



## EV PYROTECHNIC FUSE

### PFX 1000 Vdc Pyrofuse



#### 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 600A.

#### AGENCY INFORMATION

- Designed to LV124, AK-LV 16.
- Manufactured under IATF 16949 quality system.
- RoHS and REACH Compliant.

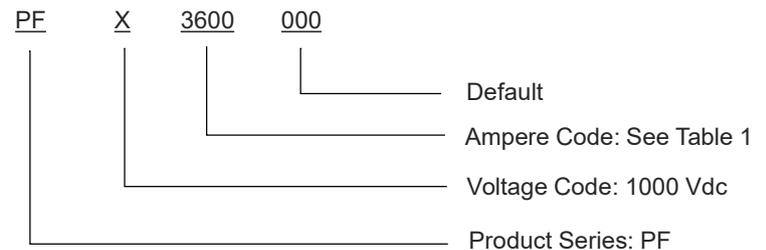
#### APPLICATIONS

- BMS Protection
- Battery Charging Protection

#### FEATURES

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

#### PART NUMBERING SYSTEM



#### ELECTRICAL SPECIFICATIONS

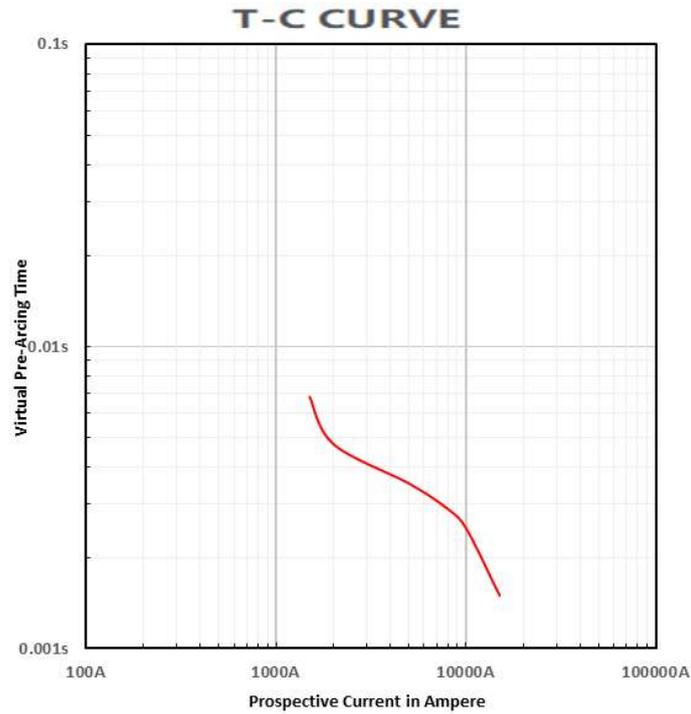
Part Number	Specifications	Parameter	Performance	Parameter		
PFX3600000	Rated Current	600A	Breaking	UL/CCC	-	
	Ampere Code	3600	Capacity	Self-Certified	15kA @1000 Vdc	
	Rated Voltage	1000 Vdc	Temperature rise (K)	RT-25°C	20	
	Weight (g)	$\leq 400$		RT-85°C	35.5	
	Busbar	Cross-section	130mm <sup>2</sup>	Initiator Data	Initiator Resistance	2 $\pm$ 0.3 $\Omega$
		Resistance before op.	$\leq 0.05$ m $\Omega$		All- Fire current	1.75A/0.5ms
		Resistance after op.	$\geq 10$ M $\Omega$			1.2A/2ms
		Terminal type	M8 Bolt		No- Fire current	0.4A/10s
		connectors	$\varnothing 11$ mm-AK2			Diagnostic current
	Storage temperature	-40°C~85°C		Altitude	$\leq 5000$ m	
	Operating temperature	-40°C~120°C		Interrupting time	See T-C Curve	

Table 1

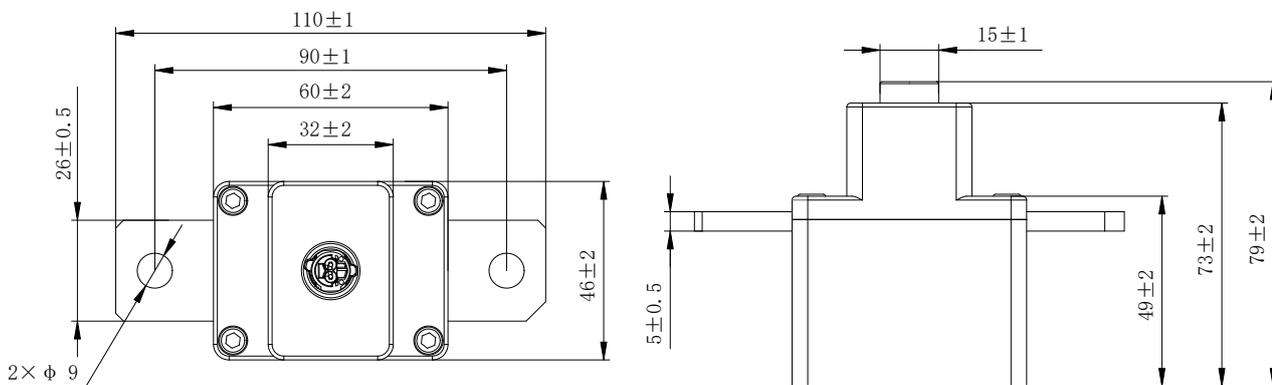
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**DIMENSIONS (mm):**



**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	18pcs	345±3%	M8	12±1

**WEB RESOURCES**

Download the latest technical documents: [www.adlerelectric.com](http://www.adlerelectric.com). Specifications are subject to change without notice.

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#### 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 800A.

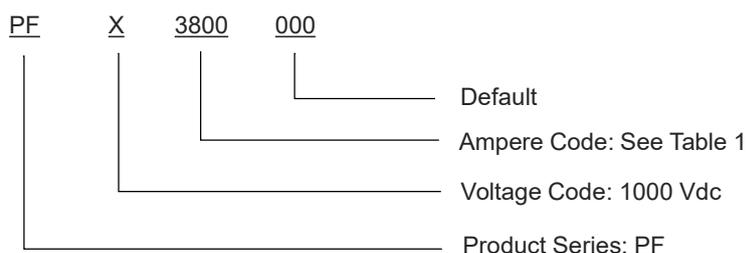
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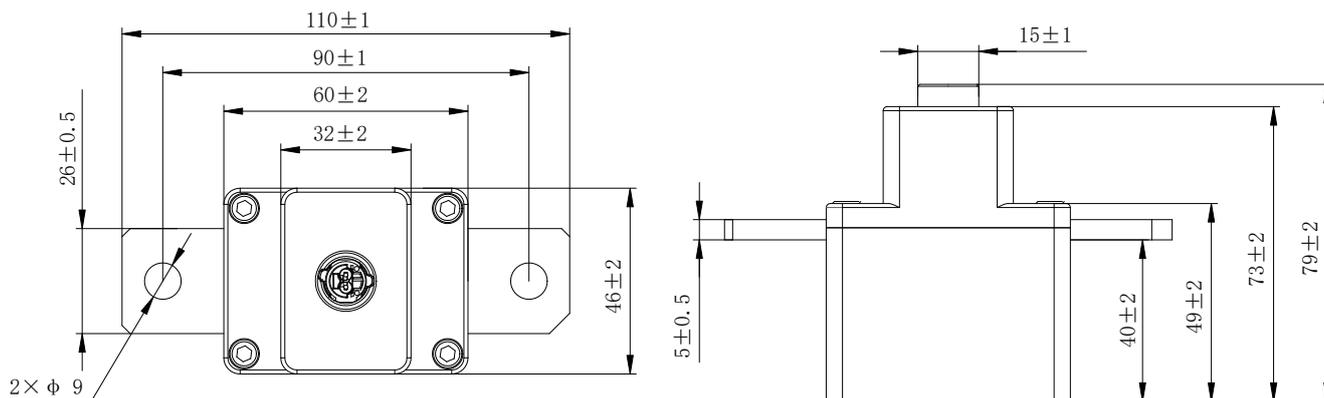


#### ELECTRICAL SPECIFICATIONS

Part Number	Specifications	Parameter	Specifications	Parameter		
PFX3800000	Rated Current	800A	Breaking Capacity	UL/CCC	-	
	Ampere Code	3800		Self-Certified	15kA @1000Vdc	15kA @1000Vdc
	Rated Voltage	1000Vdc	Temperature rise (K)	RT-25°C	26	
	Weight (g)	$\leq 400$		RT-85°C	35	
	Busbar	Cross-section	130mm <sup>2</sup>	Initiator Data	Initiator Resistance	2 $\pm$ 0.3 $\Omega$
		Resistance before op.	$\leq 0.05$ m $\Omega$		All-Fire current	1.75A/0.5ms
		Resistance after op.	$\geq 10$ M $\Omega$			1.2A/2ms
		Terminal type	M8 Bolt		No-Fire current	0.4A/10s
		connectors	$\varnothing 11$ mm-AK2		Diagnostic current	$\leq 100$ mA
	Operating temperature	-40°C~120°C	Storage temperature		-40°C~85°C	
				Altitude	$\leq 5500$ m	

Table 1

**DIMENSIONS (mm)**



**PACKING INFORMATION**

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

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