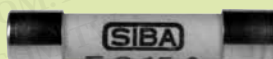
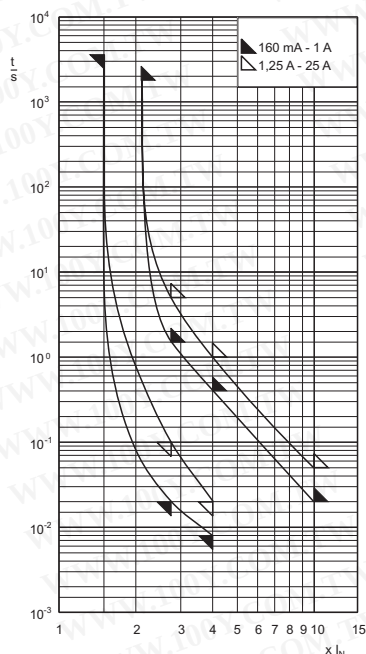
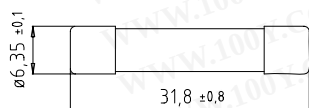


**Type**  
**189020**
**CU**  
 E167295


勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
 Http://www.100y.com.tw

 Zeit/Strom-Kennlinien  
 Time-Current Characteristics

 Abmessungen  
 Dimensions


Auch als SMD Version verfügbar  
 Also available as SMD version  
 1 A - 5 A


**Aufbau / Construction**  
 Keramikrohr / ceramic tube

Kontaktkappen / end caps

 undurchsichtig / non transparent  
 mit Löschmittelfüllung / with filling

Messing, vernickelt / brass, nickel-plated

**Schmelzeitgrenzwerte / Fusing time limits**

| Bemessungsstrom<br>Rated Current | 1,5 I <sub>n</sub> |        | 2,1 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. | min.              | max.  |
| 160 mA - 1 A                     | 1 h                | 30 min | 20 ms              | 1,5 s | 8 ms                | 400 ms | -                | -    | -                 | 20 ms |
| 1,25 A - 25 A                    | 1 h                | 30 min | 100 ms             | 5 s   | 20 ms               | 1 s    | -                | -    | -                 | 50 ms |

|                           |                                      |                |                            |
|---------------------------|--------------------------------------|----------------|----------------------------|
| Sondertyp<br>Special type | <b>6,3 x 32 mm</b><br>(0,25 x 1,25") | 500 V<br>440 V | F<br>flink<br>quick acting |
|---------------------------|--------------------------------------|----------------|----------------------------|

| Artikel-Nr.<br>Article-no. | Bemessungs-<br>strom<br>Rated Current | Bemessungs-<br>Ausschaltvermögen<br>Rated Breaking<br>Capacity | Spannungsfall<br>Voltage Drop | Leistungsabgabe<br>Power Dissipa-<br>tion (@ 1,5 I <sub>n</sub> ) | Schmelz-<br>integral<br>I <sup>2</sup> t <sub>s</sub> Value | Approbationen<br>Approvals |
|----------------------------|---------------------------------------|----------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------|----------------------------|
|                            |                                       |                                                                | mV                            | W                                                                 | A <sup>2</sup> s                                            | UL rec.                    |
| 189020.0,16                | 160 mA                                | 50 kA @ AC 500 V <sup>1)</sup>                                 | 7000                          | 2,5                                                               | 0,0015                                                      | ✓                          |
| 189020.0,2                 | 200 mA                                | 50 kA @ AC 500 V <sup>1)</sup>                                 | 6500                          | 2,9                                                               | 0,0035                                                      | ✓                          |
| 189020.0,25                | 250 mA                                | 50 kA @ AC 500 V <sup>1)</sup>                                 | 6000                          | 3,4                                                               | 0,0085                                                      | ✓                          |
| 189020.0,315               | 315 mA                                | 50 kA @ AC 500 V <sup>1)</sup>                                 | 1000                          | 0,9                                                               | 0,036                                                       | ✓                          |
| 189020.0,4                 | 400 mA                                | 50 kA @ AC 500 V <sup>1)</sup>                                 | 900                           | 1,0                                                               | 0,07                                                        | ✓                          |
| 189020.0,5                 | 500 mA                                | 50 kA @ AC 500 V <sup>1)</sup>                                 | 800                           | 1,1                                                               | 0,19                                                        | ✓                          |
| 189020.0,63                | 630 mA                                | 50 kA @ AC 500 V <sup>1)</sup>                                 | 700                           | 1,3                                                               | 0,35                                                        | ✓                          |
| 189020.0,8                 | 800 mA                                | 50 kA @ AC 500 V <sup>1)</sup>                                 | 600                           | 1,4                                                               | 0,49                                                        | ✓                          |
| 189020.1                   | 1 A                                   | 50 kA @ AC 500 V <sup>1)</sup>                                 | 400                           | 1,2                                                               | 0,4                                                         | ✓                          |
| 189020.1,25                | 1,25 A                                | 50 kA @ AC 500 V <sup>1)</sup>                                 | 300                           | 1,3                                                               | 0,8                                                         | ✓                          |
| 189020.1,6                 | 1,6 A                                 | 50 kA @ AC 500 V <sup>1)</sup>                                 | 300                           | 1,4                                                               | 1,5                                                         | ✓                          |
| 189020.2                   | 2 A                                   | 50 kA @ AC 500 V <sup>1)</sup>                                 | 280                           | 1,6                                                               | 2,5                                                         | ✓                          |
| 189020.2,5                 | 2,5 A                                 | 50 kA @ AC 500 V <sup>1)</sup>                                 | 260                           | 1,8                                                               | 5                                                           | ✓                          |
| 189020.3,15                | 3,15 A                                | 50 kA @ AC 500 V <sup>1)</sup>                                 | 240                           | 2,3                                                               | 9                                                           | ✓                          |
| 189020.4                   | 4 A                                   | 50 kA @ AC 500 V <sup>1)</sup>                                 | 220                           | 2,6                                                               | 18                                                          | ✓                          |
| 189020.5                   | 5 A                                   | 50 kA @ AC 500 V <sup>1)</sup>                                 | 190                           | 2,9                                                               | 40                                                          | ✓                          |
| 189020.6,3                 | 6,3 A                                 | 50 kA @ AC 500 V <sup>1)</sup>                                 | 170                           | 3,2                                                               | 80                                                          | ✓                          |
| 189020.8                   | 8 A                                   | 1,5 kA @ AC 500 V <sup>2)</sup>                                | 160                           | 3,7                                                               | 150                                                         |                            |
| 189020.10                  | 10 A                                  | 1,5 kA @ AC 500 V <sup>2)</sup>                                | 150                           | 4,0                                                               | 240                                                         |                            |
| 189020.12,5                | 12,5 A                                | 1,5 kA @ AC 500 V <sup>2)</sup>                                | 140                           | 5,5                                                               | 500                                                         |                            |
| 189020.16                  | 16 A                                  | 1,5 kA @ AC 500 V <sup>2)</sup>                                | 130                           | 6,5                                                               | 920                                                         |                            |
| 189020.20                  | 20 A                                  | 1,5 kA @ AC 440 V <sup>2)</sup>                                | 120                           | 8,4                                                               | 1500                                                        |                            |
| 189020.25                  | 25 A                                  | 1,5 kA @ AC 440 V <sup>2)</sup>                                | 110                           | 11                                                                | 3100                                                        |                            |

<sup>1)</sup> cos φ = 0,3 1500 A @ DC 450 V resistiv

<sup>2)</sup> cos φ = 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                                     |
|------------|---------------|-----------------------------------------------------------------|
| 189020     | -             | 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. | 189020.3,15AK |                                                                 |