



Ordering Information:

VAH2S-XXX A XXX V

— Voltage rating

— Current rating

The Industry's Fastest EV(Electric Vehicle) Fuse

Assures Protection of Components and Auxiliary Loads
From the Leader in Circuit Protection

Vicfuse EV fuses address the design factors
that determine fuse life expectancy in EV applications:

VAH2S

Auxiliary circuit protection fuse for electric compressors,
DC converters and other application

Percentage of change in fuse current carrying capacity

Standard: JASO D622

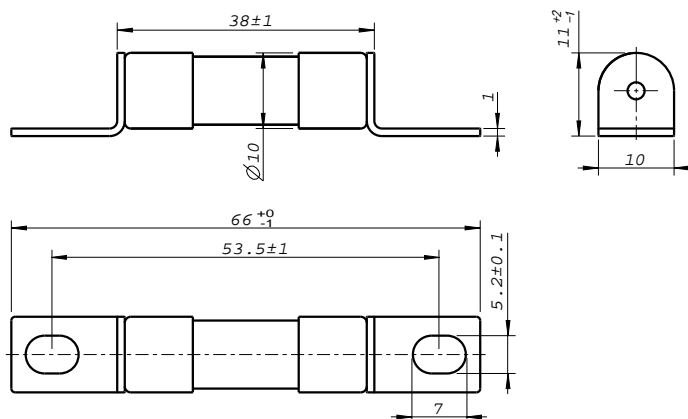
Ratings:

Voltage Rating :500V DC

Current Rating :1A-80A

Interrupt Rating : 30kA(1A-30A) 20kA(40A~50A) 5kA(60A-80A)

Mechanical Dimensions:(mm)



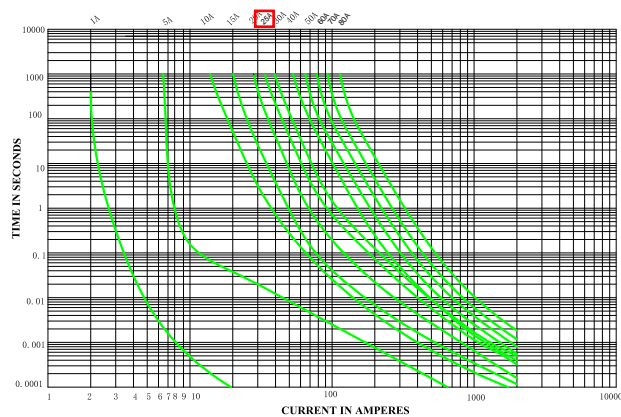
Power Fuses

● Specifications:

Ampere Rating (A)	Bolt-in		Solder to PCB		Diameter
	Part Number	Bolt Size	Part Number	Size	
1	2751	M4	2601	Refer to the aspect	6.4mm
5	2752		2605		
10	2746		2610		
15	2753/2729		2611/2725		6.4/7.2mm
20	2731		2726		7.2mm
30	2737		2728		
15	2744	M5	—	Refer to the aspect	10.3mm
20	2743		2643		
25	2745		2644		
30	2742		2645		
40	2748		—		
50	2749		—		
60	2750		—		
70	2751		—		
80	2752		—		

* Details are available upon request.

● Electrical Characteristic:



■ Temperature Correction Curve Kc

The rated current value of our fuses is based on the ambient temperature in the space below the fuse of 25°C up to 30°C max. The following graph gives correction factors Kc for a range of temperatures -55°C to +125°C.

Altitude: IEC defines normal atmospheric operating conditions. Regarding the altitude, it's generally below 2000M. For altitude above 2000M, the fuse's rated current is derated by 0.5% every 100M.

■ 温度折减率曲线Kc

熔断器的额定电流定义在温度为20°C最大不超过30°C，左图给出了从-55°C到+125°C时的温度修正曲线。

高海拔对熔断器的使用影响：IEC标准规定，熔断器在海拔2000米下使用性能不受影响；高过2000米海拔高度，每升高100米，熔断器的额定电流减少0.5%

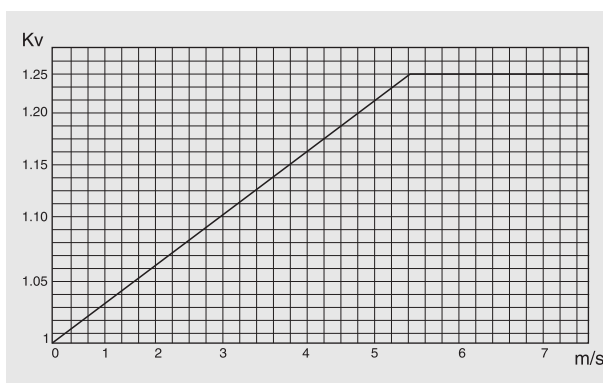


■ Forced cooling correction coefficient Kv

If forced air is used to cool the fuse in working, the continuous current rating of the fuse may be increased, by multiplying the rated current by a coefficient Kv. The value of the correction coefficient used by vicfuse is shown in the right chart above. Kv increases linearly with air speed up to 5m/s. Further increase in air speed does not improve the fuse cooling. The limiting value Kv is typically 1.25. Often, box mounted fuses are given an additional Kv factor of 0.8.

■ 冷却条件Kv

如果采用风冷方式对工作中的熔断器进行降温，则熔断器的负载在风速为5米/秒时的系数为1.25，高过此风速对熔断器的额定负载无影响，通常封闭环境内的Kv=0.8.



风速修正系数曲线