

DNT000

Fuse for Semiconductor Equipment Protection

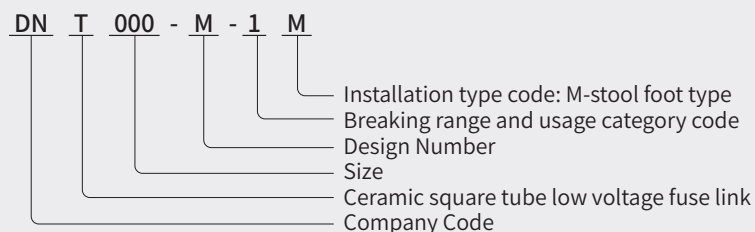


Product Profile

This series of fuse links for semiconductor equipment protection has the characteristics of small size, high breaking capacity, tolerance to current shock, and tolerance to high-intensity mechanical vibration shock.

Suitable for rail transportation, electric vehicle new energy power stations, communications, and power industries. It can be used as short-circuit current and overload current protection for power systems, energy storage systems, inverters, semiconductor equipment components and equipment.

Model and meaning



Normal working conditions

1. Ambient air temperature: The ambient air temperature shall not exceed 40°C, the average value measured over 24 hours shall not exceed 35°C, and the average value measured within one year shall be lower than this value. The lowest ambient air temperature is -5°C.
2. Altitude: The altitude of the installation site shall not exceed 2000m.
3. Atmospheric conditions: The air is clean, and its relative humidity does not exceed 50% at a maximum temperature of 40°C. It can have a higher relative humidity at lower temperatures, for example, at 20°C, the relative humidity can reach 90%. Under these conditions, moderate condensation may occur occasionally due to temperature changes.

DNT000-M1M

Fuse for Semiconductor Equipment Protection



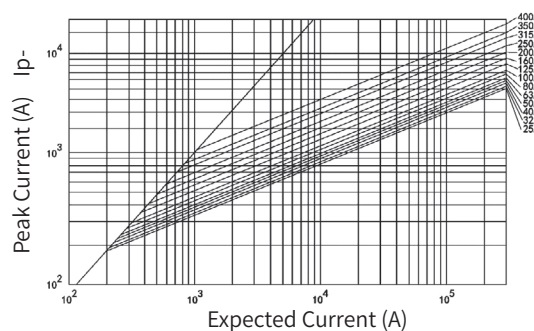
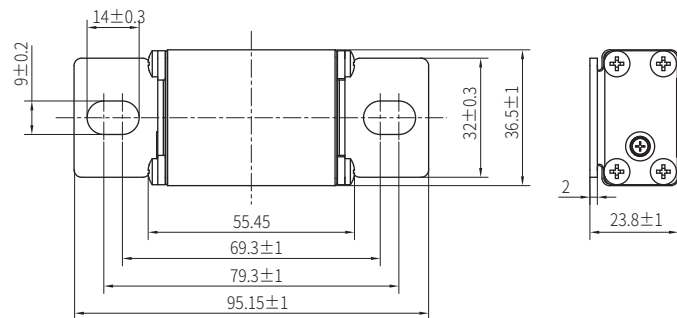
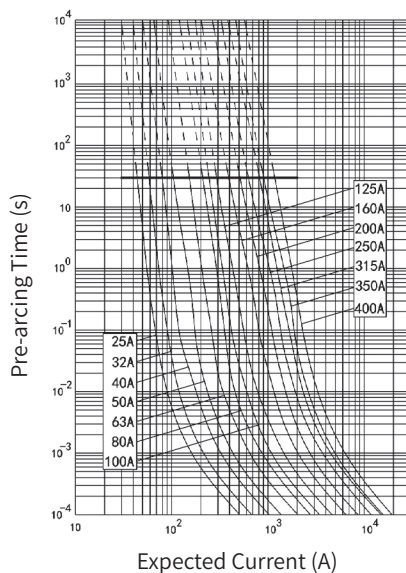
Rated voltage	800V DC	
Rated current	25~400A	
Protection category	aR	
Breaking capacity	50kA	
Time constant	10ms	
Reference standard	GB/T 13539.4 IEC 60269-4	
Certification mark	CCC CE TUV	

Product parameter

Model No.	Size	In (A)	I ² t (A ² S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT000-M1M-25A/800V DC	000	25	340	1600	1	4	7	150±3%	M8 11±1N.m
DNT000-M1M-32A/800V DC	000	32	420	1900	1	4	8		
DNT000-M1M-40A/800V DC	000	40	500	2300	2	6	10		
DNT000-M1M-50A/800V DC	000	50	720	3100	2	7	13		
DNT000-M1M-63A/800V DC	000	63	1100	4400	3	9	16		
DNT000-M1M-80A/800V DC	000	80	1700	8300	4	11	20		
DNT000-M1M-100A/800V DC	000	100	2700	12600	4	13	24		
DNT000-M1M-125A/800V DC	000	125	3100	13200	5	17	30		
DNT000-M1M-160A/800V DC	000	160	4700	19600	7	21	39		
DNT000-M1M-200A/800V DC	000	200	6500	27600	9	26	48		
DNT000-M1M-250A/800V DC	000	250	13300	53300	11	32	59		
DNT000-M1M-315A/800V DC	000	315	16600	66600	13	39	70		
DNT000-M1M-350A/800V DC	000	350	20500	86700	14	43	78		
DNT000-M1M-400A/800V DC	000	400	25300	177100	16	50	90		

Overall dimensions (mm)

Characteristic curve



DNT000-O1M

Fuse for Semiconductor Equipment Protection

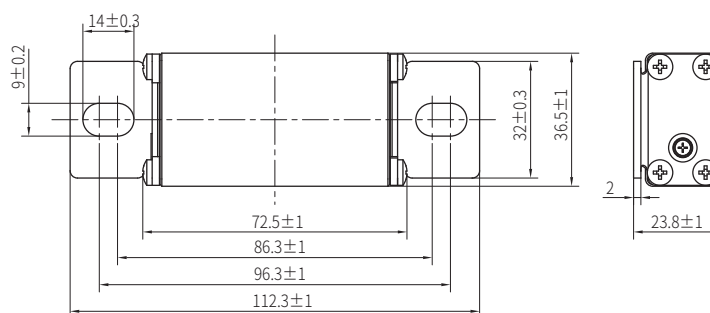


Rated voltage	1000V DC
Rated current	25~250A
Protection category	aR
Breaking capacity	50kA
Time constant	10ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

Product parameter

Model No.	Size	In (A)	I ² t (A ² S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT000-O1M-25A/1000V DC	000	25	1100	6400	1	3	6	183±3%	M8 11±1N.m
DNT000-O1M-32A/1000V DC	000	32	1470	8200	2	5	10		
DNT000-O1M-40A/1000V DC	000	40	1840	10300	2	7	13		
DNT000-O1M-50A/1000V DC	000	50	2300	12900	3	8	15		
DNT000-O1M-63A/1000V DC	000	63	3000	16300	3	9	17		
DNT000-O1M-80A/1000V DC	000	80	3760	20800	4	12	21		
DNT000-O1M-100A/1000V DC	000	100	4700	26000	5	15	27		
DNT000-O1M-125A/1000V DC	000	125	5900	32500	6	18	33		
DNT000-O1M-160A/1000V DC	000	160	7600	41600	7	22	41		
DNT000-O1M-200A/1000V DC	000	200	9600	52000	9	27	50		
DNT000-O1M-250A/1000V DC	000	250	12000	65000	11	33	60		

Overall dimensions (mm)



Characteristic curve

