

Fuses for Semiconductor Protection

CEV10 SERIES FUSES



● PRODUCT SPECIFICATION

IEC60269-4/ IEC60269-1 standard



| SIZE | Rated Voltage | Operating Class | Rated Breaking Capacity |
|------|-------------------|-----------------|-------------------------|
| 10 | dc1000V/700V/500V | a R | 1000V@ 20kA |

- Product model
 - CEV10-AP

● Product interpretation

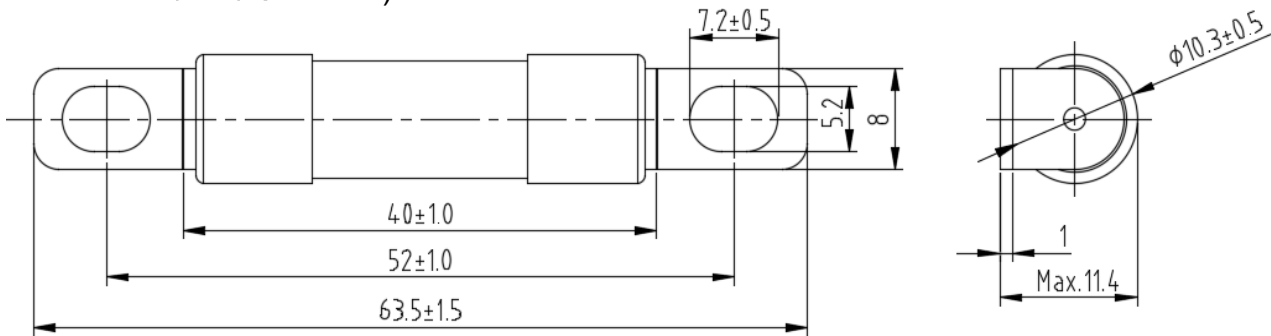
CEV 10 - AP
 ① ② ③ ④

- ① Protection object: EV: Electric Vehicles
- ② Diameter: 10: Fusion tube diameter Φ 10.3
- ③ Rated Current: A
- ④ Installation: AP: Bolt pin

● Description

- Safe and reliable connecting way of bolt-on
- Excellent electric performance, quick protection for EV system, cut down the fault current of the system.
- Product design conforms to IEC60269-4/ IEC60269
- Product process conforms to IATF16949
- Product and Package conforms to RoHS

● Dimensions (unit:mm)

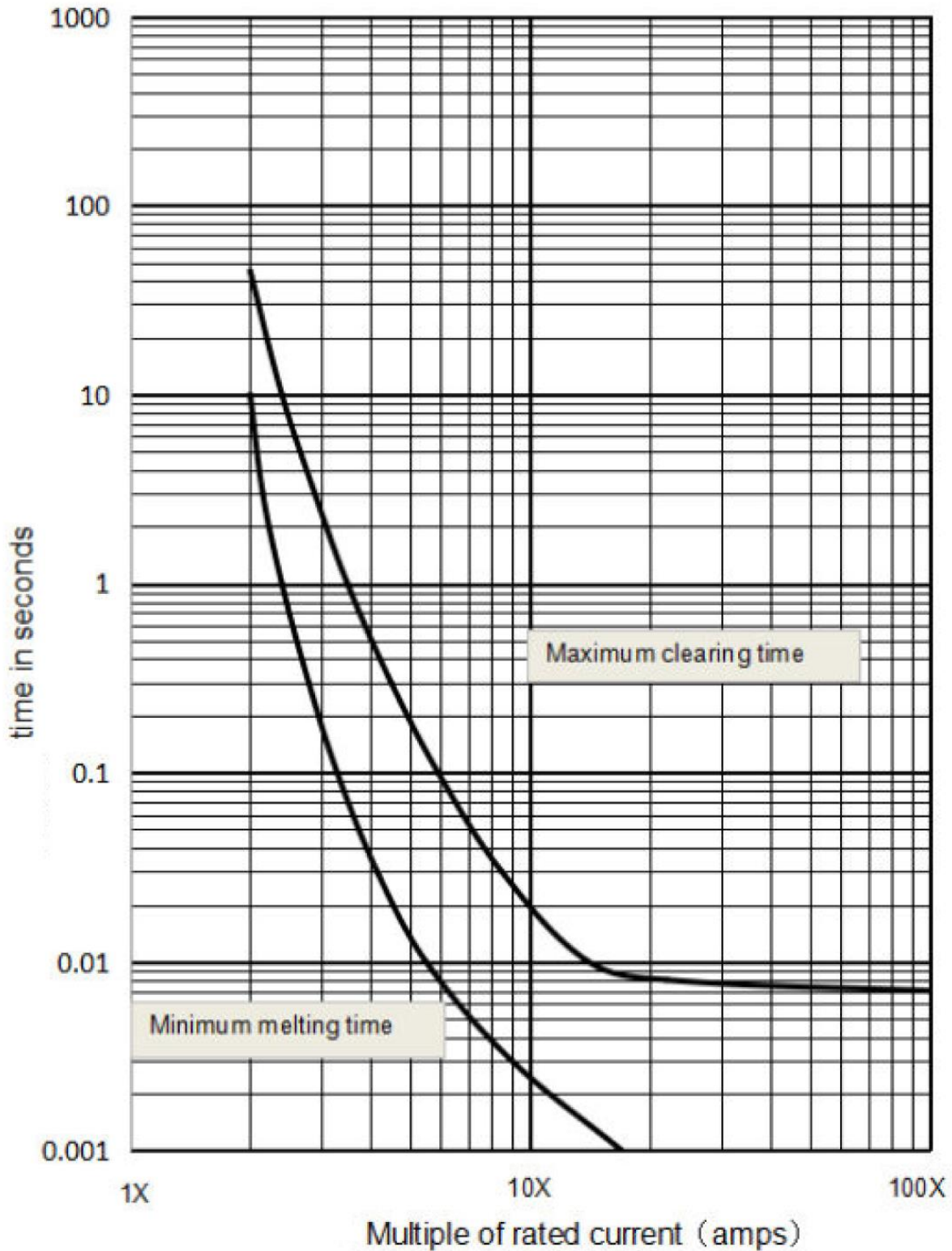


● Selection and ordering data

| Rated current 【A】 | Rated voltage 【V】 | Part Number | Power Loss 【W】 | Pre-arcing It 【AS】 | Total @1000V It 【AS】 | Weight 【Kg/1】 | Pack |
|----------------------|----------------------|-------------|-------------------|-----------------------|-------------------------|------------------|------|
| 6 | 1000 | CEV10-6AP | 2 | 2 | 9 | 0.01 | 20 |
| 8 | 1000 | CEV10-8AP | 2.2 | 3 | 32 | | |
| 10 | 1000 | CEV10-10AP | 2.6 | 7 | 70 | | |
| 12 | 1000 | CEV10-12AP | 2.8 | 12 | 120 | | |
| 15 | 1000 | CEV10-15AP | 3.5 | 22 | 220 | | |
| 20 | 1000 | CEV10-20AP | 2.6 | 34 | 350 | | |
| 25 | 1000 | CEV10-25AP | 3.6 | 65 | 943 | | |
| 30 | 1000 | CEV10-30AP | 4.2 | 120 | 1400 | | |
| 35 | 700 | CEV10-35AP | 4.5 | 145 | 2530@700V | | |
| 40 | 700 | CEV10-40AP | 4.7 | 158 | 2800@700V | | |
| 50 | 500 | CEV10-50AP | 6.5 | 230 | 3910@500V | | |

● Time- Current Characteristics Curve

Minimum melt/Maxi clearing time-current curves



- Operating condition

| No | Item | Requirements |
|----|-----------------------|--|
| 1 | Operating voltage | ≤1000V |
| 2 | Operating environment | -40°C~85°C |
| | | RH<50%(≥40°C) |
| | | RH<90%(≤20°C) |
| 3 | Storage environment | -5°C~40°C RH<75% |
| 4 | altitude | ≤3000m (Please consult the manufacturer if it exceeds the range) |
| 5 | Install torque | M5 3.0±0.5N.m |
| 6 | Pollution level | III |

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