VD Series (DC Fuses)

E356490

Description:

VD series fuses are designed for protection DC circuit from general overload or short-circuit conditions for semiconductors: diodes, thyristors, GTO'S and IGBT devices Fuses are assemble with pure silver, die-cut elements embedded in solidified sand, which helps control arcing characteristics for a lower I^2t and high interrupting rating level. All contact surfaces are silver plated and all hardware is non-magnetic. They provide enough length for arcing, which will be turned off in the fuse body completely.

Features:

. Designed according to IEC60269-4, GB13539,GBT21413.5
. Complying with CE and RoHS
. Suitable for short-circuit protection(100kA Max)
. Satisfying application on third-rail current collection shoe
. Multiple mounting configurations
Terminal FS (Flush End)
Terminal D11 (DIN 43653)
Terminal FB (French Style)
Terminal AB (US Style)
Terminal BB (Buss-bar Style)
Terminal D08 (DIN 43620)
. Operating class: aR or gR

Ratings:

Voltage Rating: 750V-4200V
Current Rating: 6A-1600A
Interrupt Rating: 30kA-100kA

Ordering Information:

VDXXX- XXX A XXX V XX

- XXX: Size code
- XXX: Current rating
- XXX: Voltage rating
- XX: Terminal type code

Notes:

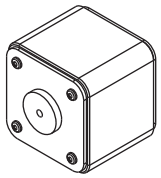
While terminal type is optional, the terminal type code should be indicated immediately behind the voltage rating, and the D11 type is default;
Indicator is K for type K indicator (default),etc.
While gR/aR are optional, aR is default and gR Should followed the indicator code,
Eg. VD2-400A750V FS-V-gR
If need other type indicator, please contact us.
While microswitch is necessary, the terminal type code should be followed by "M"
Eg. VD1-200A1200V FSM-K-gR

Terminal type code	Terminal type
FS	Terminal FS
D11	Terminal D11
FB	Terminal FB
AB	Terminal AB
BB	Terminal BB
D08	Terminal D08

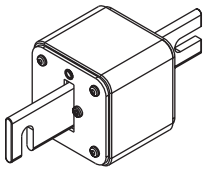
Size code	Maximum cross section size of body
0	45×45
1	53×53
2	68×68
3	76×76
4	85×85
5	118×118

VD Series (DC Fuses)

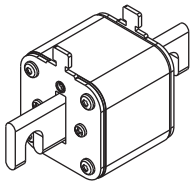
Terminal type:



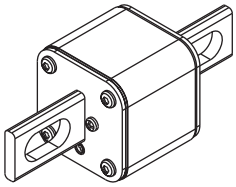
Terminal FS



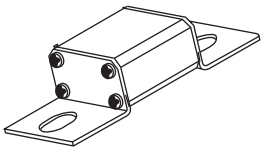
Terminal D11(L or LL)



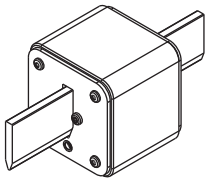
Terminal FB



Terminal AB(L or LL)



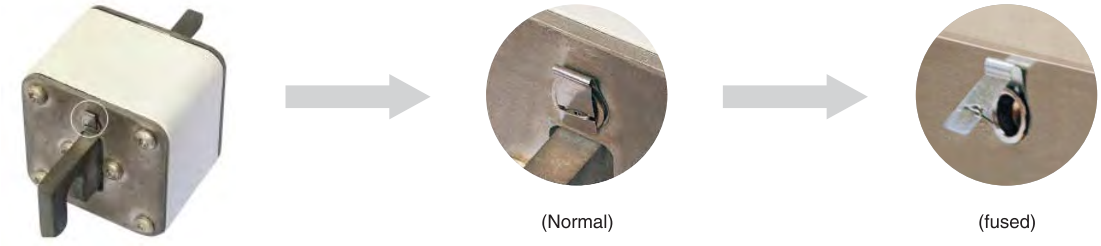
Terminal BB



Terminal D08

Electrical Specifications:

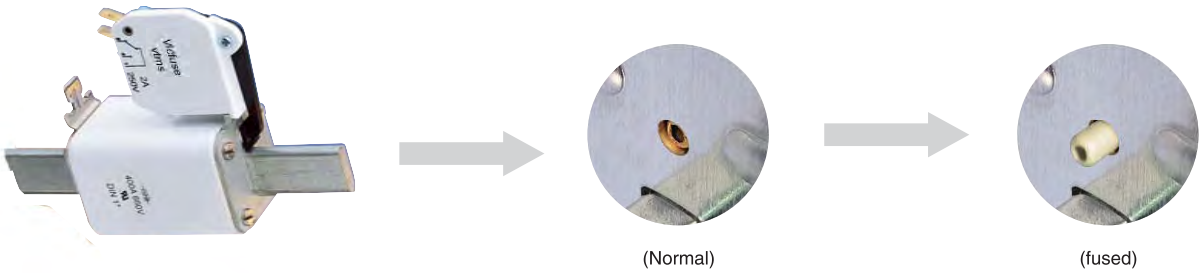
V-Visual Indicator



(Normal)

(fused)

Type T indicator



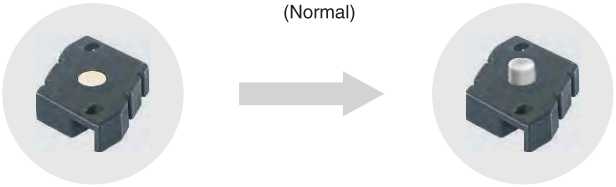
(Normal)

(fused)

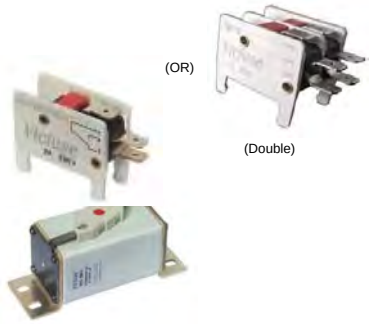
Electrical Specifications:

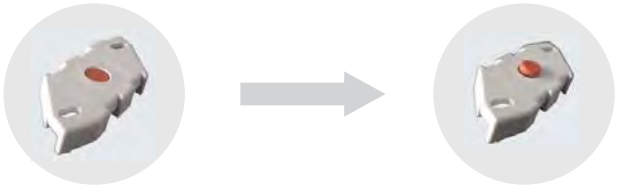
Type K indicator

(1)

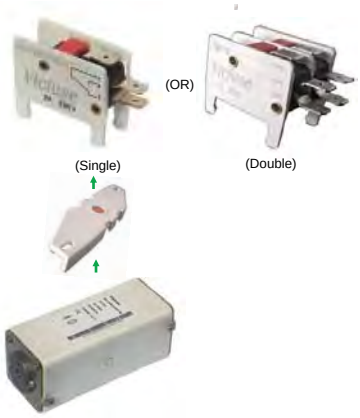


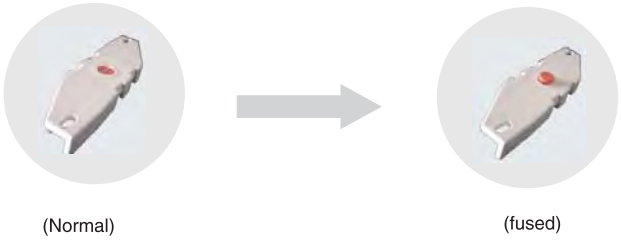
(2)





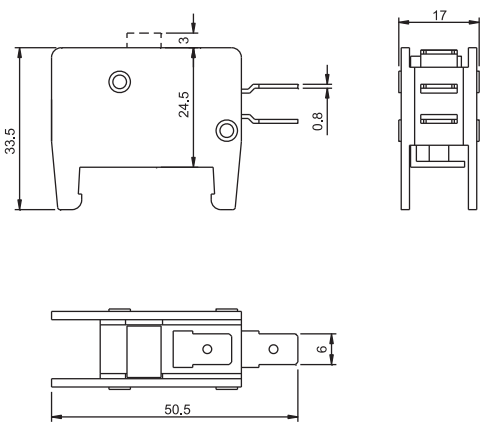
(3)





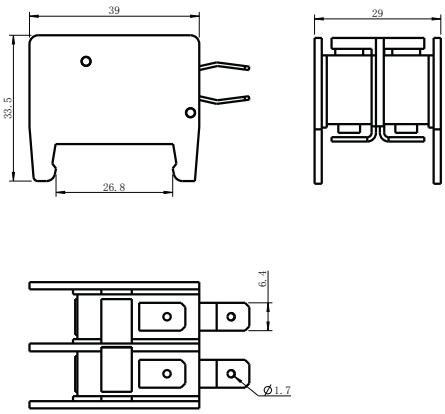
Mechanical Dimensions:

(Micro Switch VMS-S)



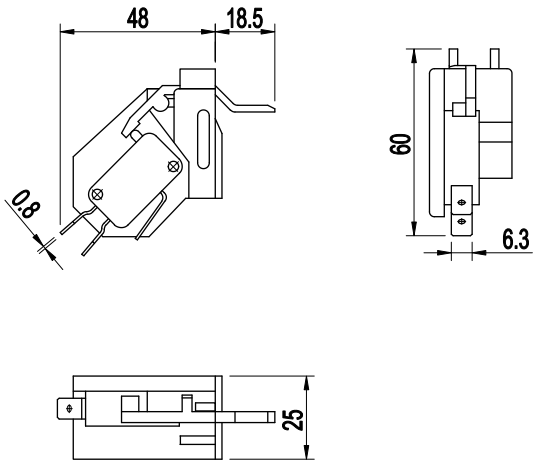
(Single)

(Micro Switch VMS-D)



(Double)

(Micro Switch VTMS)



VD Series 1200V

E356490

Ratings:

Voltage Rating: 1200V

Current Rating: 20A-1800A

Interrupt Rating: 100kA

Mechanical Dimensions:

Terminal BB

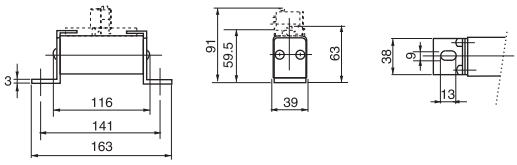


Fig.1 VD 0

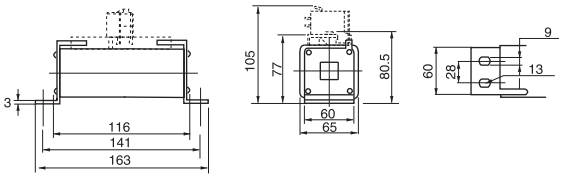


Fig.2 VD 2

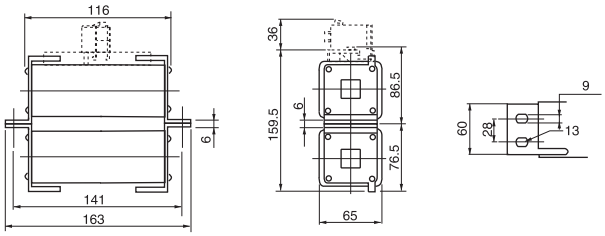


Fig.3 2xVD 2

Terminal D11

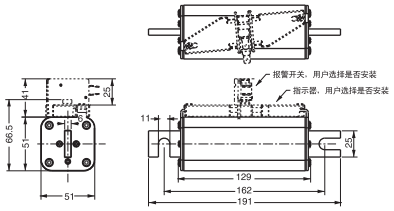


Fig.1 VD 1

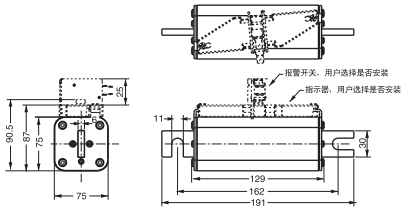


Fig.2 VD 3

Terminal FS

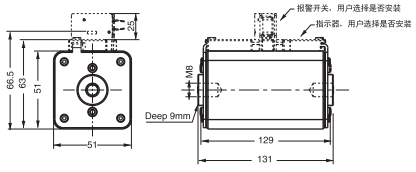


Fig.1 VD 1

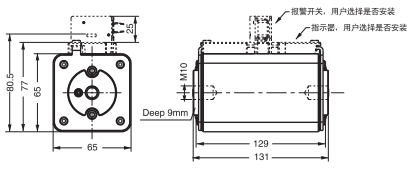


Fig.2 VD 2

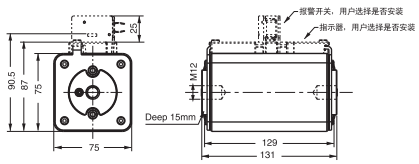


Fig.3 VD 3

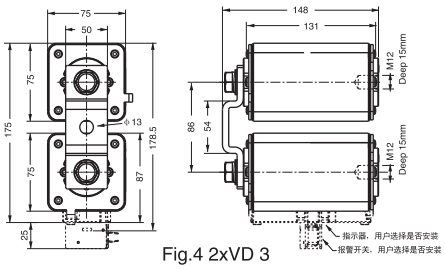


Fig.4 2xVD 3

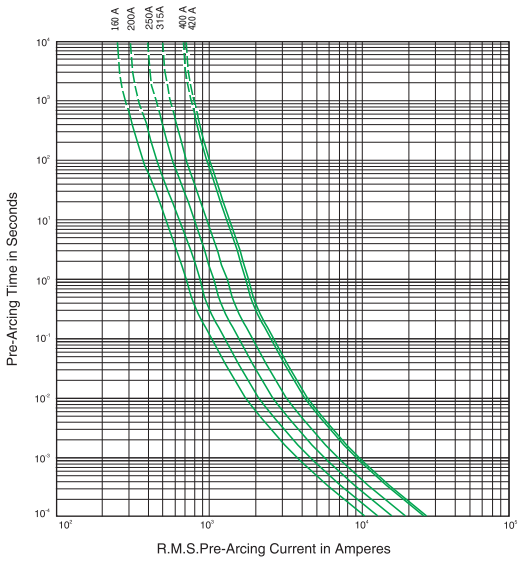
Electrical Specifications:

Catalog Numbers	Current Rating(A)	Pre-arc $I^2t(A^2S)$	Power Loss (W)	Voltage Rating	Interrupt Rating	Note
VD0	20	178	9.6	1200V DC	100kA (L/R=15ms)	aR
	25	178	15			
	32	345	18			
	40	568	21.5			
	50	1020	25.5			
	63	1580	33			
	80	3050	37			
	100	5720	44			
	125	9150	53			
	160	19100	63			
	200	44500	65			
	215	54500	88			
VD1	20	150	*			
	25	150	*			
	32	300	*			
	40	550	*			
	50	1000	*			
	63	1500	*			
	80	3000	*			
	100	5700	*			
	125	9000	*			
	160	19000	*			
	200	45000	*			
	215	55000	*			
VD2	160	13000	77			
	200	22000	86			
	250	45500	95			
	315	89500	108			
	400	181000	128			
	420	215000	130			
VD3	350	45500	*			
	400	90000	*			
	450	120000	*			
	500	182000	150			
	630	220000	*			
	700	350000	*			
	750	580000	*			
	800	650000	*			
	1000	*	*			
2×VD2	500	181000	200			
	630	356000	228			
	800	723000	268			
	840	873000	271			
2×VD3	700	*	*			
	800	*	*			
	900	*	*			
	1000	*	*			
	1250	*	*			
	1400	*	*			
	1500	*	*			
	1600	*	*			
	2000	*	*			

* For detail information, contact us please!

Electrical Characteristics:

Average Time-Current Curve for VD2



Average Time-Current Curve for VD3