

产品规格书
PRODUCT SPECIFICATION

客户名称/Customer	
客户料号/Part No	
客户承认签章 Customer Approved Signatures	

供方/Supplier	友容新源电气（昆山）有限公司
文件编号/Spec No	CF-PS01801001
品名/Description	FUSE
型号/Model	FDH-(450- 600)A
日期/Date	01/02/2018
设计/Designed	批准/Approved
胡曾	kevin

地址：中国江苏省昆山市周市镇陆扬友谊北路153号
ADD:No.153, Youyi North road, Zhoushi Town, Kunshan City,
Jiangsu Province in china

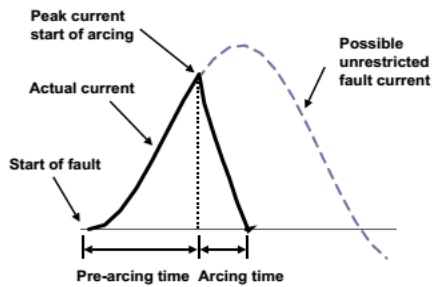
电话/Tel: 86-512-36698841

传真/Fax: 86-512-36698843

Http: www.cfriend-electric.com

FDH-FUSES Fuses for Semiconductor Protection IEC60269-4 standard

SIZE	Rated Voltage	Operating Class	Rated Breaking Capacity
51	dc500V ac500V	aR	500Vdc@20kA 500Vac@100kA



型号 Product model

- FDH-□□□A

型号诠释 Product interpretation

FD H-□□□A

- ① ② ③

- ① 美式安装快速半导体设备保护用熔断体
AmericanStandardFast-actingSemiconductorProtectionFuseLink
- ② 电压等级 Rated voltage : H:500V
- ③ 额定电流 Rated current : A

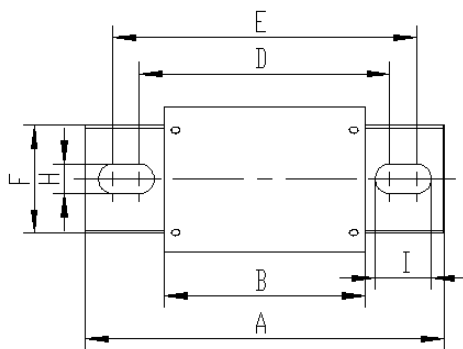
描述 Description

- 安全可靠的螺栓连接方式 Safe and reliable connecting way of bolt-on
- 优越的电气性能，快速保护EV汽车系统，迅速切断系统中的故障电流。

Excellent electric performance, quick protection for EV system, cut down the fault current of the system.

- 设计符合 IEC60269-4 Product design conforms to IEC60269-4
- 产品过程符合IATF16949质量管理体系要求 Product process conforms to IATF16949
- 产品、包装符合RoHS Product and Package conforms to RoHS

外形尺寸 Dimensions



单位/ unit: mm

A	110 +1.5/-1.5
B	53 +0.5/-0.1
C	51 +0.2/0
D	71 +1/-1
E	90 +1/-1
F	38 +0.3/-0.3
G	6 +0.2/-0.2
H	10.5 +0.5/-0.5
I	20 +0.5/-0.5

物料选择 Selection and ordering data

Rated current 【A】	Rated voltage 【V】	Part Number	Power Loss 【w】	Pre-arcing I2t 【A2S】	Total@500V I2t 【A2S】	Weight 【Kg/1】	Pack
450	500	FDH-450A	80	39000	164000	0.42	1
500		FDH-500A	82	45600	202000		
600		FDH-600A	100	67100	292000		

使用条件 Operating condition

No	项目 Item	要求 Requirements
1	使用电压范围 Operating voltage	≤500V
2	使用环境 Operating environment	-40℃~85℃ RH<50%(≥40℃) RH<90%(≤20℃)
3	保存环境 Storage environment	-5℃~40℃ RH<75%
4	海拔高度 altitude	≤3000m
5	安装扭矩 Install torque	M10 22±1N.m
6	污秽等级 Pollution level	III

时间电流特性曲线 Time- Current Characteristics Curve

时间-电流曲线 (Time - Current Curve)

