

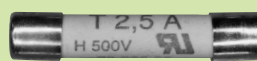
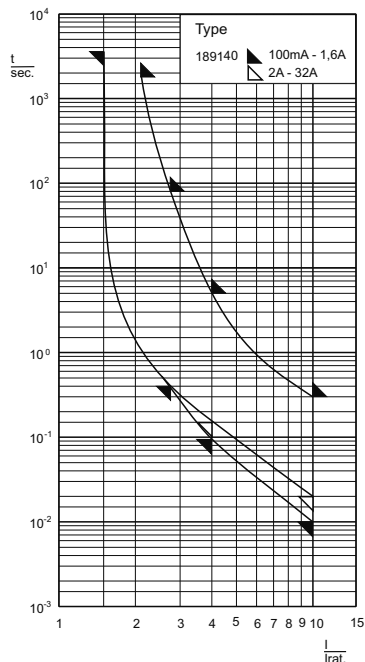
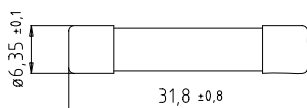


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**Type**  
**189140**

  
E180276


  
E167295

Zeit/Strom-Kennlinien  
Time-Current Characteristics

Abmessungen  
Dimensions

**Aufbau / Construction**

Keramikrohr / ceramic tube

undurchsichtig / non transparent  
mit Löschmittelfüllung / with filling

Kontaktkappen / end caps

Messing, vernickelt / brass, nickel-plated

**Schmelzeitgrenzwerte / Fusing time limits**

| Bemessungsstrom<br>Rated Current | 1,5 I <sub>n</sub> | 2 I <sub>n</sub> | 2,75 I <sub>n</sub> |      | 4 I <sub>n</sub> |      | 10 I <sub>n</sub> |        |
|----------------------------------|--------------------|------------------|---------------------|------|------------------|------|-------------------|--------|
|                                  | min.               | max.             | min.                | max. | min.             | max. | min.              | max.   |
| 100 mA - 1,6 A                   | 1 h                | 30 min           | 400 ms              | 80 s | 95 ms            | 5 s  | 10 ms             | 300 ms |
| 2 A - 32 A                       | 1 h                | 30 min           | 400 ms              | 80 s | 150 ms           | 5 s  | 20 ms             | 300 ms |

|                           |                                      |                         |                        |
|---------------------------|--------------------------------------|-------------------------|------------------------|
| Sondertyp<br>Special type | <b>6,3 x 32 mm</b><br>(0,25 x 1,25") | 500 V<br>440 V<br>250 V | T<br>träge<br>time-lag |
|---------------------------|--------------------------------------|-------------------------|------------------------|

| Artikel-Nr.<br>Article-no. | Bernessungs-<br>strom<br>Rated Current | Bernessungs-<br>Ausschaltvermögen<br>Rated Breaking<br>Capacity | Spannungsfall<br>Voltage Drop | Leistungsabgabe<br>Power Dissipation<br>(@ 1,5 I <sub>n</sub> ) | Schmelz-<br>integral<br>I <sup>2</sup> t <sub>90</sub> Value | Approbationen<br>Approvals |
|----------------------------|----------------------------------------|-----------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------|----------------------------|
|                            |                                        |                                                                 | mV                            | W                                                               | A <sup>2</sup> s                                             | UL rec.                    |
| 189140.0,1                 | 100 mA                                 | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 3600                          | 1,3                                                             | 0,04                                                         |                            |
| 189140.0,125               | 125 mA                                 | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 3400                          | 1,4                                                             | 0,06                                                         |                            |
| 189140.0,16                | 160 mA                                 | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 3000                          | 1,5                                                             | 0,1                                                          |                            |
| 189140.0,2                 | 200 mA                                 | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 2500                          | 1,6                                                             | 0,18                                                         |                            |
| 189140.0,25                | 250 mA                                 | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 2000                          | 1,7                                                             | 0,25                                                         |                            |
| 189140.0,315               | 315 mA                                 | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 1800                          | 1,8                                                             | 0,45                                                         |                            |
| 189140.0,4                 | 400 mA                                 | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 1600                          | 2,0                                                             | 0,45                                                         |                            |
| 189140.0,5                 | 500 mA                                 | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 450                           | 0,6                                                             | 0,35                                                         | ✓                          |
| 189140.0,63                | 630 mA                                 | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 400                           | 0,7                                                             | 0,49                                                         | ✓                          |
| 189140.0,8                 | 800 mA                                 | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 350                           | 0,8                                                             | 0,9                                                          | ✓                          |
| 189140.1                   | 1 A                                    | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 350                           | 0,9                                                             | 1,4                                                          | ✓                          |
| 189140.0,1,25              | 1,25 A                                 | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 300                           | 1,0                                                             | 3,2                                                          | ✓                          |
| 189140.1,6                 | 1,6 A                                  | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 200                           | 1,1                                                             | 5,2                                                          | ✓                          |
| 189140.2                   | 2 A                                    | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 180                           | 1,2                                                             | 10                                                           | ✓                          |
| 189140.2,5                 | 2,5 A                                  | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 160                           | 1,3                                                             | 19                                                           | ✓                          |
| 189140.3,15                | 3,15 A                                 | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 150                           | 1,4                                                             | 37                                                           | ✓                          |
| 189140.4                   | 4 A                                    | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 140                           | 1,5                                                             | 68                                                           | ✓                          |
| 189140.5                   | 5 A                                    | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 135                           | 2,2                                                             | 80                                                           | ✓                          |
| 189140.6,3                 | 6,3 A                                  | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 110                           | 2,2                                                             | 215                                                          | ✓                          |
| 189140.8                   | 8 A                                    | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 110                           | 2,6                                                             | 370                                                          | ✓                          |
| 189140.10                  | 10 A                                   | 1,5 kA @ AC 500 V <sup>1)</sup>                                 | 100                           | 3,0                                                             | 620                                                          | ✓                          |
| 189140.12,5                | 12,5 A                                 | 1,5 kA @ AC 500 V <sup>2)</sup>                                 | 100                           | 3,5                                                             | 1300                                                         | ✓                          |
| 189140.16                  | 16 A                                   | 1,5 kA @ AC 500 V <sup>2)</sup>                                 | 100                           | 4                                                               | 2500                                                         | ✓                          |
| 189140.20                  | 20 A                                   | 1,5 kA @ AC 440 V <sup>2)</sup>                                 | 100                           | 6                                                               | 3400                                                         |                            |
| 189140.25                  | 25 A                                   | 1,5 kA @ AC 440 V <sup>2)</sup>                                 | 100                           | 8                                                               | 5600                                                         |                            |
| 189140.32                  | 32 A                                   | 1,5 kA @ AC 250 V <sup>2)</sup>                                 | 80                            | 10                                                              | 3900                                                         |                            |

<sup>1)</sup> cosφ = 1 10 kA @ AC 440 V cosφ = 0,3 1,5kA @ DC 400 V

<sup>2)</sup> cosφ = 1

Bei Verwendung dieser G-Sicherungseinsätze ab 6,3 A ist auf ausreichende Wärmeabfuhr zu achten.  
When using this type from 6.3 A up, consideration should be given to heat dissipation.

| Type                    | Abk.<br>Abbr. | Beschreibung<br>Description                                     |
|-------------------------|---------------|-----------------------------------------------------------------|
| 189140                  | -             | 100 Stück / Pieces (10 x 10)                                    |
|                         | IP            | 1.000 Stück Industrieverpackung / 1.000 pieces industrial packs |
|                         | AK            | mit montierten Aufsteckkappen/ with assembled push-on caps      |
| z.B./ e.g. 189140.1,6IP |               |                                                                 |