VC Series Fuses（10×38）

E356490

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 VC10-10A 1000V P1)

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
. Extremely fast acting
. Low I^2t for improved semiconductor protection
. Excellent cycling capability
. Current limiting
. Low minumum breaking capacity(MBC)

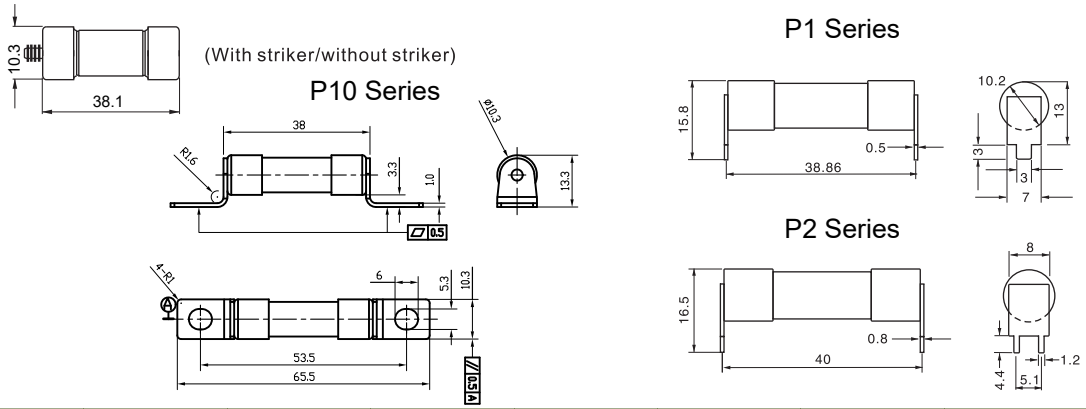
Ratings:

Voltage Rating: 1000VACDC

Current Rating: 0.1-40A

Interrupt Rating: 10kA@1000VACDC

Mechanical Dimensions:



Electrical Specifications:

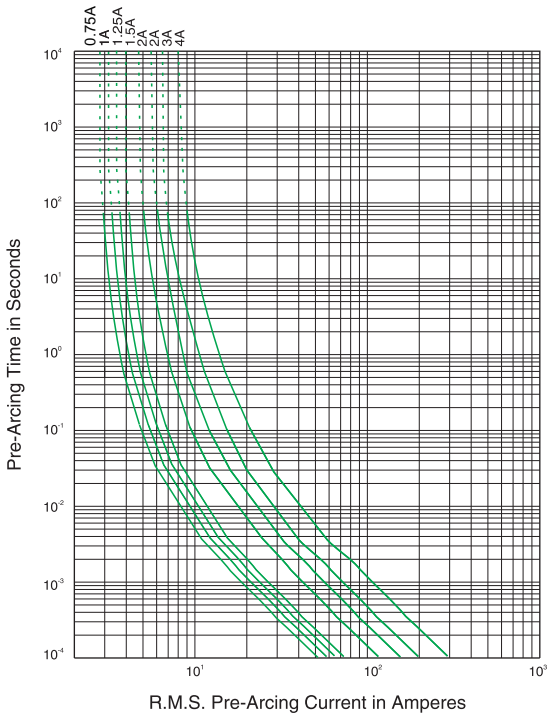
Catalog Numbers	Current Rating(A)	Pre-arc $I^2t(A^2S)$	Clearing $I^2t(A^2S)$	Power Loss (W)	Voltage Rating	Interrupt Rating	Note	Agency Certification	
								UL	TUV
VC10	0.44	0.054	0.15	0.62	1000VAC/DC	10kA		●	×
	0.75	0.15	0.457	0.5				●	×
	1	0.17	0.477	0.8				●	×
	1.25	0.18	0.544	1.5				●	×
	1.5	0.3	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	66.6	11.66	1.7				●	×
	5	77.4	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	328	2120	7.7		1500A		×	×

● Obtained Certification

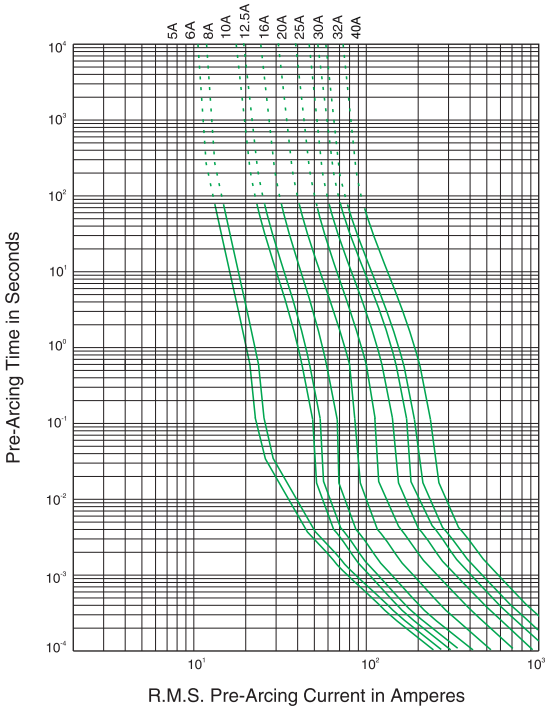
× Certification Pending

● Electrical Characteristics:

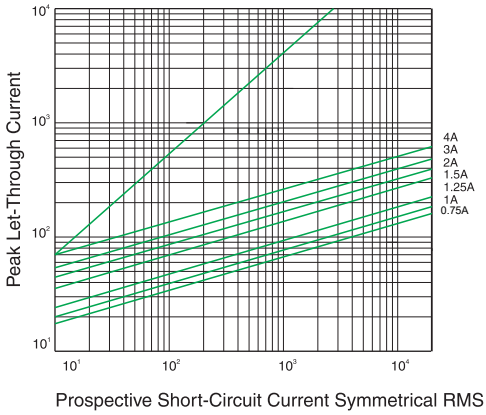
Average Time-Current Curve



Average Time-Current Curve



Peak Let-Thru Curve



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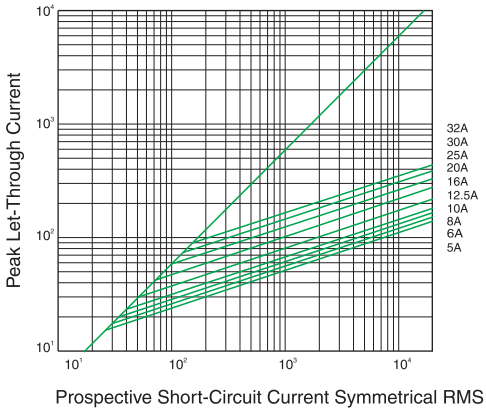

Temperature Correction Curve Kc

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

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℃最大不超过30℃，左图给出了从-55℃到+125℃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%