Power Disconnect Device – PDD 2

Product Description:

Contact Data

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 48VDC >Max current breaking capability up to 2,300A >Max. inductive switching capacity 7µH >Non-reversible device; for galvanic disconnection

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

Rated voltage	48V	Busbar resistance (at 23°C)	
Load current and cut off	bi-directional	before operation	≤ 0.10 μΩ
		after operation	≥ 10 MΩ
Busbar (Current Bar)			
Contact raw-material:	Copper	Temperature Range Environmental temperature -40°C/ + 120°C	
Busbar profile:			
Cross-	section nominal 24 mm ²		
		Initiator Data	
Operation Time	< 2 ms (@1.75A)	Qualified by AK-LV 16 & USCAR	
Release time			
		Initiator resistance	≥1.7 Ω and ≤2.5 Ω
Terminal type	on busbar M8 screw	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
Weight:	39gr.	Monitor current:	≤160 mA
Typical Applications			
Typical Applications:	ont fire caused		
Battery disconnect to prevent fire caused by short circuits or electrical shock during/after an accident.		Qualification & Logistic Excluded from Transport Classification 1	

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Resistance & Insulation Data

 $D_{\rm track}$ and $d_{\rm track}$ is taken as (at 0.000)

1 silied as non-dangerous Good CE conformity certification available

Power Disconnect Device – PDD 2 Series

Product Characteristics



Sustainable Value Together

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