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**Power Disconnect Device – PDD 3** 

## **Product Description:**

A pyrotechnic igniter drives a piston, which separates the electrical conductor and thus galvanically interrupts the current flow.

Current carrying capability 200A at 85° C Suitable for voltage levels up to 100VDC >Max current breaking capability up to 3kA >Max. inductive switching capacity 10µH >Non-reversible device; for galvanic disconnection

Note: Each parameter must be considered independently and combination of all max parameters is not applicable

**Contact Data** Rated voltage Load current and cut off

100V bi-directional

Copper

**Busbar (Current Bar)** Contact raw-material: Busbar profiles:

Cross-section nominal 19 mm<sup>2</sup>

**Operation Time** Release time

**Terminal type:** 

on busbar M4 screw interface AK 1

< 2 ms (@1.75A)

Weight:

**Typical Applications:** Battery disconnect to prevent fire caused by short circuits or electrical shock during/after an accident.

Temperature Range
Environmental temperature -40°C/ + 120°C

 $\leq 0.10 \ \mu\Omega$ 

≥ 10 MΩ

**Initiator Data** Qualified by AK-LV 16 & USCAR

**Resistance & Insulation Data** 

Busbar resistance (at 23°C)

before operation

after operation

Initiator resistance	≥1.7 Ω and ≤2.5 Ω
All-fire current	≥1.75 A / 0.5 ms
	or ≥1.20 A / 2.0 ms
No-fire current	≤0.4 A
	or ≤5.0 A / ≤4 µs
Monitor current:	≤160 mA

**Qualification & Logistic** Excluded from Transport Classification 1 Classified as "non-dangerous Good" CE conformity certification available







60gr.

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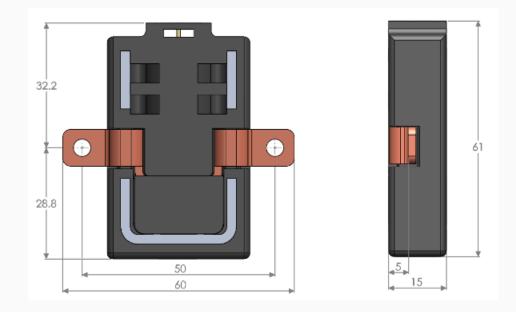
## **Power Disconnect Device – PDD 3 Series**

## **Product Characteristics**



Sustainable Value Together

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