VT Series (Telecommunication) Protection

E356490

Description:

VT1 series fuses are specially designed for telecommunication protection.

Features:

. Designed according to UL
. Complying with CE and RoHS
. Multiple mounting configurations.
· UL certified (File No.E356490)

Ratings:

Voltage Rating: 170V DC
Current Rating: 1A-125 A
Interrupt Rating: 100kA/170VDC

Ordering Information

VTXXX - XXX A XXX V DC XX

- Mounting type: P0-P4
- Voltage rating
- Curre nt rating
- Size code: 1,2,3,4

Notes:

For VT1 fuses moun ting type codes P1(Fig.1(b), P2(Fig.1(c)), P3(Fig.1(d)) and P4(Fig.1(e)) should be added at the end of voltage rating code (P0 is default). Eg. VT1S-10A170V P1

Current Rating Information (Unit:A)

VT1			
1	10	35	80
2	15	40	90
3	20	50	100
5	25	60	110*
6	30	70	125*

*Available in standard cartridge only

Mechanical Dimensions

P0

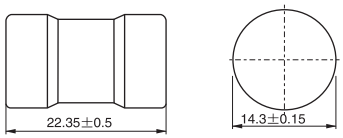


Fig.1(a)

P1

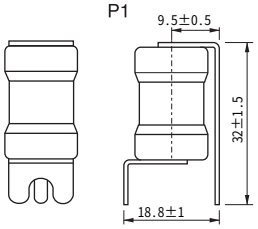


Fig.1(b)

P2

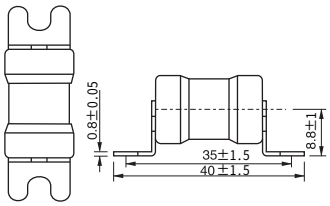


Fig.1(c)

P3

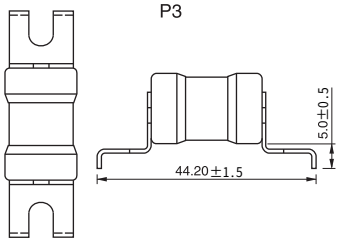


Fig.1(d)

P4

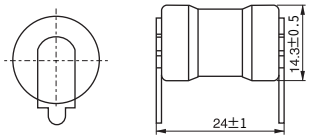


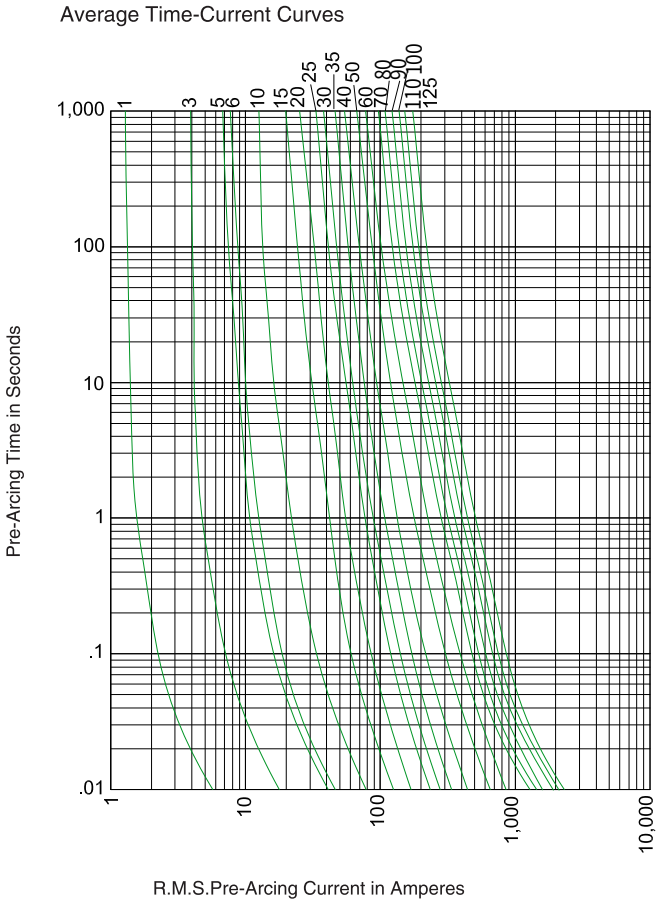
Fig.1(e)

VT Series (Telecommunication) Protection

Electrical Specifications

Catalog Numbers	Cureent Rating (A)	Nominal Melting(A^2S)	Power Loss @0.8 I_n (W)	Voltage Rating	Interrupt Rating	Remarks
VT1	1	0.390	-	170VDC	100kA	N/A
	2	0.450	-			
	3	4.900	-			
	5	16.20	-			
	6	41.20	-			
	10	169.00	-			
	15	196.00	-			
	20	240.00	-			
	25	360.00	-			
	30	776.00	-			
	35	2100.00	-			
	40	2335.00	-			
	45	3510.00	-			
	50	4900.00	-			
	60	7500.00	-			
	70	8100.00	-			
	80	10110.00	-			
	90	13100.00	-			
	100	14600.00	-			
	110	15400.00	-			
	125	17900.00	-			

● Electrical Characteristics:

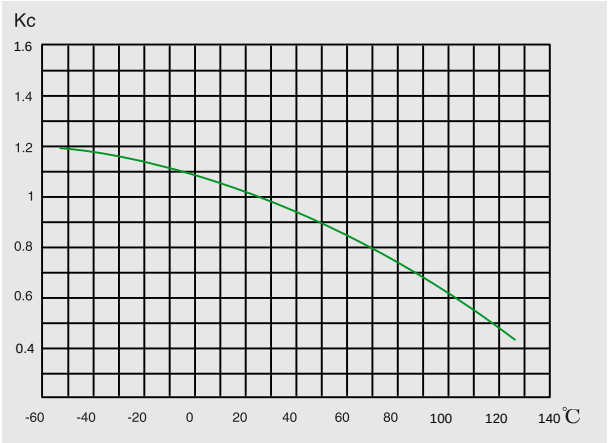


■ **Temperature Correction Curve Kc**

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%