

# Semiconductor Fuses

## SILIZED Fuse Links

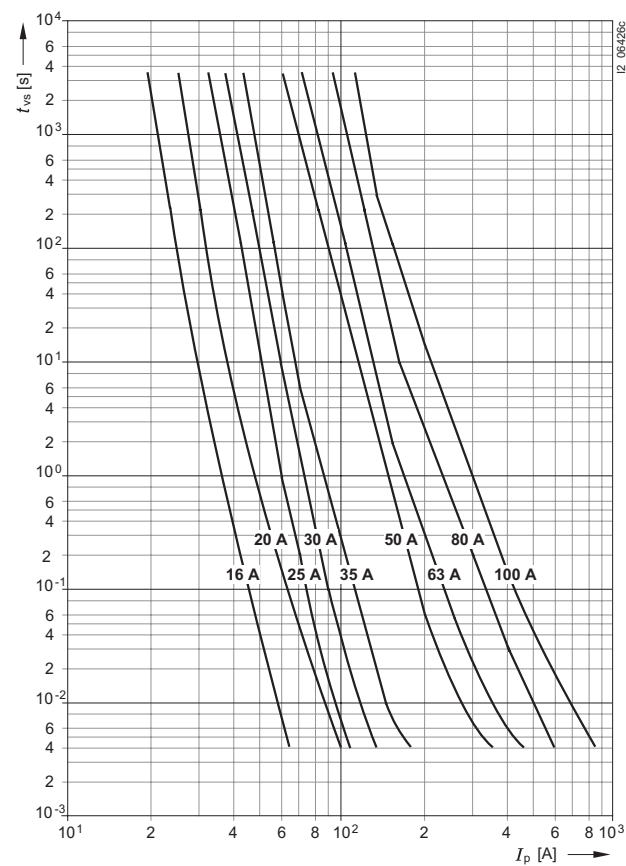
### DIAZED fuse links SILIZED

#### Characteristic curves

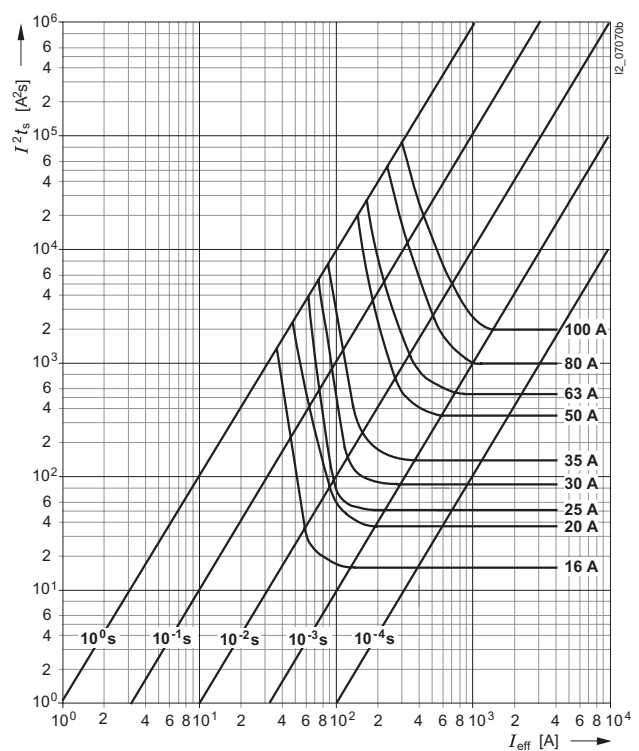
##### Series 5SD4, 5SD5

Size: DII, DIII, DIV  
Operational class: gR  
Characteristic: super quick  
Rated voltage: 500 V AC/500 V DC  
Rated current: 16 ... 100 A

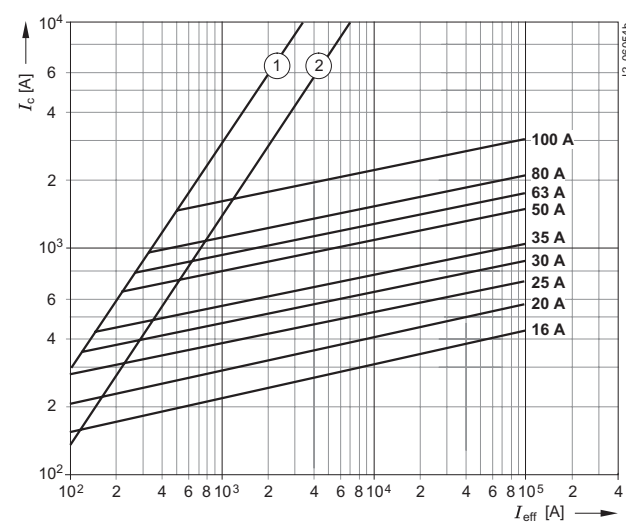
#### Time/current characteristics diagram



#### Melting $I^2 t_s$ values diagram



#### Current limitation diagram



| Type    | $I_n$<br>A | $P_v$<br>W | $\Delta\vartheta$<br>K | $I^2 t_s$<br>1 ms<br>A <sup>2</sup> s | $I^2 t_a$<br>500 V AC<br>A <sup>2</sup> s |
|---------|------------|------------|------------------------|---------------------------------------|-------------------------------------------|
| 5SD4 20 | 16         | 12.1       | 63                     | 16.2                                  | 60                                        |
| 5SD4 30 | 20         | 12.3       | 69                     | 35.8                                  | 139                                       |
| 5SD4 40 | 25         | 12.5       | 61                     | 48.9                                  | 205                                       |
| 5SD4 80 | 30         | 13.4       | 65                     | 85                                    | 310                                       |
| 5SD4 50 | 35         | 14.8       | 62                     | 135                                   | 539                                       |
| 5SD4 60 | 50         | 18.5       | 66                     | 340                                   | 1250                                      |
| 5SD4 70 | 63         | 28         | 84                     | 530                                   | 1890                                      |
| 5SD5 10 | 80         | 34.3       | 77                     | 980                                   | 4200                                      |
| 5SD5 20 | 100        | 41.5       | 83                     | 1950                                  | 8450                                      |

- ① Peak short-circuit current with largest DC component  
② Peak short-circuit current without DC component