**Neozed, Diazed og NH sikringer**

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| *En 10 A neozed sikring til venstre og en diazed sikring til højre, også på 10 A. Diazed sikringer er generelt fysisk større end neozed sikringer ved samme mærkestrøm og ses typisk i ældre installationer.* |

**D typen sikringer**

D-type (Diazed) [[ 3 ]](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/IEC_60269&usg=ALkJrhgso7_Jf6c25rG6sz_8A6T250ZcUQ#cite_note-3) fuse cartridges have a bottle-shaped ceramic body with metal end caps and are fitted in screw-in fuse holders. D-type (Diazed) [[3]](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/IEC_60269&usg=ALkJrhgso7_Jf6c25rG6sz_8A6T250ZcUQ#cite_note-3) fuse patroner har en flaske-formet keramisk legeme med metal endestykker og monteret skrue-i sikringsholdere. They are available in five different body sizes, with ratings from 2 A up to 200 A (see table). De fås i fem forskellige organ størrelser, med vurderinger fra 2 A op til 200 A (se tabel). The designation of a size consists of the letter *D* and a Roman numeral. Udpegningen af en størrelse består af bogstavet *D* og et romertal. Higher-voltage types rated up to 750 V have increased clearance distances and are longer than lower-voltage-rated fuses. Højere spænding typer vurderet op til 750 V har øget clearance afstande og er længere end lavere spænding-rated sikringer.



DIAZED fuse element D II (right) and screw cap DIAZED sikring element D II (til højre) og skruelåg

D0-type (Neozed) fuses are similar but have a smaller, cylindrical body. D0-type (Neozed) sikringer er ens, men har en mindre, cylindrisk krop. They are available in three different sizes with ratings from 2 A up to 100 A (see table). De fås i tre forskellige størrelser med vurderinger fra 2 A op til 100 A (se tabel).

In some jurisdictions, [ [*which?*](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Wikipedia:Avoid_weasel_words&usg=ALkJrhhZj7LJGAXw5jh5SWhua18u5zqExQ) ] replacement of the fuse cartridge by unskilled personnel is allowed only for fuses up to a certain maximum rating. I visse jurisdiktioner, [ [*hvilke?*](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Wikipedia:Avoid_weasel_words&usg=ALkJrhhZj7LJGAXw5jh5SWhua18u5zqExQ) ] udskiftning af sikringen patron ved ufaglærte personale er kun tilladt for sikringer op til en vis maksimal rating. If the fuse cartridge is inserted into the socket without the cap, a shock hazard exists. Hvis sikringen patronen er indsat i fatningen uden hætte, eksisterer der et stød.

Fuseholders may be secured by screws to a panel, attached to bus bars, or mounted on DIN rails. Sikringsholdere kan fastgøres med skruer til et panel, der er knyttet til strømskinner, eller monteres på DIN-skinner. For the Neozed fuses, there are also fuse bases with integrated disconnecting switches. For Neozed sikringer, er der også sokler med integrerede frakobler switche. Changing fuses with the circuit off increases the safety of the user. Ændring sikringer med kredsløbet off øger sikkerheden for brugeren. With new versions of these load disconnecting switches, the fuse cartridges are no longer screwed, but are held by spring clips. Med de nye versioner af disse belastning frakobling afbrydere, sikringen patroner er ikke længere skruet, men ejes af fjederklemmer.

Traditional diazed fuse holders are made as a conducting metal envelope covered with non-conducting porcelain cover. Traditionelle DIAZED sikringsholdere er lavet som et ledende metal kuvert dækket med ikke-ledende porcelæn cover. Under mechanical stress it is possible for the cover to crack partially or fully, uncovering the conducting element. Under mekanisk stress, er det muligt for låget at knække delvist eller fuldt afdække den ledende element. It may happen if a fuse holder was accidentally dropped or someone was using too much force to screw it in. Uncovered metal envelopes present a serious risk of shock and should be replaced immediately under extreme precautions by trained personnel. Det kan ske, hvis en sikringsholder uheld blev tabt eller nogen var at bruge for meget kraft for at skrue den i. Uncovered metal konvolutter udgør en alvorlig risiko for chok og bør straks udskiftes under ekstreme forholdsregler ved uddannet personale.

The smaller end cap (the "top" of the bottle) has a diameter that varies with the fuse rating: higher ratings have wider end caps. Den mindre endedæksel ("toppen" af flasken) har en diameter, der varierer med sikring bedømmelse: højere ratings har bredere endestykker. The fixed part of the fuse holder contains a (usually colour-coded) gauge ring, which will accept end caps up to a certain diameter. Den faste del af sikringsholderen indeholder en (sædvanligvis farvekodet) gauge ring, som vil acceptere endehætter op til en bestemt diameter. It is therefore not possible to fit a fuse of a higher rating than allowed for by the gauge ring. Det er derfor ikke muligt at montere en sikring af en højere rating end tilladt ved måleren ringen. The size of the gauge ring is determined by the current rating of the circuit to be protected. Størrelsen af ​​profilet ring er bestemt af den aktuelle vurdering af kredsløbet, der skal beskyttes. Gauge rings are intended to be changed only by authorized personnel. Gauge ringe er beregnet til kun ændres af autoriseret personale.

The larger end cap (the "bottom" of the bottle) has at its centre a small spring-loaded button retained by a thin wire, which serves as a "fuse blown" indicator. Den større ende hætte ("bunden" af flasken) har ved sin midte en lille fjederbelastet knap tilbageholdes af en tynd tråd, der tjener som en "sprunget" indikator. When the fuse blows, the wire breaks and the indicator button is ejected by the [spring](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Spring_(device)&usg=ALkJrhhdYzDWy0mCY-NpsebIJjmscz_-lQ) . Når sikringen springer, er ledningsbrud og knappen indikator udstødes af [foråret](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Spring_(device)&usg=ALkJrhhdYzDWy0mCY-NpsebIJjmscz_-lQ) . A missing or displaced indicator thus pinpoints a blown fuse. En manglende eller forskudt indikator peger således en sprunget sikring. The removable part of the fuse holder has a small window to allow inspection of the indicator without removal of the fuse. Den aftagelige del af sikringsholderen har et lille vindue for at tillade inspektion af indikatoren uden fjernelse af sikringen. The indicator button usually has a coloured dot indicating the fuse rating (see table). Knappen indikator normalt har en farvet prik angiver sikringsstørrelse (se tabel).

D- and D0-type fuses are used for protection of circuits up to 500 V AC in residential and commercial installations, and occasionally for the protection of electric motors. D- og D0-type sikringer anvendes til beskyttelse af kredsløb på op til 500 V AC i bolig- og kommercielle installationer, og lejlighedsvis til beskyttelse af elektriske motorer. The most common operating class is gG (general purpose, formerly gL), but other classes are available. Den mest almindelige operativsystem klasse er gG (generelle formål, tidligere gL), men andre klasser er tilgængelige. A gG class fuse will typically blow within 2–5 seconds at five times the rated current, and within 0.1–0.2 seconds at ten times the rated current. A gG klasse sikring vil typisk blæse inden for 2-5 sekunder ved fem gange den nominelle strøm, og inden for 0,1-0,2 sekunder ved ti gange den nominelle strøm.

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| **2 A 2 A**  | **4 A 4 A**  | **6 A 6 A**  | **10 A 10 A**  | **13 A 13 A**  | **16 A 16 A**  | **20 A 20 A**  | **25 A 25 A**  |
|   Pink Pink  |   Brown Brown  |   Green Grøn  |   Red Rød  |   Black Sort  |   Grey Grå  |   Blue Blå  |   Yellow Gul  |
| **32 A 32 A**  | **35 A 35 A**  | **40 A 40 A**  | **50 A 50 A**  | **63 A 63 A**  | **80 A 80 A**  | **100 A 100 A**  |  |
|   Black Sort  |   Black Sort  |   Black Sort  |   White Hvid  |   Copper Kobber  |   Silver Sølv  |   Red Rød  |  |

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| --- | --- | --- |
| **125 A 125 A**  | **160 A 160 A**  | **200 A 200 A**  |
|   Yellow Gul  |   Copper Kobber  |   Blue Blå  |

**D-system (DIAZED) [** [**edit**](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DIEC_60269%26action%3Dedit%26section%3D3&usg=ALkJrhgLUDOkjOwPERh6sY4E0cuAZQam0A) **] D-systemet (DIAZED)**



D III fuses 50 A, 35 A D III sikringer 50 A, 35 A
D II fuses 25 A, 20 A, 16 A D II sikringer 25 A, 20 A, 16 A

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| **Size Størrelse**  | **Designated current Udpeget strøm**  | **Thread Tråd**  |
| D I (Swiss) D I (Swiss)  | 2 A, 4 A, 6 A, 10 A, 16 A 2 A, 4 A, 6 A, 10 A, 16 A  | SE21 SE21  |
| D I (NDz) D I (NDZ)  | 2 A, 4 A, 6 A, 10 A, 16 A, 20 A, 25 A 2 A, 4 A, 6 A, 10 A, 16 A, 20 A, 25 A  | E16 E16  |
| D II D II  | 2 A, 4 A, 6 A, 10 A, 13 A, 16 A, 20 A, 25 A 2 A, 4 A, 6 A, 10 A, 13 A, 16 A, 20 A, 25 A  | E27 E27  |
| D III D III  | 35 A, 40 A, 50 A, 63 A 35 A, 40 A, 50 A, 63 A  | E33 E33  |
| D IV D IV  | 80 A, 100 A 80 A, 100 A  | G 1¼″ G 1¼ "  |
| D V D V  | 125 A, 160 A, 200 A 125 A, 160 A, 200 A  | G 2″ G 2 "  |

* The sizes D IV and D V are rarely used Størrelserne D IV og D V bruges sjældent
* D I and D V are not part of IEC 60269 (meet outdated national standards) D I og D V er ikke en del af IEC 60269 (mødes forældede nationale standarder)



D01 fuse cartridge 16A (Neozed) D01 sikring patron 16A (Neozed)



Neozed Fuse block for [3-phase](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Three-phase&usg=ALkJrhjF7BNS3XkgyK3kOxavAKCBxjN01A) [AC](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Alternating_current&usg=ALkJrhhQFIUp0-sxaHQ7jXRWBNLALDtjvA) Neozed Fuse blokken for [3-faset](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Three-phase&usg=ALkJrhjF7BNS3XkgyK3kOxavAKCBxjN01A) [AC](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Alternating_current&usg=ALkJrhhQFIUp0-sxaHQ7jXRWBNLALDtjvA)

**D0-System (NEOZED) [** [**edit**](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DIEC_60269%26action%3Dedit%26section%3D4&usg=ALkJrhirFOFIs45aOAQgyTwc70-B6ihg8Q) **] D0-System (Neozed)**

Fuses of the D0 system (read as *D zero* ) or NEOZED are smaller than the DIAZED fuses. Sikringer af D0-system (læses som *D nul)* eller Neozed er mindre end de DIAZED sikringer. NEOZED fuses are divided into three sizes. Neozed sikringer er opdelt i tre størrelser.

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| **Size Størrelse**  | **Rated current Mærkestrøm**  | **Thread Tråd**  |
| D01 D01  | 2 A, 4 A, 6 A, 10 A, 13 A, 16 A 2 A, 4 A, 6 A, 10 A, 13 A, 16 A  | E14 E14  |
| D02 D02  | 20 A, 25 A, 32 A, 35 A, 40 A, 50 A, 63 A 20 A, 25 A, 32 A, 35 A, 40 A, 50 A, 63 A  | E18 E18  |
| D03 D03  | 80 A, 100 A 80 A, 100 A  | M 30 × 2 M 30 × 2  |

The D03 size is used very rarely, because with these high currents NH fuses have proven to be more reliable. Den D03 størrelse bruges meget sjældent, fordi med disse høje strømme NH sikringer har vist sig at være mere pålidelige. In circuits with a high short-circuit current level, D-fuses cannot be used and type NH fuses are used instead. I kredsløb med en høj kortslutningsstrøm niveau, kan D-sikringer ikke anvendes og skriv NH sikringer benyttes i stedet.

**NH-fuses [** [**edit**](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DIEC_60269%26action%3Dedit%26section%3D5&usg=ALkJrhhkZABbw8hbTgIFEyOwxBFXlQHjTw) **] NH-sikringer**



An NH fuse rated 250 A with alarm unit En NH sikring bedømt 250 A med alarmenheden

NH fuses [[ 4 ]](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/IEC_60269&usg=ALkJrhgso7_Jf6c25rG6sz_8A6T250ZcUQ#cite_note-4) have a square or oblong body and blade-style terminals. NH sikringer [[4]](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/IEC_60269&usg=ALkJrhgso7_Jf6c25rG6sz_8A6T250ZcUQ#cite_note-4) har et firkantet eller aflange krop og blad-stil terminaler. These fuses are larger and have higher ratings than the screw type fuses, up to 1.25 kA. Disse sikringer er større og har højere ratings end skrue typen sikringer, op til 1,25 kA. NH fuses are widespread in industrial plants as well as in public [mains electricity](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Mains_electricity&usg=ALkJrhiLZZXl7iWu05xhixTpZJEqkPnOHQ) applications, eg, in [electrical substations](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Electrical_substation&usg=ALkJrhjpF3ohF0i97BDYzcGxfwMvRBWDEw) and [electrical distribution boards](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Distribution_board&usg=ALkJrhiN90D7nO75U1_jUogf8nINgomgug) , or in [house junction boxes](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Junction_box&usg=ALkJrhi3LBfHZLfgjeFwuZ-jQO6pUxXC6A) in buildings. NH sikringer er udbredt i industrielle anlæg samt i offentlige [spændingsforsyning](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Mains_electricity&usg=ALkJrhiLZZXl7iWu05xhixTpZJEqkPnOHQ) applikationer, fx i [elskabe](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Electrical_substation&usg=ALkJrhjpF3ohF0i97BDYzcGxfwMvRBWDEw) og [elektriske fordelingstavler](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Distribution_board&usg=ALkJrhiN90D7nO75U1_jUogf8nINgomgug) eller i [hus forgreningsdåser](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Junction_box&usg=ALkJrhi3LBfHZLfgjeFwuZ-jQO6pUxXC6A) i bygninger.

NH fuses can be changed with power on the circuit, but this requires special training, special tools, and personal protective equipment. NH sikringer kan ændres med strøm på kredsløbet, men det kræver en særlig uddannelse, specialværktøj og personlige værnemidler. An isolation protection mat and isolating gloves may be necessary. En isolation beskyttelse måtten og isolerende handsker kan være nødvendig. Pulling any fuse cartridge under load can cause an [electric arc](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Electric_arc&usg=ALkJrhig6PumznF-lrZHVtPo8XZo9D2kWQ) , which may cause serious and fatal injuries without protection equipment. *NH disconnecting switches* facilitate the safety of cartridge replacement. Trække nogen sikring patron under belastning kan forårsage en [elektrisk lysbue](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/wiki/Electric_arc&usg=ALkJrhig6PumznF-lrZHVtPo8XZo9D2kWQ) , som kan forårsage alvorlige og dødelige kvæstelser uden værnemidler. *NH Frakobling switches* letter sikkerhed for erstatning patron.

NH fuses are manufactured in several current rating ranges. NH sikringer er fremstillet i flere af de nuværende vurdering intervaller.

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| **Size Størrelse**  | **Current range (A) Strømområdet (A)**  | **Approx. Ca. blade length (mm) bladlængde (mm)**  |
| 00/000 00/000  | 6–160 6-160  | 78 78  |
| 0 0  | 6–160 6-160  | 125 125  |
| 1 1  | 80–250 80-250  | 135 135  |
| 2 2  | 125–400 125-400  | 150 150  |
| 3 3  | 315–630 315-630  | 150 150  |
| 4 4  | 500–1,000 500-1.000  | 200 200  |
| 4a 4a  | 500–1,250 500-1,250  | 200 200  |

**British domestic fuses [** [**edit**](http://translate.googleusercontent.com/translate_c?depth=1&hl=da&prev=/search%3Fq%3Dhttp://en.wikipedia.org/wiki/IEC_60269%26biw%3D1231%26bih%3D582&rurl=translate.google.dk&sl=en&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DIEC_60269%26action%3Dedit%26section%3D6&usg=ALkJrhgsEjgt1cXWq5AAZGd0VM6c2hudNw) **]**

