

# FUSES / SICHERUNGEN

NON RESETTABLE / NICHT RÜCKSTELLEND

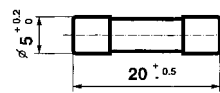
5 x 20 mm

## Miniature fuse-links Type D1TD

super-time-lag  
low breaking capacity  
Glass tube

## G-Sicherungseinsätze Typ D1TD

superträge  
kleines Ausschaltvermögen  
Glasrohr



### Standards / Normen

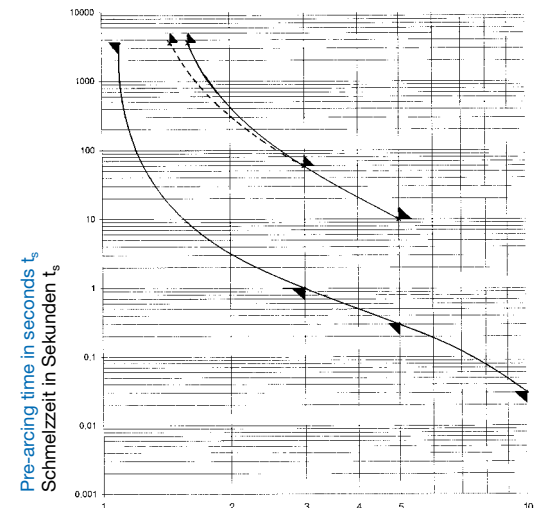
NF C 93-435 · Model HA20

### Approvals / Approbationen

 Qualification approval certificate of quality (CCQ) /

Qualitätszertifikat (CCQ)

Lists / Listen: GAMT1, NNO

 UL Recognition, 125 V AC/DC

Multiple of rated current  $I_n$   
Vielfaches des Nennstromes  $I_n$ 

### Pre-arcing time/current characteristic (at $T_a$ 23 °C)

### Zeit-Strom-Charakteristik (bei $T_u$ 23 °C)

| $n \cdot I_n$                            | $1,1 \cdot I_n$ | $1,45 \cdot I_n$ | $1,6 \cdot I_n$ | $3 \cdot I_n$ | $5 \cdot I_n$ | $10 \cdot I_n$ |
|------------------------------------------|-----------------|------------------|-----------------|---------------|---------------|----------------|
| Rated current $I_n$ /<br>Nennstrom $I_n$ | min.            | max.             | max.            | min.          | max.          | min.           |
| 0,031 – 1,25 A                           | 1 h             | 1 h              |                 | 1 s           | 60 s          | 0,3 s          |
| 1,6 – 15 A                               | 1 h             |                  | 1 h             | 1 s           | 60 s          | 0,3 s          |

### Technical data

Weight 1,4 g  
Climatic range 40 / 070 / 21 (565)  
Vibrations NF C 20-706 / IEC 60068-2-6  
10-55 Hz / 0,35 mm / 5 cycles  
Shocks NF C 20-727 / IEC 60068-2-27, 50 g  
Salt mist NF C 20-711 / IEC 60068-2-11, 96 h

### Technische Daten

Gewicht 1,4 g  
Klimakategorie 40 / 070 / 21 (565)  
Vibrationsbeständigkeit NF C 20-706 / IEC 60068-2-6  
10-55 Hz / 0,35 mm / 5 Perioden  
Schockbeständigkeit NF C 20-727 / IEC 60068-2-27, 50 g  
Salznebel NF C 20-711 / IEC 60068-2-11, 96 h

| Order No. /<br>Bestell-Nr. | Rated current $I_n$ /<br>Rated voltage $U_n$ /<br>Nennstrom $I_n$ /<br>Nennspannung $U_n$ | Breaking capacity<br>Ausschaltvermögen           | Voltage drop /<br>according to /<br>Spannungsfall<br>at / bei $1,1 \cdot I_n$<br>max. | Sustained<br>power dissipation /<br>Verlustleistung<br>at / bei $1,1 \cdot I_n$<br>max. | Pre-arcing<br>$I^2t$ /<br>Schmelz $I^2t$<br>at / bei<br>$10 \cdot I_n$ | Approvals /<br>Approba-<br>tionen |
|----------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------|
|                            |                                                                                           | CCQ                                              | UL                                                                                    | mV                                                                                      | W                                                                      | CCQ<br>NNO<br>GAMT1<br>UL (125 V) |
| 7030.3110                  | 0,031 A / 220 V*                                                                          | 60 A / 220 V AC,<br>p.f. / cos $\varphi$ 1       | 4000 A /<br>125 V AC/DC<br>p.f. / cos $\varphi$ 0,9<br>L/R = 5 ms                     | 3850                                                                                    | 0,145                                                                  | 7,9 · 10 <sup>-2</sup>            |
| 7030.3120                  | 0,040 A / 220 V*                                                                          |                                                  |                                                                                       | 3150                                                                                    | 0,155                                                                  | 2 · 10 <sup>-1</sup>              |
| 7030.3130                  | 0,050 A / 220 V                                                                           |                                                  |                                                                                       | 2600                                                                                    | 0,160                                                                  | 2,2 · 10 <sup>-1</sup>            |
| 7030.3140                  | 0,063 A / 220 V                                                                           |                                                  |                                                                                       | 2000                                                                                    | 0,155                                                                  | 3,5 · 10 <sup>-1</sup>            |
| 7030.3150                  | 0,080 A / 220 V                                                                           |                                                  |                                                                                       | 1850                                                                                    | 0,180                                                                  | 2,6 · 10 <sup>-1</sup>            |
| 7030.3210                  | 0,100 A / 220 V                                                                           |                                                  |                                                                                       | 1600                                                                                    | 0,190                                                                  | 2,8 · 10 <sup>-2</sup>            |
| 7030.3220                  | 0,125 A / 220 V                                                                           |                                                  |                                                                                       | 2000                                                                                    | 0,300                                                                  | 6,1 · 10 <sup>-1</sup>            |
| 7030.3230                  | 0,160 A / 220 V                                                                           |                                                  |                                                                                       | 745                                                                                     | 0,150                                                                  | 2 · 10 <sup>-1</sup>              |
| 7030.3240                  | 0,200 A / 220 V                                                                           |                                                  |                                                                                       | 715                                                                                     | 0,180                                                                  | 3,9 · 10 <sup>-1</sup>            |
| 7030.3250                  | 0,250 A / 220 V                                                                           |                                                  |                                                                                       | 480                                                                                     | 0,150                                                                  | 4 · 10 <sup>-1</sup>              |
| 7030.3260                  | 0,310 A / 220 V                                                                           |                                                  |                                                                                       | 870                                                                                     | 0,340                                                                  | 2,1 · 10 <sup>-1</sup>            |
| 7030.3270                  | 0,400 A / 220 V                                                                           |                                                  |                                                                                       | 665                                                                                     | 0,340                                                                  | 6,4 · 10 <sup>-1</sup>            |
| 7030.3280                  | 0,500 A / 220 V                                                                           |                                                  |                                                                                       | 555                                                                                     | 0,360                                                                  | 1                                 |
| 7030.3290                  | 0,630 A / 220 V                                                                           |                                                  |                                                                                       | 460                                                                                     | 0,370                                                                  | 1,6                               |
| 7030.3310                  | 0,800 A / 220 V                                                                           |                                                  |                                                                                       | 365                                                                                     | 0,370                                                                  | 4,2                               |
| 7030.3320                  | 1 A / 220 V                                                                               |                                                  |                                                                                       | 295                                                                                     | 0,365                                                                  | 9                                 |
| 7030.3330                  | 1,25 A / 220 V                                                                            |                                                  |                                                                                       | 300                                                                                     | 0,465                                                                  | 7,1                               |
| 7040.3110                  | 1,60 A / 125 V                                                                            | 40 A / 125 V AC,<br>p.f. / cos $\varphi$ 0,7-0,8 | 100 A / 125 V AC,<br>p.f. / cos $\varphi$ 0,9                                         | 280                                                                                     | 0,535                                                                  | 22                                |
| 7040.3120                  | 2 A / 125 V                                                                               |                                                  |                                                                                       | 245                                                                                     | 0,595                                                                  | 43                                |
| 7040.3130                  | 2,5 A / 125 V                                                                             |                                                  |                                                                                       | 210                                                                                     | 0,630                                                                  | 128                               |
| 7040.3140                  | 3,15 A / 125 V                                                                            |                                                  |                                                                                       | 160                                                                                     | 0,615                                                                  | 370                               |
| 7040.3150                  | 4 A / 125 V                                                                               |                                                  |                                                                                       | 165                                                                                     | 0,790                                                                  | 260                               |
| 7040.3160                  | 5 A / 125 V                                                                               |                                                  |                                                                                       | 175                                                                                     | 1,100                                                                  | 440                               |
| 7040.3170                  | 6,3 A / 125 V                                                                             |                                                  |                                                                                       | 105                                                                                     | 0,775                                                                  | 800                               |
| 7040.3180                  | 8 A / 125 V*                                                                              |                                                  |                                                                                       | 105                                                                                     | 1,000                                                                  | 1400                              |
| 7040.3190                  | 10 A / 125 V*                                                                             |                                                  |                                                                                       | 90                                                                                      | 1,050                                                                  | 2200                              |
| 7040.3200                  | 12,5 A / 32 V*                                                                            |                                                  |                                                                                       | 55                                                                                      | 0,795                                                                  | 890                               |
| 7040.3210                  | 15 A / 32 V*                                                                              | 100 A / 32 V AC,<br>p.f. / cos $\varphi$ 0,9     |                                                                                       | 45                                                                                      | 0,745                                                                  | 3400                              |

\* Not mentioned in NF C 93-435 / In NF C 93-435 nicht enthalten