

PF6 600 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 600V 20kA @2uH and operating time $\leq 2\text{ms}$.
- Full coverage of battery module current

DESCRIPTION

Adler PF series EV 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 600 Vdc in ratings 600A.

AGENCY INFORMATION

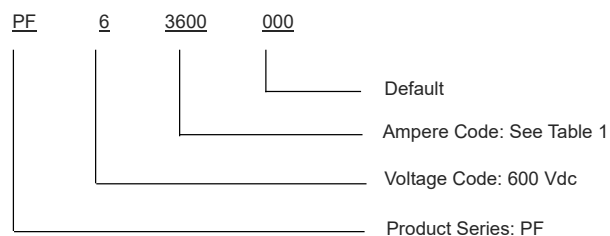
- Designed to LV124, AK-LV 16
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

APPLICATIONS

BMS Protection

Battery Charging Protection

PART NUMBERING SYSTEM

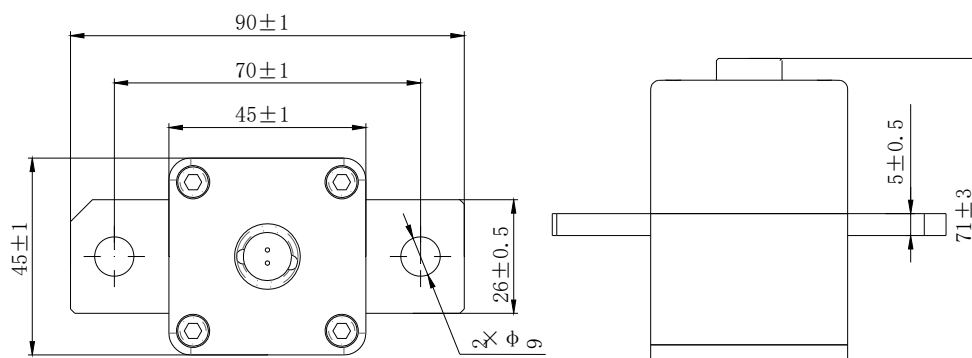


ELECTRICAL SPECIFICATIONS

Part Number	Performance		Parameter	Performance		Parameter
PF63600000	Rated Current		600A	Breaking	TUV**	-
	Ampere Code		3600	Capacity	Self-Certified	20kA @600Vdc
	Rated Voltage		600Vdc	Temperature rise	RT-25°C	20
	Weight (g)		≤ 400	(K)	RT-85°C	25
	Busbar	Cross-section	130mm ²	Initiator Data	Initiator Resistance	$2 \pm 0.3 \Omega$
		Resistance before op.	$\leq 0.025\text{m} \Omega$		All-Fire current	1.75A/0.5ms
		Resistance after op.	$\geq 10\text{M} \Omega$			1.2A/2ms
		Terminal type	M8 Bolt		No-Fire current	0.4A/10s
	Operating temperature		-40°C~125°C	Environmental temperature		-40°C~125°C
	Storage temperature		-40°C~65°C	Altitude above sea level		$\leq 5500\text{m}$
				Diagnostic current		$\leq 100 \text{ mA}$

Table 1

DIMENSIONS (mm):



PACKING INFORMATION

Fuse Size	Box specifications (mm)	Packing quantity / per container	Weight / PCS (g)	Recommended Screw	Recommended tightening torque (N·m)
PF63600000	395×265×230	24pcs	348±3%	M8	12±1

WEB RESOURCES

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

ADLER Elektrotechnik Leipzig GmbH (Headquarters)
Add: Haynaer Weg 16 04435 Schkeuditz Germany
TEL: +49 34207 973636 FAX: +49 34207 973635

Document No: PF636DS01 A/2
Effective Date: 20240423

adlerelectric.com info@adlerelectric.com
ADLER Elektrotechnik Xi'an Co. Ltd. (Manufacturing)
ADLER Elektrotechnik Dongguan Co. Ltd. (Manufacturing)