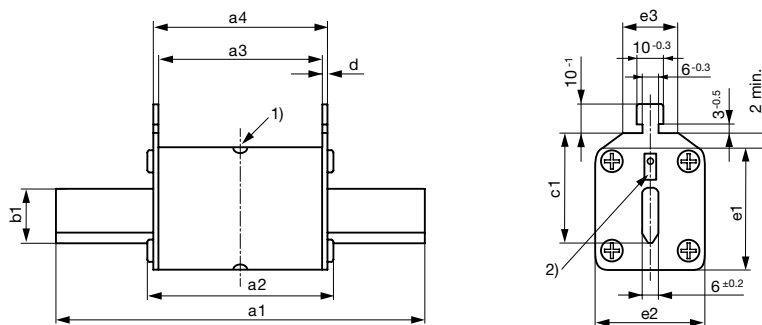
| Approval Logo | Certificates                  | Certification Body | Description                      |
|---------------|-------------------------------|--------------------|----------------------------------|
|               | <a href="#">VDE Approvals</a> | VDE                | VDE Certificate Number: 40052744 |

**Compliances**

The product complies with following Guide Lines

| Identification | Details               | Initiator   | Description   |
|----------------|-----------------------|-------------|---|
|                | <a href="#">REACH</a> | SCHURTER AG | On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force. |

## Dimensions [mm]

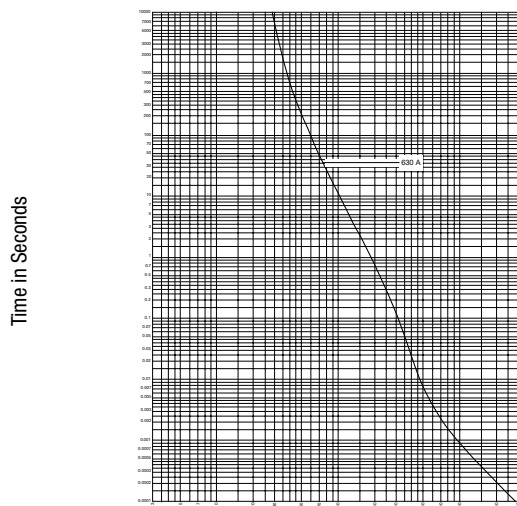


| DIN | a1       | a2     | a3      | a4      | b1      | c1      | d             | e1 | e2       | e3       |
|-----|----------|--------|---------|---------|---------|---------|---------------|----|----------|----------|
| 3   | 150 ±2,5 | 75 -10 | 62 ±2,5 | 68 ±2,5 | 32 +0,2 | 60 ±0,8 | 2,5 +1,5/-0,5 | 72 | 72 -2,8  | 20 +5/-2 |
| 3C  | 150 ±2,5 | 75 -10 | 62 ±2,5 | 68 ±2,5 | 25 +0,2 | 60 ±0,8 | 2,5 +1,5/-0,5 | 59 | 50 ±0,70 | 20 +5/-2 |

- 1) Centre indicator
- 2) Flat indicator

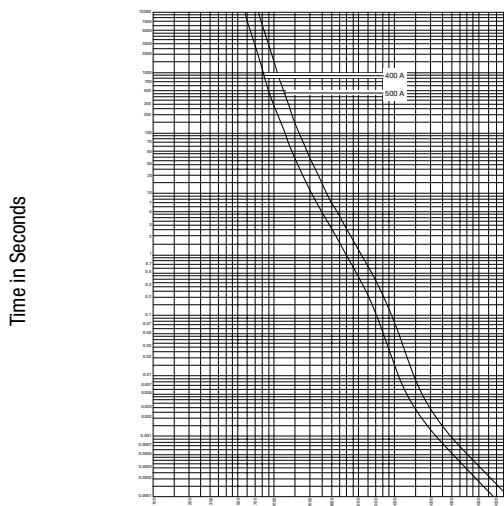
## Time-Current-Curves

DIN3 630 A, 500V



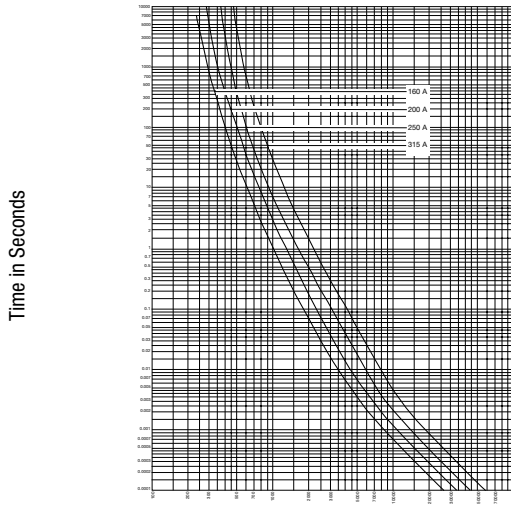
Effective value of the melting current (A) + - 8%

DIN3 400 - 500 A, 500V



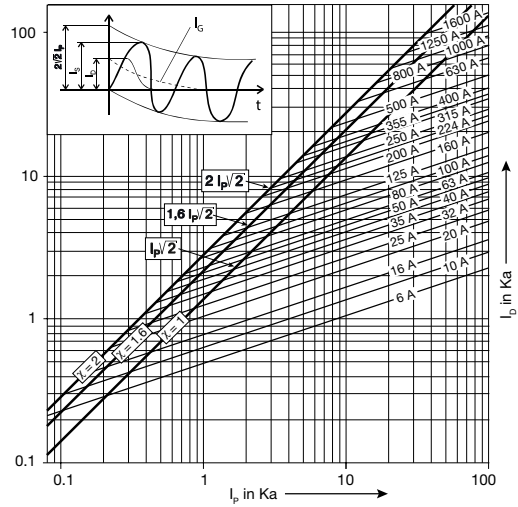
Effective value of the melting current (A) + - 8%

DIN3 160 - 315 A, 500V



Effective value of the melting current (A) + - 8%

Current limiting diagram



The prospective short circuit current is the value of the current, that would flow if there was no protection in the circuit.

- ID Let-through current
- IG Value of DC component
- IP Prospective short-circuit current
- IS Short-circuit peak current
- X Factor (X=2 für cosφ=0, X=1 für cosφ=1)

All Variants

| Rated current<br>[A] | Style<br>[Compact] | Power Loss<br>[W] | Order Number | E-No.     |
|----------------------|--------------------|-------------------|--------------|-----------|
| 160                  | C                  | 15.0              | 3-110-438    | 1)        |
| 200                  | C                  | 18.5              | 3-110-439    | 1)        |
| 250                  | C                  | 21.1              | 3-110-440    | -         |
| 315                  | C                  | 25.0              | 1301.0408    | 840503289 |
| 400                  | C                  | 34.0              | 1301.0410    | 840503309 |
| 500                  | -                  | 43.0              | 1301.2898    | 840103319 |
| 630                  | -                  | 43.1              | 1301.2899    | 840103339 |

1) without VDE approvals

Most Popular.

Availability for all products can be searched real-time: <https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

Packaging unit

3 Pcs