

PFX 1000 Vdc Pyrofuse



FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 1000 V 15 kA @15 uH and operating time ≤3 ms.
- Full coverage of battery module current

DESCRIPTION

Adler PF series EV Pyro fuses are specially engineered and tested to provide best-in-class protection performance in protecting high power battery charging and managing systems of Electrical Vehicles and Hybrid Electrical Vehicles, up to 1000 Vdc in ratings 800 A.

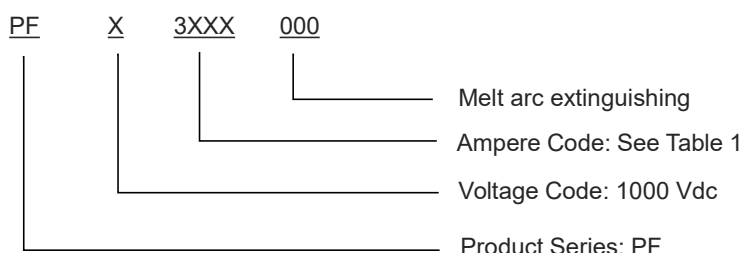
AGENCY INFORMATION

- Designed to LV 124, AK-LV 16.
- Manufactured under IATF 16949 quality system.
- RoHS and REACH Compliant.

APPLICATIONS

- BMS Protection
- Battery Charging Protection

PART NUMBERING SYSTEM



ELECTRICAL SPECIFICATIONS

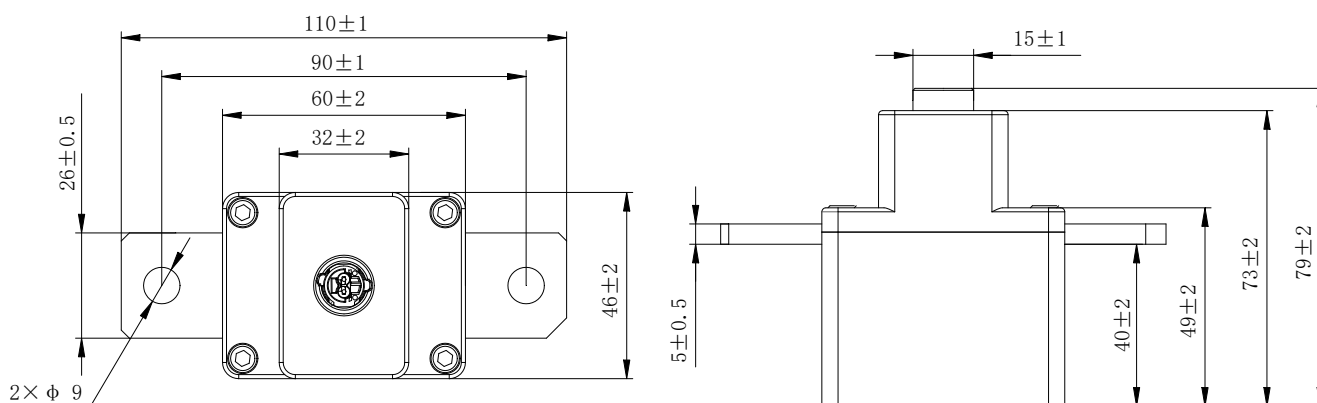
Part Number	Specifications		Parameter	Performance		Parameter
PFX3600000	Rated Current		600 A	Breaking	UL/CCC	-
	Ampere Code		3600	Capacity	Self-Certified	15 kA @1000 Vdc
	Rated Voltage		1000 Vdc	Temperature	RT-25°C	20
	Weight (g)		≤400	Rise (K)	RT-85°C	35.5
	Busbar	Cross-section	130 mm ²	Initiator Data	Initiator Resistance	2±0.3 Ω
		Resistance Before Op.	≤0.05MΩ		All- Fire Current	1.75A/0.5 ms
		Resistance After Op.	≥10 MΩ			1.2 A/2 ms
		Terminal Type	M8 Bolt		No-Fire Current	0.4 A/10 s
	Connectors		Ø11 mm-AK2		Diagnostic Current	100 mA
	Storage Temperature		-40°C~85°C	Altitude		≤5000 m
	Operating Temperature		-40°C~120°C	Interrupting Time		See T-C Curve

Part Number	Specifications		Parameter	Specifications		Parameter
PFX3800000	Rated Current		800A	Breaking	UL/CCC	-
	Ampere Code		3800	Capacity	Self-Certified	15 kA @1000 Vdc
	Rated Voltage		1000 Vdc	Temperature	RT-25°C	26
	Weight (g)		≤400	Rise (K)	RT-85°C	35
	Busbar	Cross-section	130 mm ²	Initiator Data	Initiator Resistance	2±0.3 Ω
		Resistance Before Op.	≤0.05 MΩ		All-Fire Current	1.75 A/0.5 ms
		Resistance After Op.	≥10 MΩ			1.2 A/2 ms
		Terminal Type	M8 Bolt		No-Fire Current	0.4 A/10 s
	Connectors		Ø11 mm-AK2		Diagnostic Current	≤100 mA
	Storage Temperature		-40°C~85°C	Altitude		≤5000 m
	Operating Temperature		-40°C~120°C	Interrupting Time		See T-C Curve

Table 1

DIMENSIONS (mm)

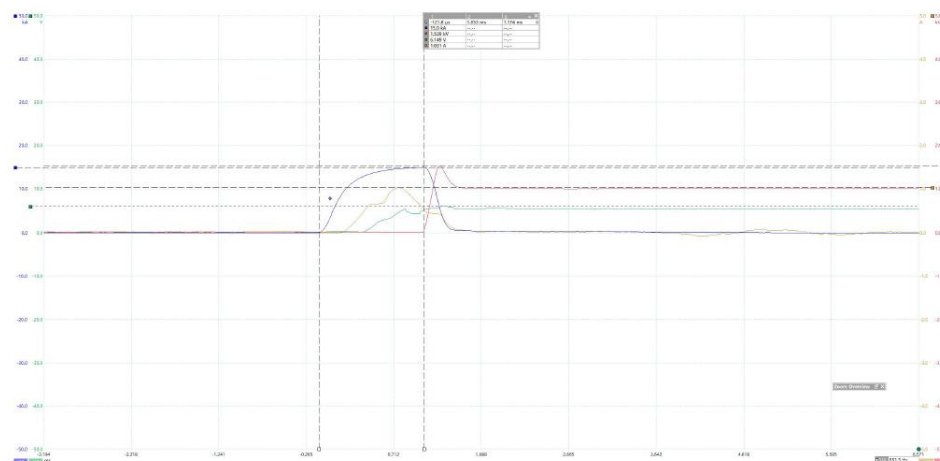
PFX3600000 / PFX3800000



PERFORMANCE

测试波形

(蓝: 回路电流; 红: 回路电压; 绿: 触发电压; 棕: 触发电流)



1000V 15kA 分断曲线 电感 15 μ H

PACKING INFORMATION

product No.	BOX size (mm)	Packing quantity / per container	Weight / PCS (g)	Recommended Screw	Recommended tightening torque (N·m)
PFX3600000	395×265×230	18 pcs	345±3%	M8	12±1
PFX3800000	395×265×230	18 pcs	345±3%	M8	12±1

WEB RESOURCES

Download the latest technical documents: www.adlerelectric.com. Specifications are subject to change without notice.