



Ordering Information:

VC10-XXX A XXX VXX I

Striker(Optional)

AC, DC

Voltage Rating

Current rating

Notes:

The mounting type is optional. Followed by P1 for PCB 1 series and P2 for PCB2 white ordering (eg VC10-10A700VP1)

VC10

Description:

The VC10 is a fast acting, full range fuse used in the protection of inverters, UPS, variable speed drives and other discrete semiconductor devices.

Features:

- . Designed according to IEC60269-4
- . Complying with CE and RoHS
- . Operating class: aR or gR
- . Extremely fast acting
- . Low I^2t for improved semiconductor protection
- . Excellent cycling capability
- . Current limiting

Ratings:

Voltage Rating: 700V AC/DC

Current Rating: 0.1A- 40A

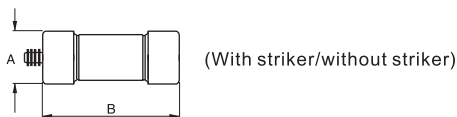
Interrupt Rating: 20kA

30kA

160kA@700V AC

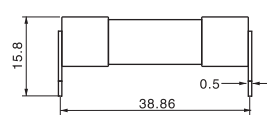
(160kA breaking capacity is self-certificate)

- **Mechanical Dimensions:**

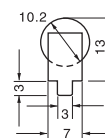


Catalog Numbers	Mechanical Dimensions(mm)	
	A	B
VC10	10	38

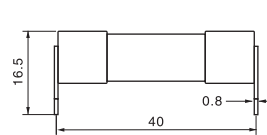
PCB1 SERIES:



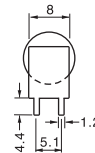
700V AC/DC



PCB2 SERIES:



(Only for VC 10)



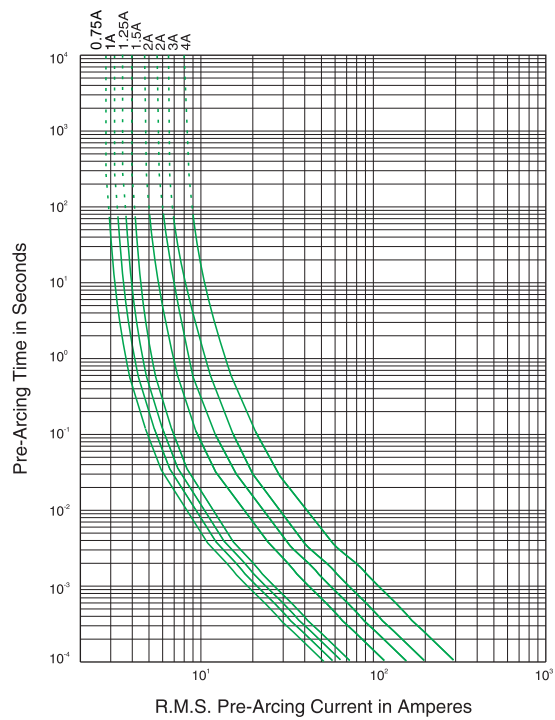
● Electrical Specifications:

Catalog Numbers	Current Rating(A)	Pre-arc I ² t(A ² S)	Clearing I ² t(A ² S)	Power Loss (W)	Voltage Rating	Interrupt Rating	Note	Agency Certification	
								UL	TUV
VC10	0.44	0.054	0.15	0.62	700VACDC	20kA 30kA 160kA@700V AC (160kA breaking capacity is self-certificate)		●	×
	0.75	0.15	0.457	0.5				●	×
	1	0.17	0.477	0.8				●	×
	1.25	0.18	0.544	1.5				●	×
	1.5	0.3	0.8	1.2				●	×
	2	0.93	2.44	1.3				●	×
	2.5	1.6	4.44	1.4				●	×
	3	2.8	7.77	1.5				●	×
	4	5.2	11.66	1.7				●	×
	5	6.3	29.5	0.9				●	×
	6	8.4	39	1.4				●	×
	10	5.3	32	1.9				●	●
	11	6.6	54	2.1				●	●
	12.5	11	88	2.8				●	●
	16	18.5	138	3.0				●	●
	20	38.3	242	3.7				●	●
	25	68	421	4.3				●	●
	30	106	670	4.8				●	●
	32	153	940	5.1				●	●
	40	-	-	-				×	●

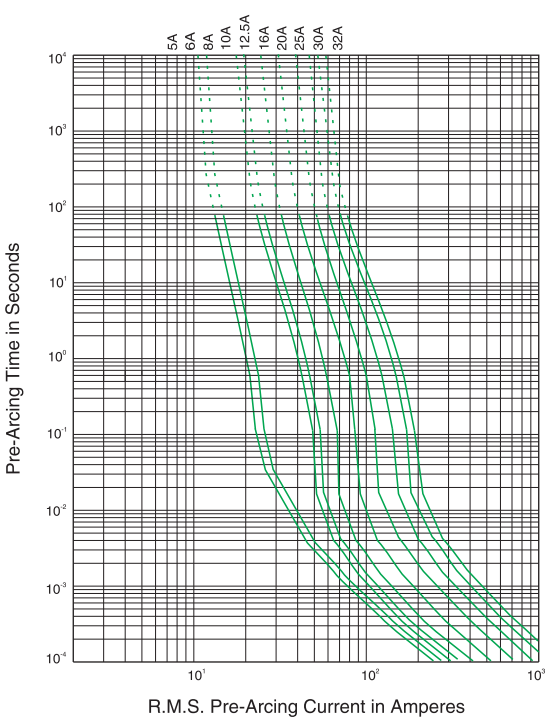
- Obtained Certification
- × Certification Pending

● Electrical Characteristics:

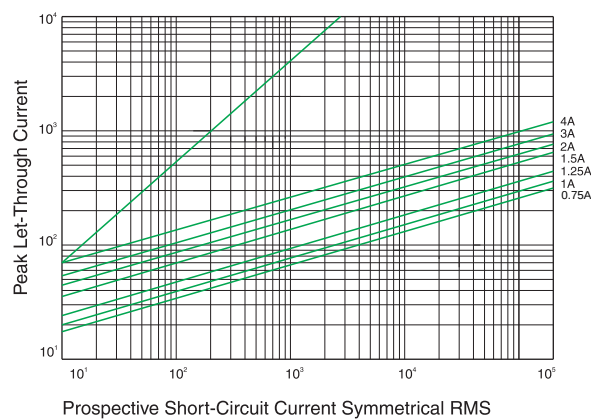
Average Time-Current Curve



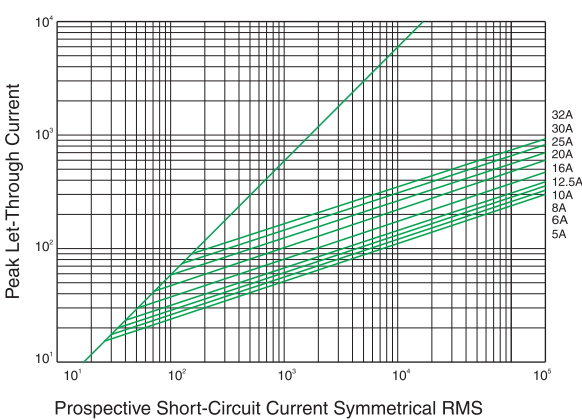
Average Time-Current Curve



Peak Let-Thru Curve



Peak Let-Thru Curve



■ 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%-1%

