

Pyro Circuit Closer -PCC 1

Product Description:

The pyrotechnic initiator deforms the conductors, which connecting conductors together as a short-circuits to flow the current or signal.

- Suitable for voltage levels up to 900VDC
- Max short circuit current 4kA/10 ms
- Non-reversible device. Permanent connection

Note:

- 1.This specification for **Design Verification only**(Not yet Design Validation).
2. Each parameter must be considered independently and combination of all max parameters is not applicable

Prototype only



Contact Data

Rated voltage 900V
Load current and connected bi-directional

Resistance & Insulation Data

Busbar resistance (at 23°C)
before operation $\geq 10 \text{ M}\Omega$
after operation $\leq 50 \text{ m}\Omega$

Busbar (Current Bar)

Contact raw-material: Aluminum
(Optional : Copper)
Busbar profile:
Cross-section nominal 11 mm²

Temperature Range

Design verification -40°C/ + 100°C
(Target after design validation)
Environmental temperature -40°C/ + 120°C

Operation Time

Release time < 2.0 ms, (@1.20A)
1,3ms @ 1000V/4000A/35μH (@6A)
1,3ms @ 900V/5000A/35μH (@6A)

Initiator Data

Qualified to AK-LV16 & USCAR
Initiator resistance $\geq 1.7 \text{ }\Omega$ and $\leq 2.5 \text{ }\Omega$
All-fire current $\geq 1.75 \text{ A} / 0.5 \text{ msec}$
or $\geq 1.20 \text{ A} / 2.0 \text{ msec}$
No-fire current $\leq 0.4 \text{ A} / 10\text{sec}$
or $\leq 5.0 \text{ A} / 4\mu\text{sec}$
Monitor current: $\leq 160 \text{ mA}$

Terminal type:

on busbar M6 screw

Weight:

42 gr.



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Product Characteristics

