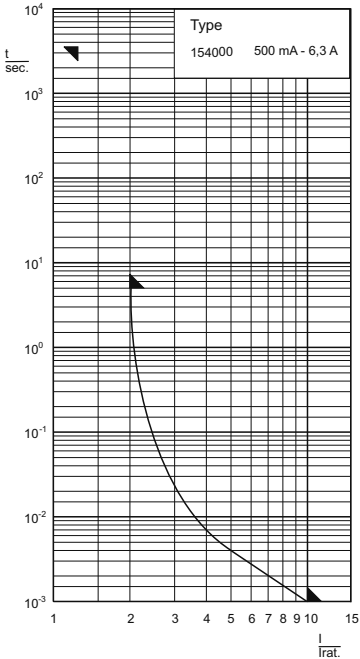


Type **154000**



Zeit/Strom-Kennlinien  
Time-Current Characteristics



**Aufbau / Construction**

Keramiksubstrat / ceramic substrate  
Schmelzleiter gedruckt / printed fuse-element

Lötwärmebeständigkeit /  
resistance to soldering heat: 260 °C, 10 s (Lötbad / solder bath)  
(nach IEC 60068-2-58 / to IEC 60068-2-58) 260 °C, 10 s (reflow)

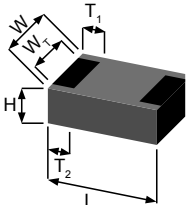
Vibration / vibration: IEC 60068-2-6  
Isolationswiderstand / insulation resistance IEC 60127-4

**Schmelzeitgrenzwerte / Fusing time limits**

| Bemessungsstrom<br>Rated Current | 1 I <sub>n</sub> |      | 1,25 I <sub>n</sub> |      | 2 I <sub>n</sub> |        | 10 I <sub>n</sub> |      |
|----------------------------------|------------------|------|---------------------|------|------------------|--------|-------------------|------|
|                                  | min.             | max. | min.                | max. | min.             | max.   | min.              | max. |
| 250 mA - 375 mA                  | 1 h              | -    | -                   | 5 s  | -                | 200 ms | -                 | -    |
| 500 mA - 6,3 A                   | -                | 1 h  | -                   | 5 s  | -                | -      | -                 | 1 ms |

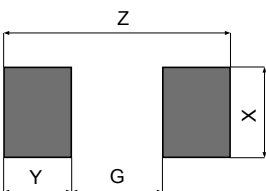
|                          |                             |      |                                      |
|--------------------------|-----------------------------|------|--------------------------------------|
| UL 248-14<br>IEC 60127-4 | <b>1206</b><br>3,2 x 1,6 mm | 63 V | FF<br>superfink<br>very quick acting |
|--------------------------|-----------------------------|------|--------------------------------------|

Abmessungen  
Dimensions



|                |                    |
|----------------|--------------------|
| H              | 0,55 ± 0,1 mm      |
| L              | 3,2 +0,1 / -0,2 mm |
| W              | 1,6 ± 0,15 mm      |
| W <sub>T</sub> | > 75% von/of W     |
| T <sub>1</sub> | 0,5 ± 0,25 mm      |
| T <sub>2</sub> | 0,3 ± 0,25 mm      |

Empfohlene Anschlussflächen  
Recommended pad layout



| Lötung<br>Soldering | Reflow<br>Reflow | Welle<br>Wave |
|---------------------|------------------|---------------|
| G                   | 1,5 mm           | 1,5 mm        |
| X                   | 1,75 mm          | 1,9 mm        |
| Y                   | 1,25 mm          | 1,6 mm        |
| Z                   | 4,0 mm           | 4,7 mm        |

| Artikel-Nr.<br>Article-no. | Bemessungs-<br>strom<br>Rated Current | Bemessungs-<br>Ausschaltvermögen<br>Rated Breaking<br>Capacity | Spannungsfall<br>Voltage Drop | Kalt-<br>widerstand<br>Cold<br>Resistance | Schmelz-<br>integral<br>I <sup>2</sup> t <sub>z</sub> Value | Kenn-<br>zeichnung<br>Marking | Approbationen<br>Approvals |
|----------------------------|---------------------------------------|--|-------------------------------|---|---|-------------------------------|----------------------------|
|                            |                                       |  | mV                            | mΩ  | A <sup>2</sup> s  |                               | UL rec. VDE                |
| 154000.0,25                | 250 mA                                | <sup>1)</sup>  | 310                           | 880                                       | 0.0001  |                               | listed                     |
| 154000.0,375               | 375 mA                                | <sup>1)</sup>  | 260                           | 470                                       | 0.0004  |                               | listed                     |
| 154000.0,5                 | 500 mA                                | 50 A @ DC 63 V <sup>2)</sup>                                   | 433                           | 660                                       | 0.0009  | F                             | ✓ ✓                        |
| 154000.0,63                | 630 mA                                | 50 A @ DC 63 V   | 372                           | 450                                       | 0.0014  | CT                            | ✓                          |
| 154000.0,75                | 750 mA                                | 50 A @ DC 63 V   | 325                           | 330                                       | 0.0022  | G                             | ✓                          |
| 154000.0,8                 | 800 mA                                | 50 A @ DC 63 V   | 273                           | 260                                       | 0.0023  | CV                            | ✓                          |
| 154000.1                   | 1 A                                   | 50 A @ DC 63 V <sup>2)</sup>                                   | 262                           | 200                                       | 0.0028  | H                             | ✓ ✓                        |
| 154000.1,25                | 1,25 A                                | 50 A @ DC 63 V   | 230                           | 140                                       | 0.0041  | J                             | ✓                          |
| 154000.1,5                 | 1,5 A                                 | 50 A @ DC 63 V   | 207                           | 105                                       | 0.0059  | K                             | ✓                          |
| 154000.1,6                 | 1,6 A                                 | 50 A @ DC 63 V <sup>2)</sup>                                   | 168                           | 80  | 0.0066  | EF                            | ✓ ✓                        |
| 154000.1,75                | 1,75 A                                | 50 A @ DC 63 V   | 174                           | 76  | 0.0077  | L                             | ✓                          |
| 154000.2                   | 2 A                                   | 50 A @ DC 63 V <sup>2)</sup>                                   | 181                           | 69  | 0.0102  | N                             | ✓ ✓                        |
| 154000.2,5                 | 2,5 A                                 | 50 A @ DC 63 V   | 161                           | 49  | 0.0159  | O                             | ✓                          |
| 154000.3                   | 3 A                                   | 50 A @ DC 63 V   | 173                           | 44  | 0.0229  | P                             | ✓                          |
| 154000.3,15                | 3,15 A                                | 50 A @ DC 63 V <sup>2)</sup>                                   | 153                           | 37  | 0.0251  | EL                            | ✓ ✓                        |
| 154000.3,5                 | 3,5 A                                 | 50 A @ DC 63 V   | 161                           | 35  | 0.0310  | R                             | ✓                          |
| 154000.4                   | 4 A                                   | 50 A @ DC 63 V   | 147                           | 28  | 0.0404  | S                             | ✓                          |
| 154000.5                   | 5 A                                   | 50 A @ DC 63 V   | 131                           | 20  | 0.2275  | T                             |                            |
| 154000.6,3                 | 6,3 A                                 | 50 A @ DC 63 V   | 116                           | 14  | 0.516   | ET                            |                            |

<sup>1)</sup> 50 A @ DC 63 V und 100 A @ AC 125 V

| Type       | Abk.<br>Abbr.   | Beschreibung<br>Description                   |
|------------|-----------------|---|
| 154000     | GT-1K           | 1.000 Stück gegurtet / 1.000 pieces on tape   |
|            | GT-5K           | 5.000 Stück gegurtet / 5.000 pieces on tape   |
|            | GT-20K          | 20.000 Stück gegurtet / 20.000 pieces on tape |
| z.B./ e.g. | 154000.6,3GT-5K |   |