

DC High-Voltage Fuses

CBP-ESX SERIES FUSE



- **Semiconductor Protection Fuses – UL248-13 Compliant**

Size	Rated Voltage	Operating Class	Rated Breaking Capacity
G	1500Vdc	aR	1500Vdc 250kA L/R < 5ms

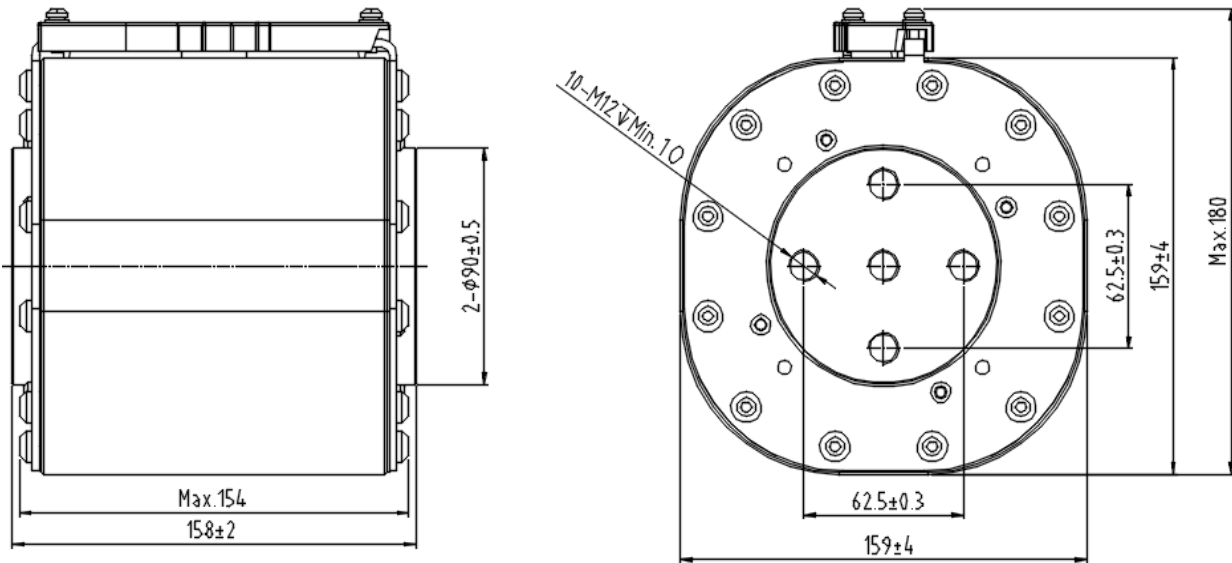
- **Series Reference**

CBP-ESX-G-H (Flush End Mount (Type H))

- **Key Features & Benefits**

- **Optimized for Energy Storage:** Specifically engineered for the demanding protection requirements of Battery Energy Storage Systems (BESS), PCS units, and other high-voltage DC applications.
- **Superior Electrical Performance:** Offers excellent current-limiting capabilities and a low I^2t value to rapidly and safely interrupt fault currents, protecting sensitive semiconductor devices.
- **Reliable & Secure Connection:** Features a robust bolt-on mounting design (US Style) ensuring safe, reliable, and low-resistance electrical connections.
- **Certified Quality:** Designed in conformance with UL248-13 standards for semiconductor protection and manufactured in a process conforming to IATF 16949 automotive quality standards. All materials and packaging are RoHS compliant.

• Dimensions

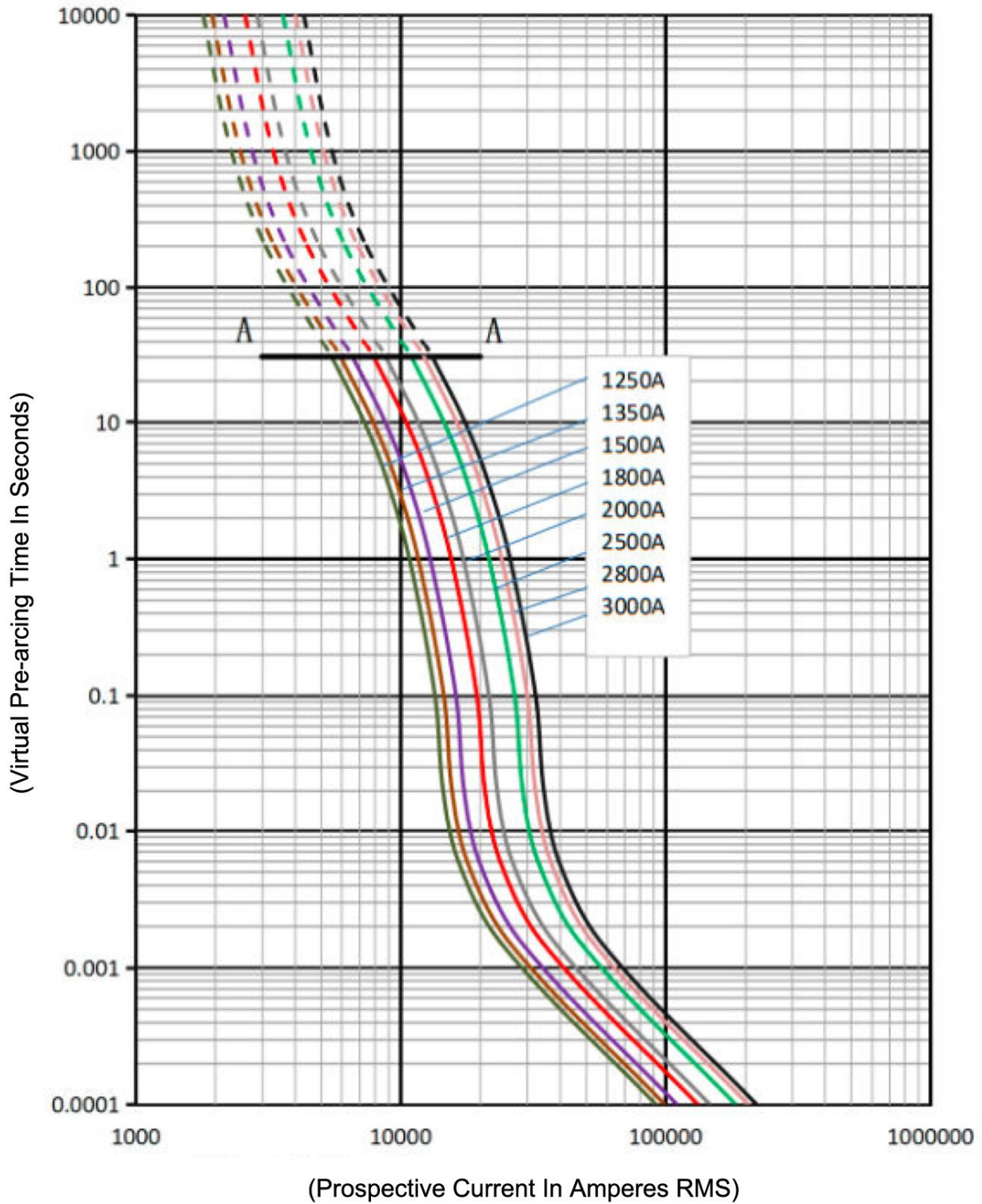


• Specification Matrix

Rated Current (A)	Rated Voltage (V)	Part Number	Power Loss (W) (typ.)	Pre-arcing I^2t (A ² s)	Total Clearing I^2t @ 1500V (A ² s)	Pack Qty
1250	1500Vdc	CBP-ESX-G-1250H	330	688000	2550000	1
1350	1500Vdc	CBP-ESX-G-1350H	370	830000	2970000	1
1500	1500Vdc	CBP-ESX-G-1500H	380	1050000	3770000	1
1800	1500Vdc	CBP-ESX-G-1800H	450	1750000	5150000	1
2000	1500Vdc	CBP-ESX-G-2000H	490	2250000	7150000	1
2500	1500Vdc	CBP-ESX-G-2500H	540	4680000	14500000	1
2800	1500Vdc	CBP-ESX-G-2800H	575	6380000	19200000	1
3000	1500Vdc	CBP-ESX-G-3000H	590	7950000	25800000	1

- Time- Current Characteristics Curve

(Time-Current Curve)



● Usage Conditions

No	Parameter	Specification
1	Operating Voltage	1500V DC or less
2	Operating Environment	-40°C~85°C
		Relative Humidity: <50%(≥40°C)
		Relative Humidity: <90%(≤20°C)
3	Storage Conditions	Temperature : -5°C~40°C Relative Humidity: <75%
4	Maximum Altitude	≤ 2000 meters (Consult factory for operation above this altitude)
5	Mounting Torque	M12:50±1N.m
6	Pollution Degree	III (Suitable for industrial environments)

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