



RoHS



A type Contacts

B type Contacts

Ordering Information:

VRX-XXX X XXX V XX

AC, DC
Voltage rating
Contact type code
Current rating

Notes: Contact type: A or B

Description:

VRX semiconductor protection fuses are intended for the protection of power semiconductors such as diodes, phase control SCR's and other power semiconductor devices. The VRX is recommended for new applications providing solutions for your critical protection needs at 300V and less semiconductors.

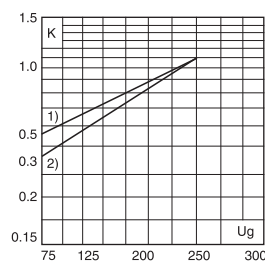
Features:

- Designed according to UL248
- Complying with CE and RoHS
- Suitable for sort-circuit
- Operating class: aR

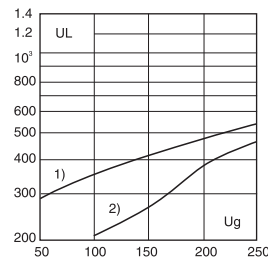
Ratings:

Voltage Rating: 300V AC/DC
Current Rating: 35A-4500A
Interrupt Rating: 200kA AC
35A-400A: 100kA DC
450A-4500A: 50kA DC

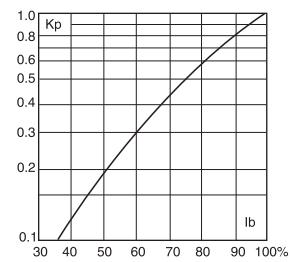
Electrical Characteristics



1) 35-800 Amp Range
2) 1000-4500 Amp Range



1) 35-800 Amp Range
2) 1000-2500 Amp Range



Mechanical Dimensions:

A type Contacts

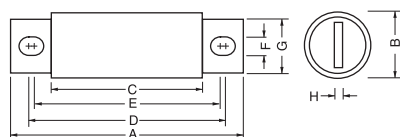


Fig.1

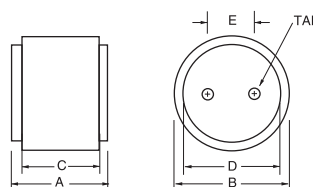


Fig.2

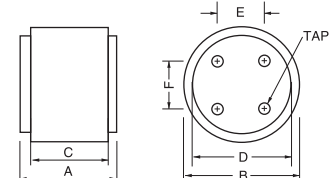
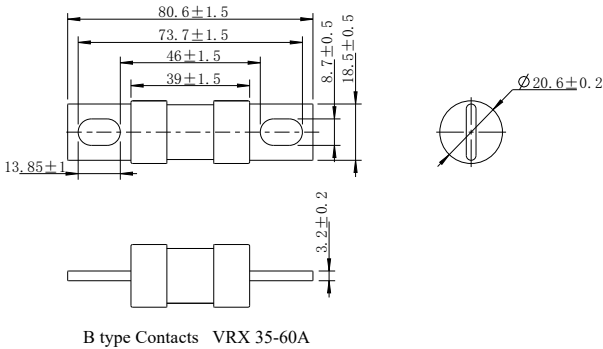


Fig.3

Catalog Numbers	Ref.Fig	Current Rating(A)	Mechanical Dimensions(mm)								TAP
			A	B	C	D	E	F	G	H	
VRX	1	35-60	81±1.5	21±0.2	41±1.5	64±1.5	58±1.5	8.8±0.5	18±0.5	3±0.3	-
	1	70-200	80±1.5	31±0.2	41±1.5	61±1.5	55.6±1.5	8.8±0.5	25.4±0.5	4.8±0.3	-
	1	225-600	98±2	38.1±0.2	41±1.5	75±1.5	58±1.5	10.4±0.5	25.4±0.5	6.35±0.3	-
	2	700-1200	98±2	76±1	59±2	64±1	38±0.5	-	-	-	-
	3	1500-2500	66±2	89±1	60±2	76±1	38±0.5	38±0.5	-	-	-
	3	3000-4500	66±2	114±1	59±2	95±1	38±0.5	38±0.5	-	-	-



● 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	Remark
VRX	35	100	900	5.0	300V AC 300V DC	200kA@300V AC 100 kA@300V DC	aR A/B type Contacts
	40	120	1200	6.2			
	45	160	1450	6.8			
	50	200	2000	7.2			
	60	275	2650	9.7			
	70	650	1550	8.6			
	80	860	2550	9.7			aR
	90	1140	3160	10.8			
	100	1470	4060	12.0			
	125	2250	6260	15.0			
	130	2560	6270	16.0			
	150	3230	9260	18.8			
	175	4300	9900	22.2			
	200	5500	14600	26.4			
	225	6400	21700	28.8			
	250	8000	24500	32.4			
	275	9300	30600	37.2			
	300	11500	36600	38.4			
	350	21100	61300	46.8			
	400	29000	82600	52.8			
	450	44000	130000	58.8			
	500	56000	160000	64.8	300V AC 300V DC	200kA@300V AC 50 kA@300V DC L/R<1ms	
	550	685000	189000	37.1			
	600	82000	229000	74.4			
	700	97000	259000	86.4			
	800	117000	328000	100.8			
	900	126500	378000	104.3			
	1000	89000	455000	120.0			
	1200	183000	870000	123.6			
	1500	240000	1360000	168.0			
	1600	320000	1680000	168.0			
	1800	480000	1980000	173.1			
	2000	640000	2560000	181.2			
	2500	1340000	3980000	195.6			
	3000	1800000	4660000	320.0			
	3500	2540000	6470000	350.0			
	4000	4350000	8550000	440.1			
	4500	5600000	1100000	490.2			

● Electrical Specifications:

Average Time-Current Curves

