## **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

# Prototype only dation). tion of all max

### 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

### **Contact Data**

Rated voltage 900V Load current and connected bi-directional

### **Busbar (Current Bar)**

Contact raw-material: Aluminum

(Optional: Copper)

Busbar profile:

Cross-section nominal 11 mm<sup>2</sup>

### **Operation Time**

Release time < 2.0 ms, (@1.20A)

1,3ms @ 1000V/4000A/35µH (@6A)

1,3ms @ 900V/5000A/35µH (@6A)

### **Terminal type:**

on busbar M6 screw

### Weight:

42 gr.

### **Resistance & Insulation Data**

Busbar resistance (at 23°C)

before operation  $\geq 10 \text{ M}\Omega$ after operation  $\leq 50 \text{ m}\Omega$ 

### **Temperature Range**

Design verification -40°C/ + 100°C

(Target after design validation)

Environmental temperature -40°C/ + 120°C

### **Initiator Data**

Qualified to AK-LV16 & USCAR

Initiator resistance  $\geq 1.7 \Omega$  and  $\leq 2.5 \Omega$ All-fire current  $\geq 1.75 \text{ A} / 0.5 \text{ msec}$ 

or ≥1.20 A / 2.0 msec

No-fire current ≤0.4 A/10sec

or ≤5.0 A/4µsec

Monitor current: ≤160 mA

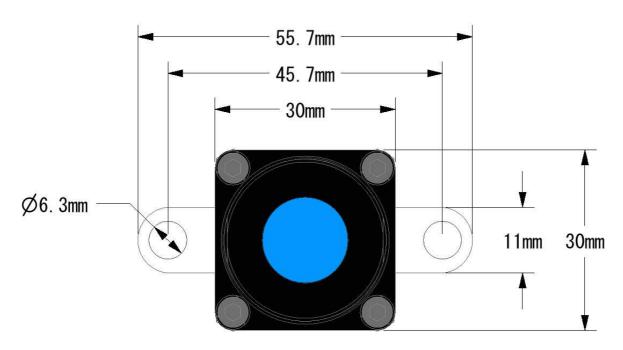


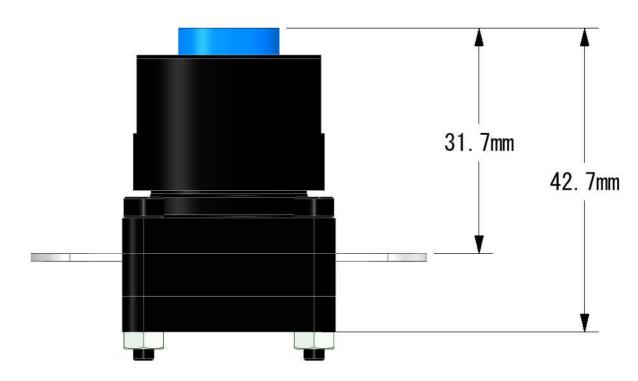
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