

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 CFriend Electric (Kunshan) CO.,LTD
文件编号/Spec No	CF-PS211210006
品名/Description	FUSE
型号/Model	ESS315-xxxH/E
日期/Date	09/11/2021
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



ESS3

ESS315-FUSES Fuses for Semiconductor Protection IEC60269-4 standard

SIZE	Rated Voltage	Operating Class	Rated Breaking Capacity
3	1500Vdc	aR	< 700A@250kA 700A&750A@100kA
			TC: < 5ms

型号 Product model

●ESS315-xxxH/E

型号诠释 Product interpretation

ESS 3 15 - 400 H
① ② ③ ④ ⑤

①：表示应用 (GD：轨道 ESS储能) Application (rail traffic ESS energy storage)

②：表示管号 Tube size

③：表示电压=数字*100Vdc Rated voltage = No.*100Vdc

④：表示电流A Rated current A

⑤：安装方式 (H：平端安装 U：勾叉安装 E：美式安装...) 字母后加D表双体

Ways of mounting(H: Flush end U: hook E: US style...) follow by B means dual body design.

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，迅速切断系统中的故障电流。

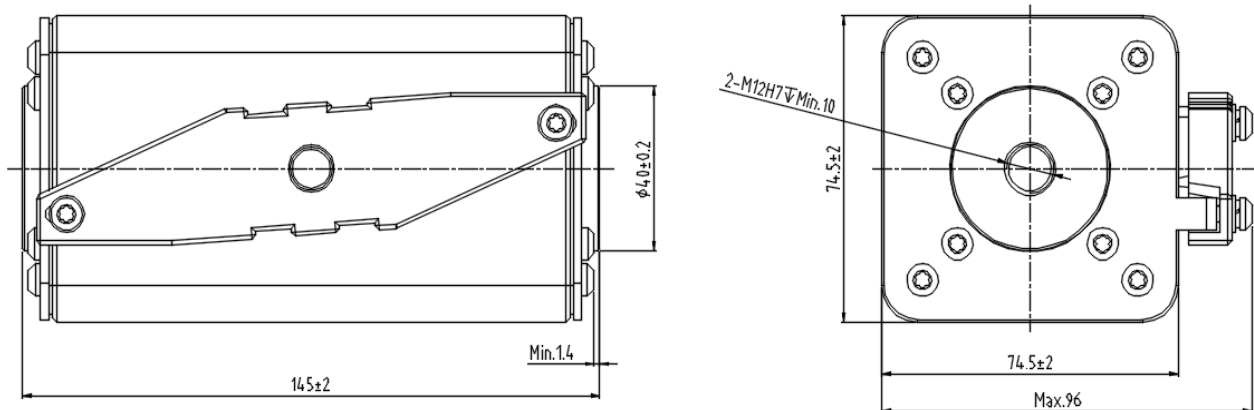
Excellent electric performance, cut down the fault current of the system.

●设计符合 IEC60269-4 Product design conforms to IEC60269-4

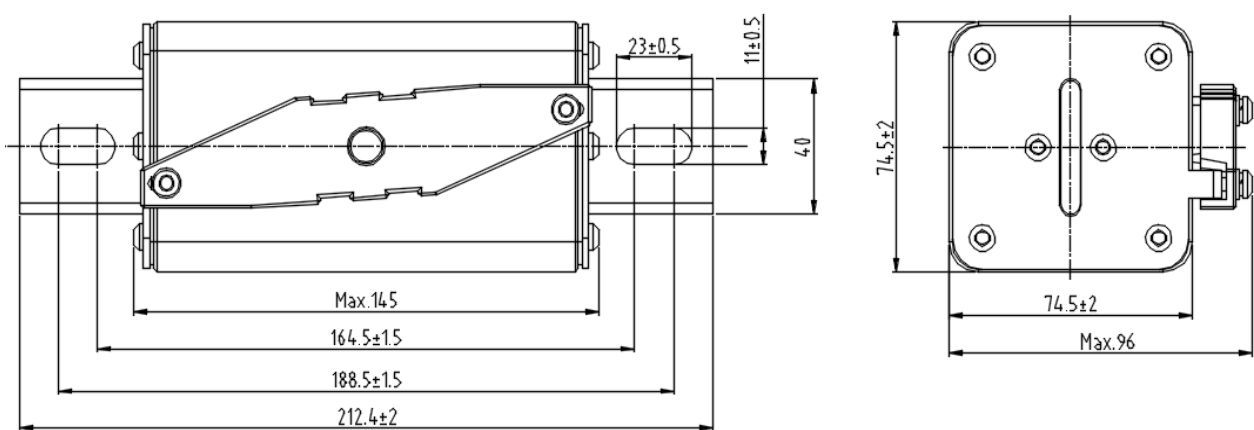
●产品过程符合IATF16949质量管理体系要求 Product process conforms to IATF16949

●产品、包装符合RoHS Product and Package conforms to RoHS

外形尺寸 Dimensions



ESS315-XXXH

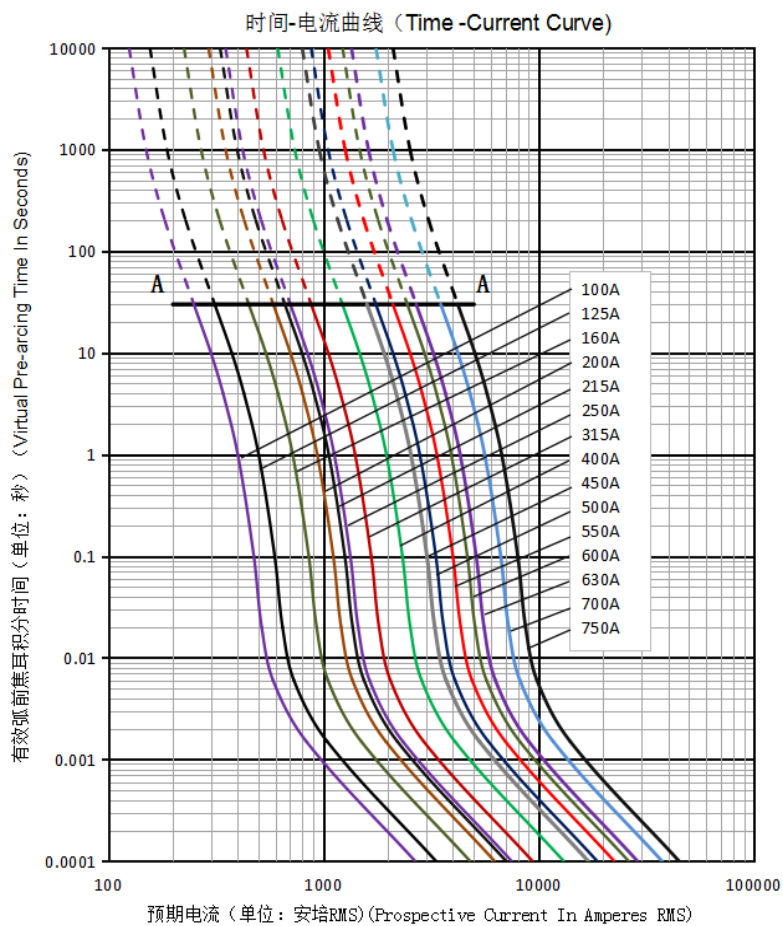


ESS315-XXxE

物料选择 Selection and ordering data

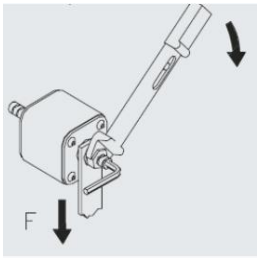
Rated current 【A】	Rated voltage 【V】	Part Number		Power Loss 【W】	Pre-arcing I^2t 【A ² S】	Total@1500V I^2t 【A ² S】	Pack
100	1500Vdc	ESS315-100H	ESS315-100E	40	1100	7000	1
125		ESS315-125H	ESS315-125E	50	2000	11000	
160		ESS315-160H	ESS315-160E	65	3800	18000	
200		ESS315-200H	ESS315-200E	75	5800	35000	
250		ESS315-250H	ESS315-250E	85	13500	72000	
315		ESS315-315H	ESS315-315E	90	23800	135000	
350		ESS315-350H	ESS315-350E	100	33600	175000	
400		ESS315-400H	ESS315-400E	108	58500	310000	
450		ESS315-450H	ESS315-450E	120	75000	350800	
500		ESS315-500H	ESS315-500E	130	95000	455000	
550		ESS315-550H	ESS315-550E	140	108000	513000	
600		ESS315-600H	ESS315-600E	150	158000	721000	
630		ESS315-630H	ESS315-630E	158	168000	785000	
700		ESS315-700H	\	175	253000	1188000	
750		ESS315-750H	\	190	348000	1958000	

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



使用条件 Operating condition

No	项目 Item	要求 Requirements
1	使用电压范围 Operating voltage	$\leq 1500V$
2	使用环境 Operating environment	$-40^{\circ}C \sim 85^{\circ}C$ $RH < 50\% (\geq 40^{\circ}C)$ $RH < 90\% (\leq 20^{\circ}C)$
3	保存环境 Storage environment	$-5^{\circ}C \sim 40^{\circ}C$ $RH < 75\%$
4	海拔高度 altitude	$\leq 2000m$ (超过范围请咨询厂商)
5	安装扭矩 Install torque	M12(8.8) studs:8Nm M12(8.8) nuts:39Nm M10:22Nm



6	污秽等级 Pollution level	III
---	----------------------	-----