

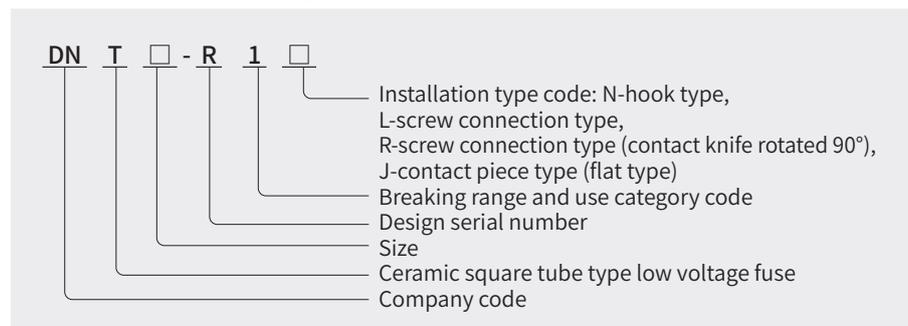
# DNT□-R1□ Fuse for Semiconductor Equipment Protection



## Product Profile

This series of fuses for semiconductor equipment protection features strong current-limiting capability and high breaking capacity. They are suitable for rail transit, electric vehicle new energy stations, communications, and the power industry. These fuses can be used for short-circuit and overload current protection in power systems, energy storage systems, inverters, semiconductor equipment components, and devices.

## Model and meaning



## Ordering Instructions

When ordering, users should provide the following information:

DNT series semiconductor equipment protection fuses should be specified Specification model, rated current, rated voltage and quantity.

For example:

DNT2-R1N-800A/1000V DC 10 pieces

## 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.

# DNT01-R1J Fuse for Semiconductor Equipment Protection

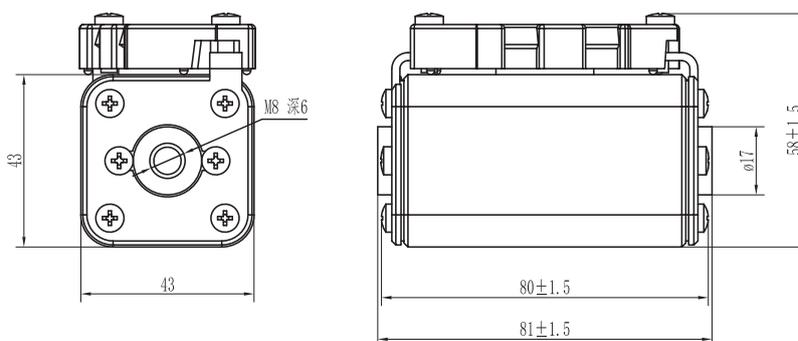


Rated voltage	1000V DC
Rated current	50~400A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

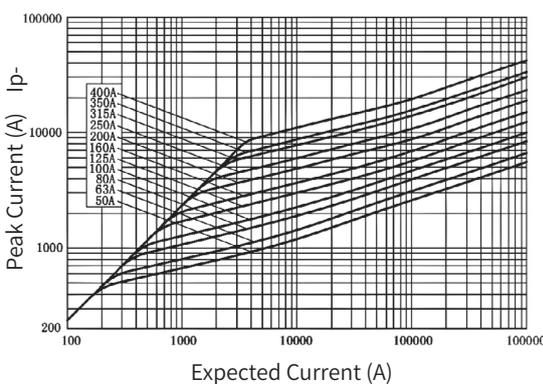
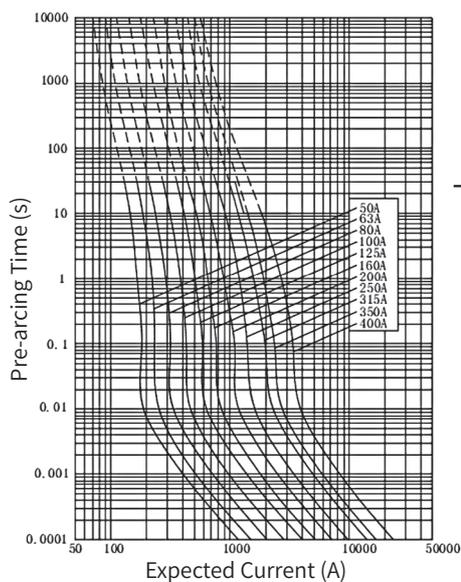
## Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT01-R1J-50A/1000V DC	01	50	135	1100	4	8	14	443±3%	M8 10±1N.m
DNT01-R1J-63A/1000V DC	01	63	215	1750	6	11	20		
DNT01-R1J-80A/1000V DC	01	80	420	3350	8	14	25		
DNT01-R1J-100A/1000V DC	01	100	750	5950	10	17	30		
DNT01-R1J-125A/1000V DC	01	125	1450	9600	12	21	38		
DNT01-R1J-160A/1000V DC	01	160	2690	17850	15	27	49		
DNT01-R1J-200A/1000V DC	01	200	5090	33700	17	31	57		
DNT01-R1J-250A/1000V DC	01	250	9000	59900	20	36	65		
DNT01-R1J-315A/1000V DC	01	315	18200	125000	22	40	74		
DNT01-R1J-350A/1000V DC	01	350	24200	161000	24	43	79		
DNT01-R1J-400A/1000V DC	01	400	33000	218000	26	48	88		

## Overall dimensions (mm)



## Characteristic curve



## Usage and Maintenance

1. Installation, the size of the screw into the column does not exceed 6 mm ( recommended 5mm )
2. When tightening the nut, keep the nut can't rotate ;
3. It is recommended to use a stud installation, there is no recommended torque when the stud is screwed in, which is 1mm below the depth of the thread ;
4. The nut tightening torque is 10±1N.m.

# DNT01-R1N

## Fuse for Semiconductor Equipment Protection

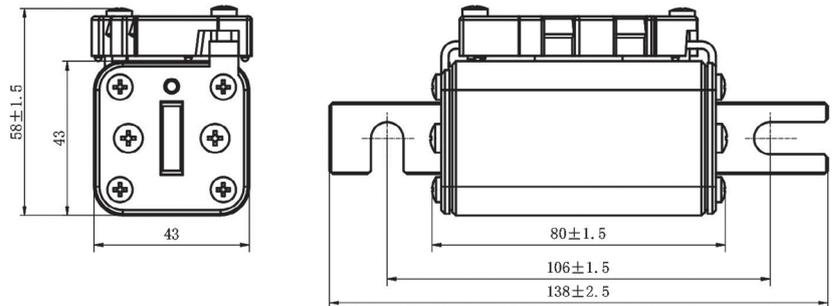


Rated voltage	1000V DC
Rated current	50~400A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

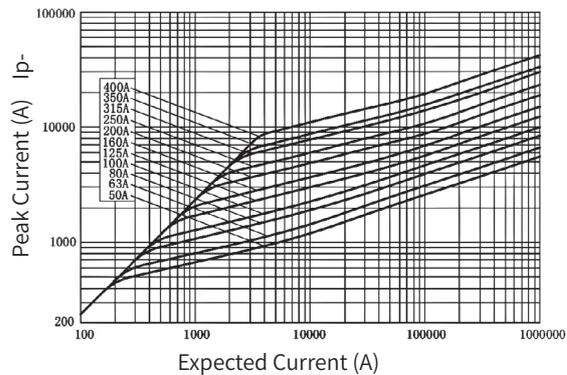
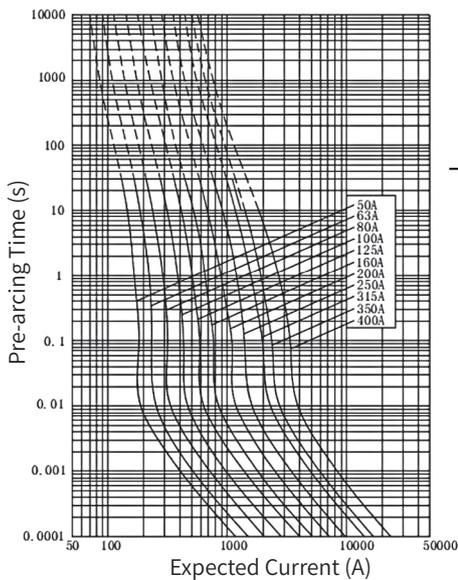
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT01-R1N-50A/1000V DC	01	50	135	1100	4	8	14	473±3%	M8 11±1N.m
DNT01-R1N-63A/1000V DC	01	63	215	1750	6	11	20		
DNT01-R1N-80A/1000V DC	01	80	420	3350	8	14	25		
DNT01-R1N-100A/1000V DC	01	100	750	5950	10	17	30		
DNT01-R1N-125A/1000V DC	01	125	1450	9600	12	21	38		
DNT01-R1N-160A/1000V DC	01	160	2690	17850	15	27	49		
DNT01-R1N-200A/1000V DC	01	200	5090	33700	17	31	57		
DNT01-R1N-250A/1000V DC	01	250	9000	59900	20	36	65		
DNT01-R1N-315A/1000V DC	01	315	18200	125000	22	40	74		
DNT01-R1N-350A/1000V DC	01	350	24200	161000	24	43	79		
DNT01-R1N-400A/1000V DC	01	400	33000	218000	26	48	88		

### Overall dimensions (mm)



### Characteristic curve



# DNT1-R1J

## Fuse for Semiconductor Equipment Protection

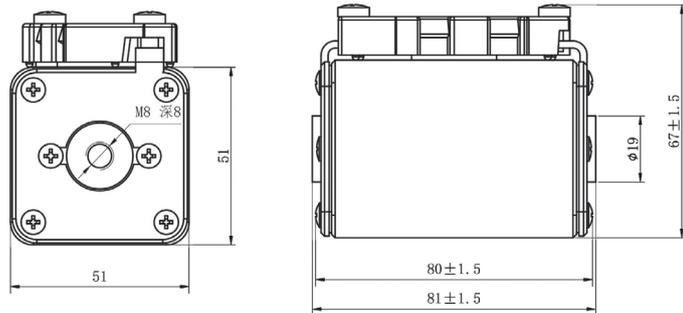


Rated voltage	1000V DC
Rated current	160~550A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

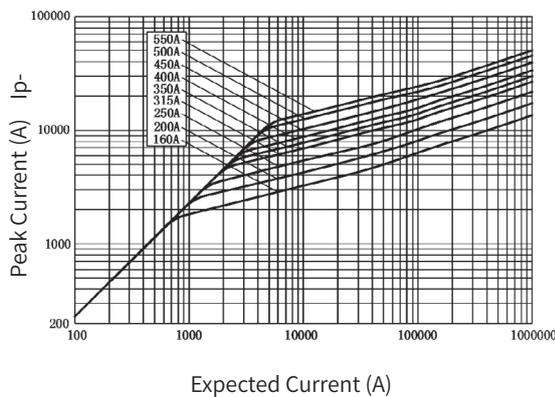
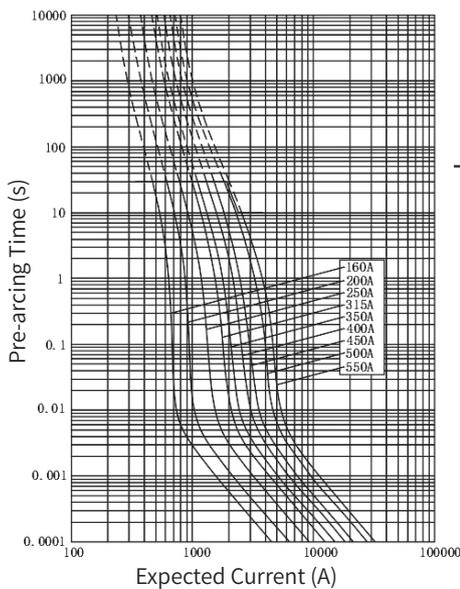
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1J-160A/1000V DC	1	160	5000	16500	16	28	52	673±3%	M8 10±1N.m
DNT1-R1J-200A/1000V DC	1	200	8500	27500	19	34	62		
DNT1-R1J-250A/1000V DC	1	250	16000	53000	22	39	72		
DNT1-R1J-315A/1000V DC	1	315	28500	93500	25	46	84		
DNT1-R1J-350A/1000V DC	1	350	38500	127500	27	49	89		
DNT1-R1J-400A/1000V DC	1	400	57000	188000	28.5	52	95		
DNT1-R1J-450A/1000V DC	1	450	78500	260000	31	56	103		
DNT1-R1J-500A/1000V DC	1	500	110000	363000	33	59	109		
DNT1-R1J-550A/1000V DC	1	550	145000	480000	35	63	116		

### Overall dimensions (mm)



### Characteristic curve



### Usage and Maintenance

1. Installation, the size of the screw into the column does not exceed 9 mm (recommended 8mm)
2. When tightening the nut, keep the nut can't rotate;
3. It is recommended to use a stud installation, there is no recommended torque when the stud is screwed in, which is 1mm below the depth of the thread;
4. The nut tightening torque is 10±1N.m.

# DNT1-R1N

## Fuse for Semiconductor Equipment Protection

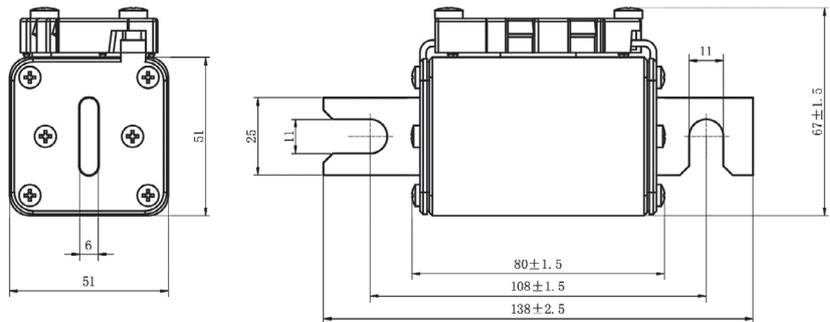


Rated voltage	1000V DC
Rated current	160~550A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

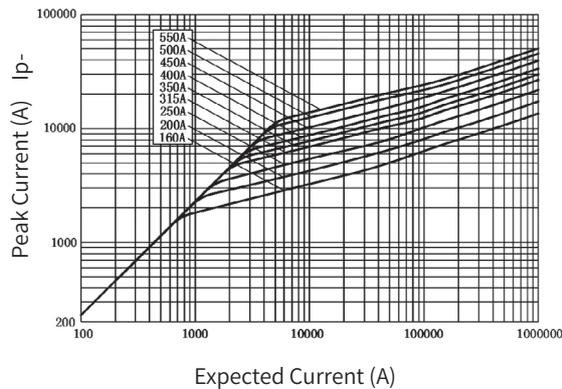
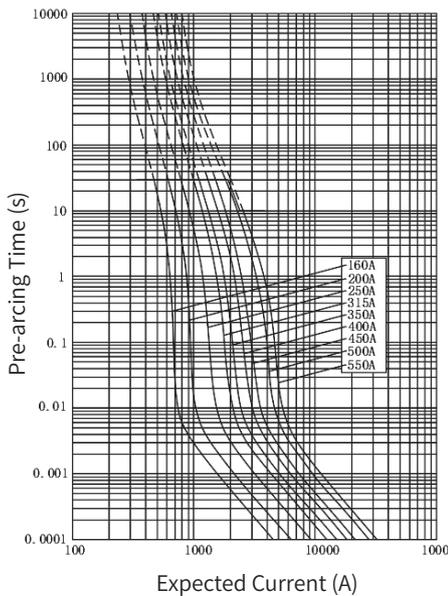
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1N-160A/1000V DC	1	160	5000	16500	16	28	52	691±3%	M10 21±1N.m
DNT1-R1N-200A/1000V DC	1	200	8500	27500	19	34	62		
DNT1-R1N-250A/1000V DC	1	250	16000	53000	22	39	72		
DNT1-R1N-315A/1000V DC	1	315	28500	93500	25	46	84		
DNT1-R1N-350A/1000V DC	1	350	38500	127500	27	49	89		
DNT1-R1N-400A/1000V DC	1	400	57000	188000	28.5	52	95		
DNT1-R1N-450A/1000V DC	1	450	78500	260000	31	56	103		
DNT1-R1N-500A/1000V DC	1	500	110000	363000	33	59	109		
DNT1-R1N-550A/1000V DC	1	550	145000	480000	35	63	116		

### Overall dimensions (mm)



### Characteristic curve



# DNT1-R1R

## Fuse for Semiconductor Equipment Protection

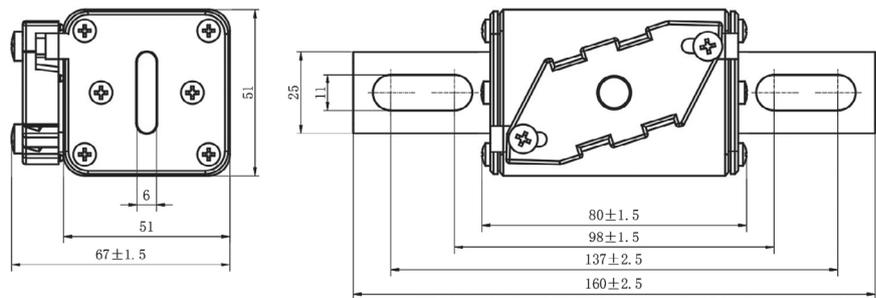


Rated voltage	1000V DC
Rated current	160~550A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

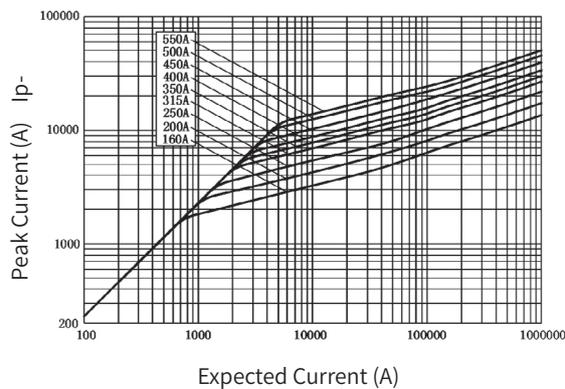
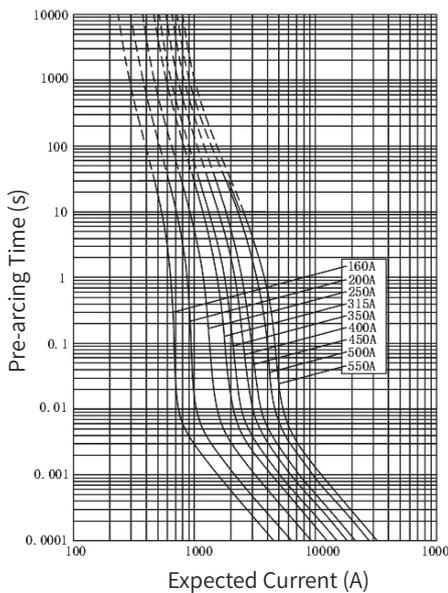
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1R-160A/1000V DC	1	160	5000	16500	16	28	52	711±3%	M10 21±1N.m
DNT1-R1R-200A/1000V DC	1	200	8500	27500	19	34	62		
DNT1-R1R-250A/1000V DC	1	250	16000	53000	22	39	72		
DNT1-R1R-315A/1000V DC	1	315	28500	93500	25	46	84		
DNT1-R1R-350A/1000V DC	1	350	38500	127500	27	49	89		
DNT1-R1R-400A/1000V DC	1	400	57000	188000	28.5	52	95		
DNT1-R1R-450A/1000V DC	1	450	78500	260000	31	56	103		
DNT1-R1R-500A/1000V DC	1	500	110000	363000	33	59	109		
DNT1-R1R-550A/1000V DC	1	550	145000	480000	35	63	116		

### Overall dimensions (mm)



### Characteristic curve



# DNT1-R1L

## Fuse for Semiconductor Equipment Protection

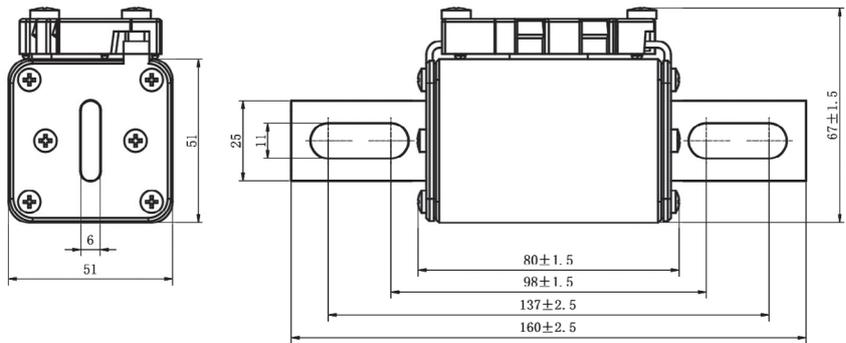


Rated voltage	1000V DC
Rated current	160~550A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

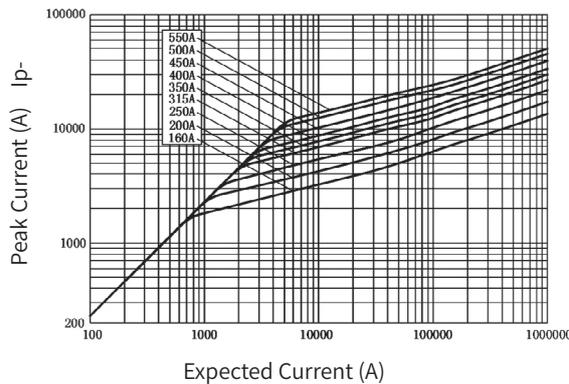
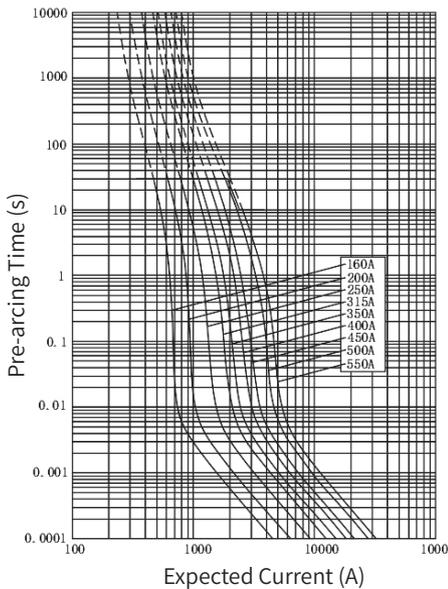
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1L-160A/1000V DC	1	160	5000	16500	16	28	52	711±3%	M10 21±1N.m
DNT1-R1L-200A/1000V DC	1	200	8500	27500	19	34	62		
DNT1-R1L-250A/1000V DC	1	250	16000	53000	22	39	72		
DNT1-R1L-315A/1000V DC	1	315	28500	93500	25	46	84		
DNT1-R1L-350A/1000V DC	1	350	38500	127500	27	49	89		
DNT1-R1L-400A/1000V DC	1	400	57000	188000	28.5	52	95		
DNT1-R1L-450A/1000V DC	1	450	78500	260000	31	56	103		
DNT1-R1L-500A/1000V DC	1	500	110000	363000	33	59	109		
DNT1-R1L-550A/1000V DC	1	550	145000	480000	35	63	116		

### Overall dimensions (mm)



### Characteristic curve



# DNT2-R1J Fuse for Semiconductor Equipment Protection

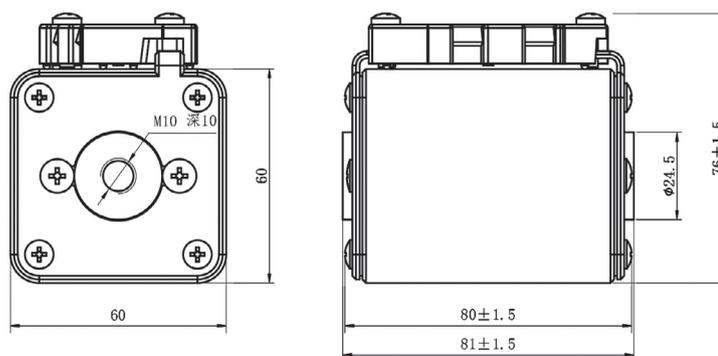


Rated voltage	1000V DC
Rated current	250~800A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

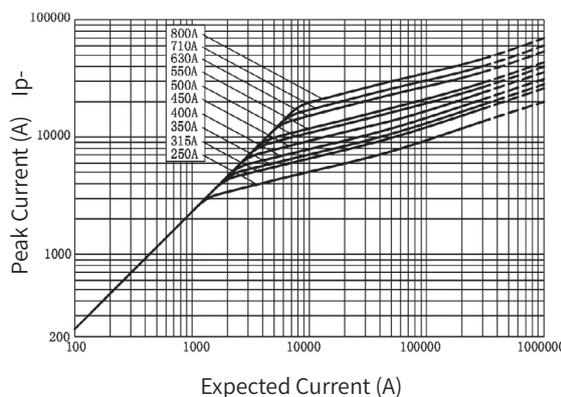
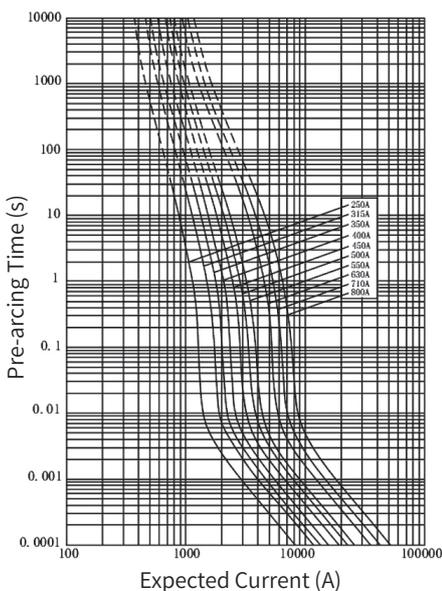
## Product parameter

Model No.	Size	I <sub>n</sub> (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5I <sub>n</sub> Power dissipation(W)	0.8I <sub>n</sub> Power dissipation(W)	1.0I <sub>n</sub> Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1J-250A/1000V DC	2	250	11000	52000	24	44	80	910±3%	M10 21±1N.m
DNT2-R1J-315A/1000V DC	2	315	20000	94000	29	52	96		
DNT2-R1J-350A/1000V DC	2	350	26000	122000	31	56	104		
DNT2-R1J-400A/1000V DC	2	400	37000	174000	34	61	113		
DNT2-R1J-450A/1000V DC	2	450	53000	248000	36	66	122		
DNT2-R1J-500A/1000V DC	2	500	70000	328000	39	70	130		
DNT2-R1J-550A/1000V DC	2	550	90000	422000	41	74	137		
DNT2-R1J-630A/1000V DC	2	630	128000	600000	46	83	152		
DNT2-R1J-710A/1000V DC	2	710	164000	693000	48	87	161		
DNT2-R1J-800A/1000V DC	2	800	269000	1260000	54	97	178		

## Overall dimensions (mm)



## Characteristic curve



## Usage and Maintenance

1. Installation, the size of the screw into the column does not exceed 10 mm ( recommended 9mm )
2. When tightening the nut, keep the nut can't rotate ;
3. It is recommended to use a stud installation, there is no recommended torque when the stud is screwed in, which is 1mm below the depth of the thread ;
4. The nut tightening torque is 21±1N.m.

# DNT2-R1N

## Fuse for Semiconductor Equipment Protection

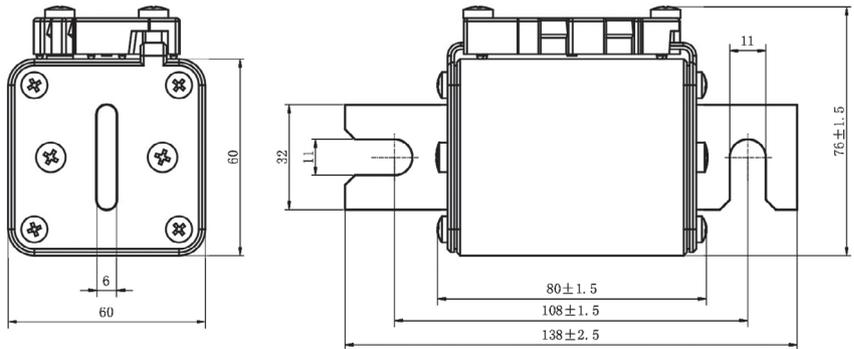


Rated voltage	1000V DC
Rated current	250~800A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

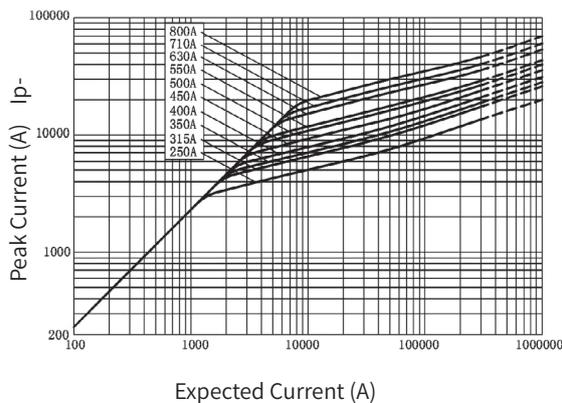
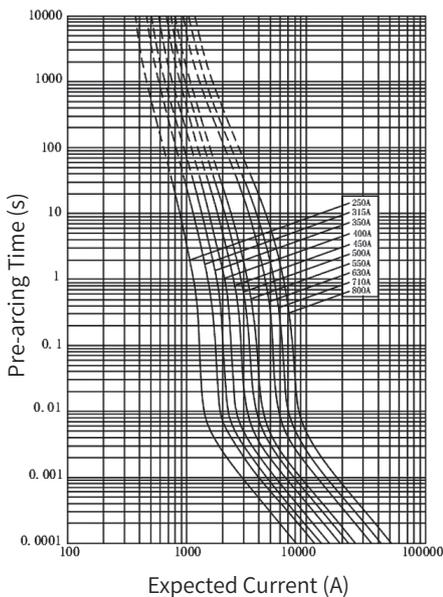
### Product parameter

Model No.	Size	I <sub>n</sub> (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5I <sub>n</sub> Power dissipation(W)	0.8I <sub>n</sub> Power dissipation(W)	1.0I <sub>n</sub> Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1N-250A/1000V DC	2	250	11000	52000	24	44	80	930±3%	M10 21±1N.m
DNT2-R1N-315A/1000V DC	2	315	20000	94000	29	52	96		
DNT2-R1N-350A/1000V DC	2	350	26000	122000	31	56	104		
DNT2-R1N-400A/1000V DC	2	400	37000	174000	34	61	113		
DNT2-R1N-450A/1000V DC	2	450	53000	248000	36	66	122		
DNT2-R1N-500A/1000V DC	2	500	70000	328000	39	70	130		
DNT2-R1N-550A/1000V DC	2	550	90000	422000	41	74	137		
DNT2-R1N-630A/1000V DC	2	630	128000	600000	46	83	152		
DNT2-R1N-710A/1000V DC	2	710	164000	693000	48	87	161		
DNT2-R1N-800A/1000V DC	2	800	269000	1260000	54	97	178		

### Overall dimensions (mm)



### Characteristic curve



# DNT2-R1R

## Fuse for Semiconductor Equipment Protection

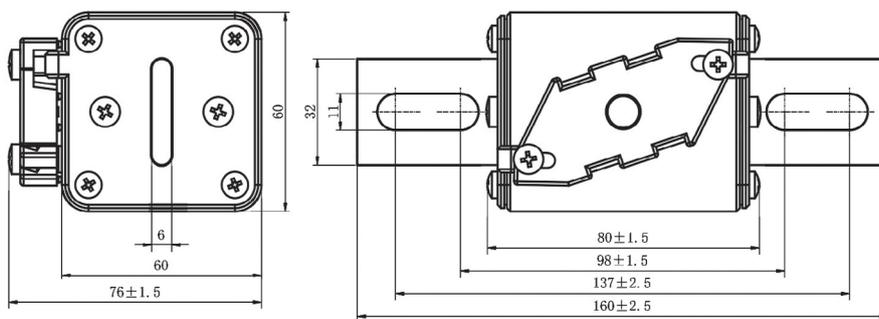


Rated voltage	1000V DC
Rated current	250~800A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

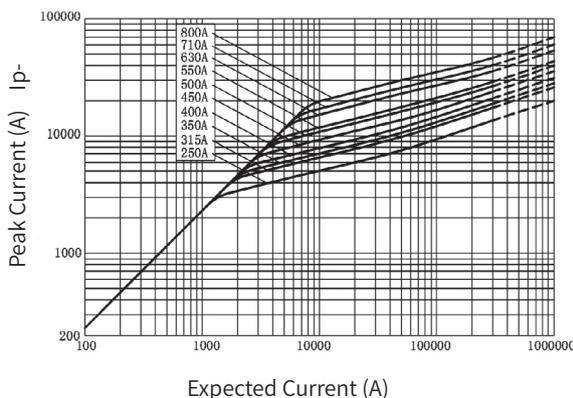
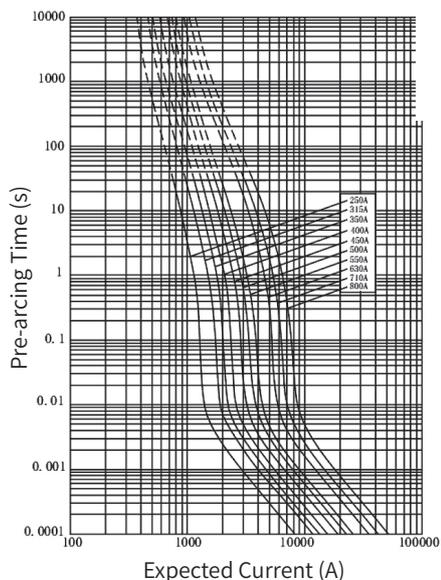
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1R-250A/1000V DC	2	250	11000	52000	24	44	80	960±3%	M10 21±1N.m
DNT2-R1R-315A/1000V DC	2	315	20000	94000	29	52	96		
DNT2-R1R-350A/1000V DC	2	350	26000	122000	31	56	104		
DNT2-R1R-400A/1000V DC	2	400	37000	174000	34	61	113		
DNT2-R1R-450A/1000V DC	2	450	53000	248000	36	66	122		
DNT2-R1R-500A/1000V DC	2	500	70000	328000	39	70	130		
DNT2-R1R-550A/1000V DC	2	550	90000	422000	41	74	137		
DNT2-R1R-630A/1000V DC	2	630	128000	600000	46	83	152		
DNT2-R1R-710A/1000V DC	2	710	164000	693000	48	87	161		
DNT2-R1R-800A/1000V DC	2	800	269000	1260000	54	97	178		

### Overall dimensions (mm)



### Characteristic curve



# DNT2-R1L

## Fuse for Semiconductor Equipment Protection

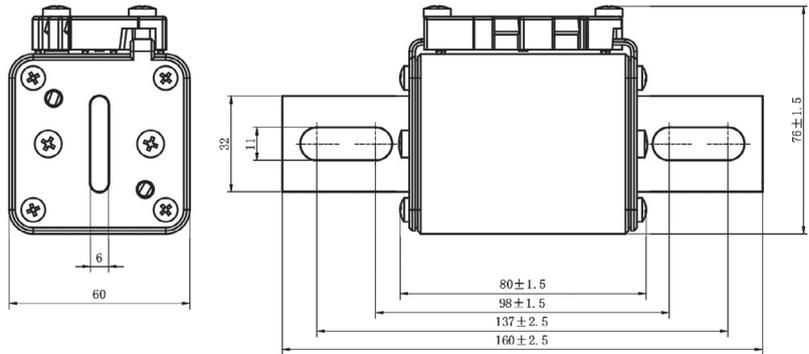


Rated voltage	1000V DC
Rated current	250~800A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

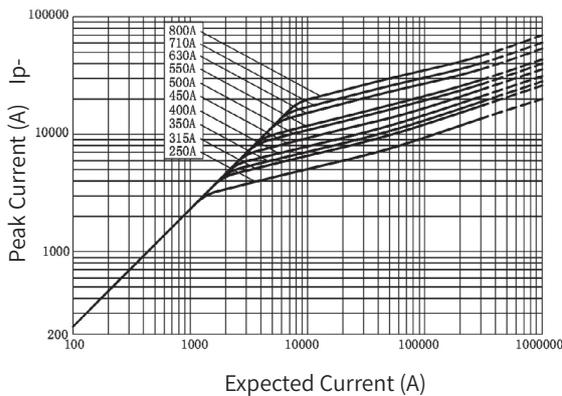
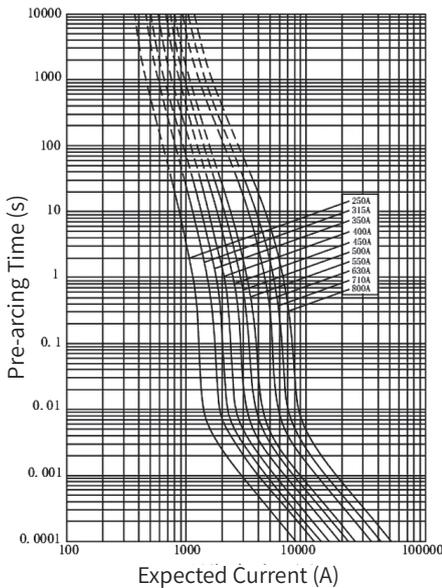
### Product parameter

Model No.	Size	I <sub>n</sub> (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5I <sub>n</sub> Power dissipation(W)	0.8I <sub>n</sub> Power dissipation(W)	1.0I <sub>n</sub> Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1L-250A/1000V DC	2	250	11000	52000	24	44	80	960±3%	M10 21±1N.m
DNT2-R1L-315A/1000V DC	2	315	20000	94000	29	52	96		
DNT2-R1L-350A/1000V DC	2	350	26000	122000	31	56	104		
DNT2-R1L-400A/1000V DC	2	400	37000	174000	34	61	113		
DNT2-R1L-450A/1000V DC	2	450	53000	248000	36	66	122		
DNT2-R1L-500A/1000V DC	2	500	70000	328000	39	70	130		
DNT2-R1L-550A/1000V DC	2	550	90000	422000	41	74	137		
DNT2-R1L-630A/1000V DC	2	630	128000	600000	46	83	152		
DNT2-R1L-710A/1000V DC	2	710	164000	693000	48	87	161		
DNT2-R1L-800A/1000V DC	2	800	269000	1260000	54	97	178		

### Overall dimensions (mm)



### Characteristic curve



# DNT3-R1J

## Fuse for Semiconductor Equipment Protection

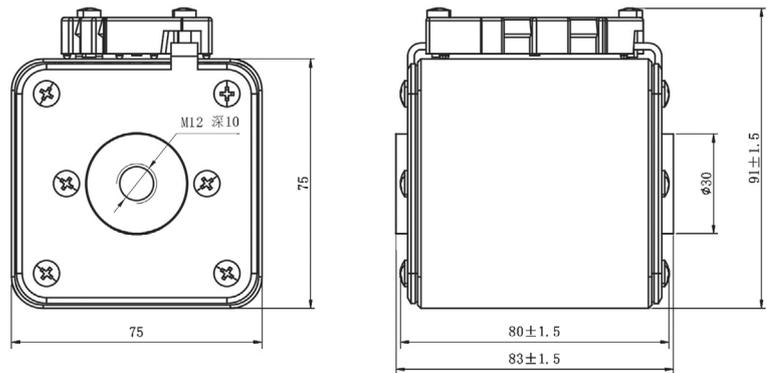


Rated voltage	1000V DC
Rated current	315~1100A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

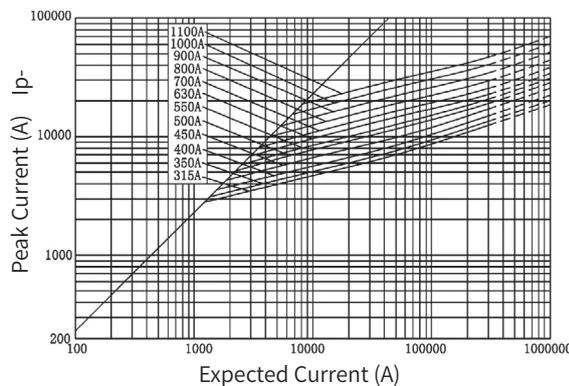
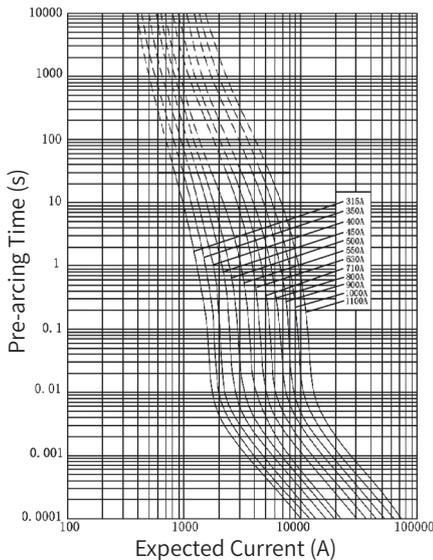
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1J-315A/1000V DC	3	315	13500	41100	29	53	97	1275±3%	M12 38±1N.m
DNT3-R1J-350A/1000V DC	3	350	17800	54100	32	58	107		
DNT3-R1J-400A/1000V DC	3	400	24600	74800	36	65	120		
DNT3-R1J-450A/1000V DC	3	450	34500	105000	39	70	129		
DNT3-R1J-500A/1000V DC	3	500	46100	140000	41	75	136		
DNT3-R1J-550A/1000V DC	3	550	62300	190000	44	79	145		
DNT3-R1J-630A/1000V DC	3	630	91100	277000	48	86	159		
DNT3-R1J-700A/1000V DC	3	700	130000	395000	50	91	165		
DNT3-R1J-800A/1000V DC	3	800	195000	593000	54	99	181		
DNT3-R1J-900A/1000V DC	3	900	285000	867000	57	105	191		
DNT3-R1J-1000A/1000V DC	3	1000	393000	1200000	61	112	204		
DNT3-R1J-1100A/1000V DC	3	1100	549000	1670000	63	116	213		

### Overall dimensions (mm)



### Characteristic curve



### Usage and Maintenance

1. Installation, the size of the screw into the column does not exceed 10 mm (recommended 9mm)
2. When tightening the nut, keep the nut can't rotate;
3. It is recommended to use a stud installation, there is no recommended torque when the stud is screwed in, which is 1mm below the depth of the thread;
4. The nut tightening torque is 38±1N.m.

# DNT3-R1N

## Fuse for Semiconductor Equipment Protection

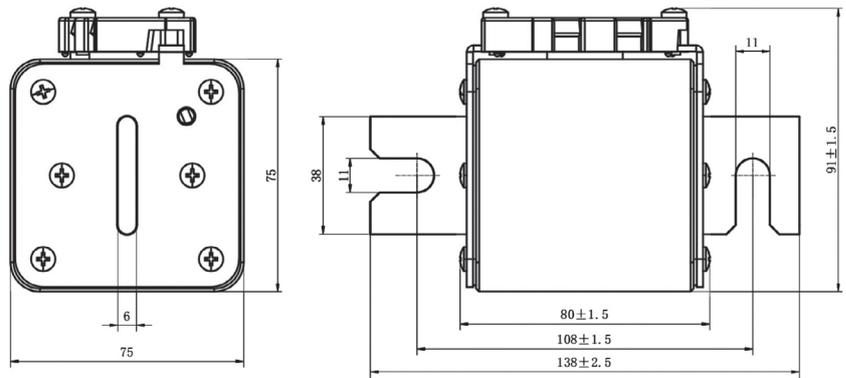


Rated voltage	1000V DC
Rated current	315~1100A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

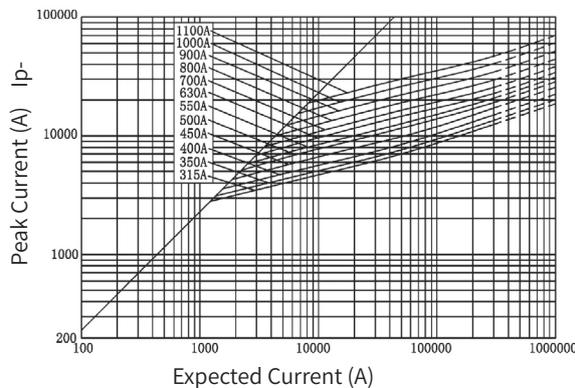
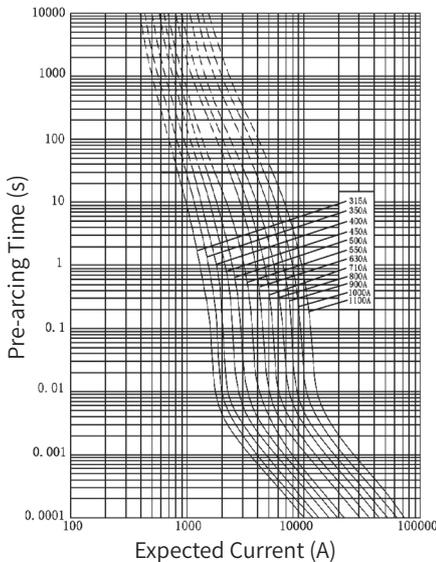
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1N-315A/1000V DC	3	315	13500	41100	29	53	97	1320±3%	M10 21±1N.m
DNT3-R1N-350A/1000V DC	3	350	17800	54100	32	58	107		
DNT3-R1N-400A/1000V DC	3	400	24600	74800	36	65	120		
DNT3-R1N-450A/1000V DC	3	450	34500	105000	39	70	129		
DNT3-R1N-500A/1000V DC	3	500	46100	140000	41	75	136		
DNT3-R1N-550A/1000V DC	3	550	62300	190000	44	79	145		
DNT3-R1N-630A/1000V DC	3	630	91100	277000	48	86	159		
DNT3-R1N-700A/1000V DC	3	700	130000	395000	50	91	165		
DNT3-R1N-800A/1000V DC	3	800	195000	593000	54	99	181		
DNT3-R1N-900A/1000V DC	3	900	285000	867000	57	105	191		
DNT3-R1N-1000A/1000V DC	3	1000	393000	1200000	61	112	204		
DNT3-R1N-1100A/1000V DC	3	1100	549000	1670000	63	116	210		

### Overall dimensions (mm)



### Characteristic curve



# DNT3-R1R

## Fuse for Semiconductor Equipment Protection

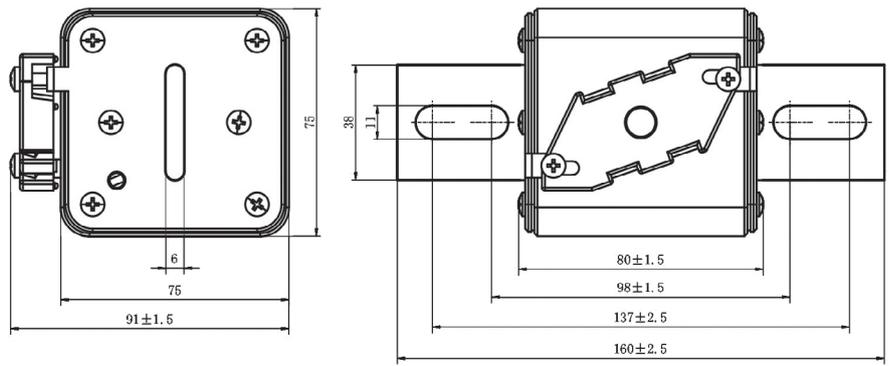


Rated voltage	1000V DC
Rated current	315~1100A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

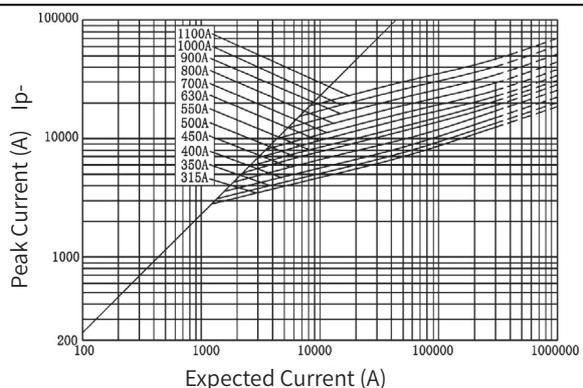
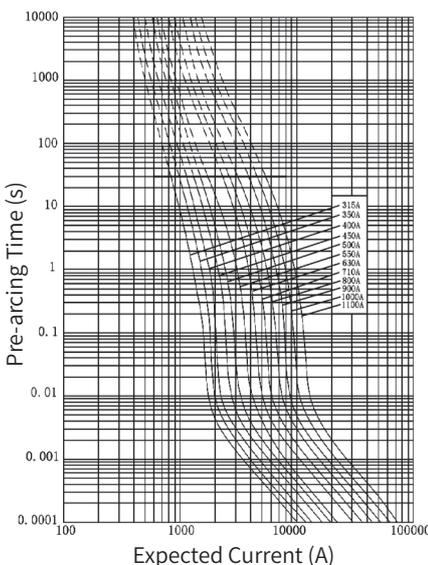
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1R-315A/1000V DC	3	315	13500	41100	29	53	97	1340±3%	M10 21±1N.m
DNT3-R1R-350A/1000V DC	3	350	17800	54100	32	58	107		
DNT3-R1R-400A/1000V DC	3	400	24600	74800	36	65	120		
DNT3-R1R-450A/1000V DC	3	450	34500	105000	39	70	129		
DNT3-R1R-500A/1000V DC	3	500	46100	140000	41	75	136		
DNT3-R1R-550A/1000V DC	3	550	62300	190000	44	79	145		
DNT3-R1R-630A/1000V DC	3	630	91100	277000	48	86	159		
DNT3-R1R-700A/1000V DC	3	700	130000	395000	50	91	165		
DNT3-R1R-800A/1000V DC	3	800	195000	593000	54	99	181		
DNT3-R1R-900A/1000V DC	3	900	285000	867000	57	105	191		
DNT3-R1R-1000A/1000V DC	3	1000	393000	1200000	61	112	204		
DNT3-R1R-1100A/1000V DC	3	1100	549000	1670000	63	116	213		

### Overall dimensions (mm)



### Characteristic curve



# DNT3-R1L

## Fuse for Semiconductor Equipment Protection

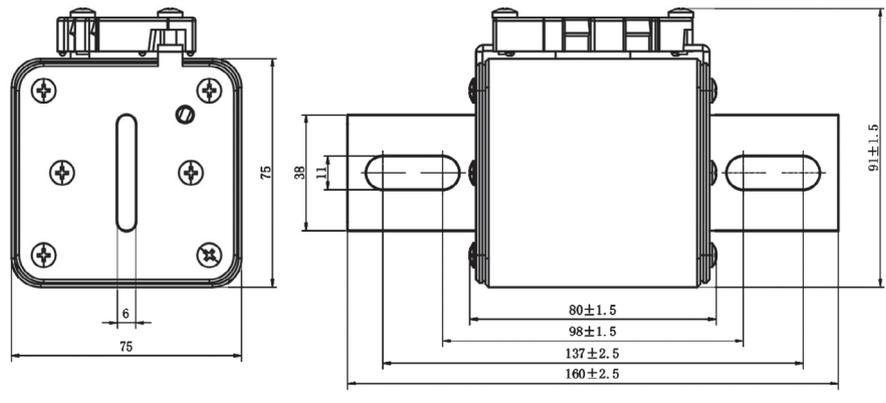


Rated voltage	1000V DC
Rated current	315~1100A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

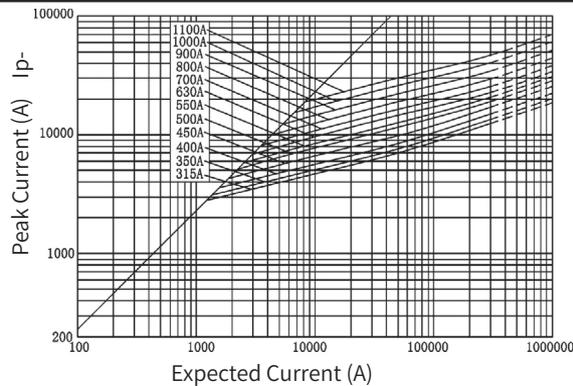
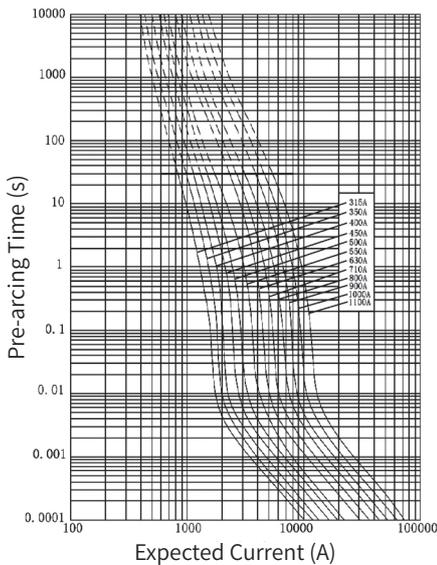
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1L-315A/1000V DC	3	315	13500	41100	29	53	97	1340±3%	M10 21±1N.m
DNT3-R1L-350A/1000V DC	3	350	17800	54100	32	58	107		
DNT3-R1L-400A/1000V DC	3	400	24600	74800	36	65	120		
DNT3-R1L-450A/1000V DC	3	450	34500	105000	39	70	129		
DNT3-R1L-500A/1000V DC	3	500	46100	140000	41	75	136		
DNT3-R1L-550A/1000V DC	3	550	62300	190000	44	79	145		
DNT3-R1L-630A/1000V DC	3	630	91100	277000	48	86	159		
DNT3-R1L-700A/1000V DC	3	700	130000	395000	50	91	165		
DNT3-R1L-800A/1000V DC	3	800	195000	593000	54	99	181		
DNT3-R1L-900A/1000V DC	3	900	285000	867000	57	105	191		
DNT3-R1L-1000A/1000V DC	3	1000	393000	1200000	61	112	204		
DNT3-R1L-1100A/1000V DC	3	1100	549000	1670000	63	116	213		

### Overall dimensions (mm)



### Characteristic curve



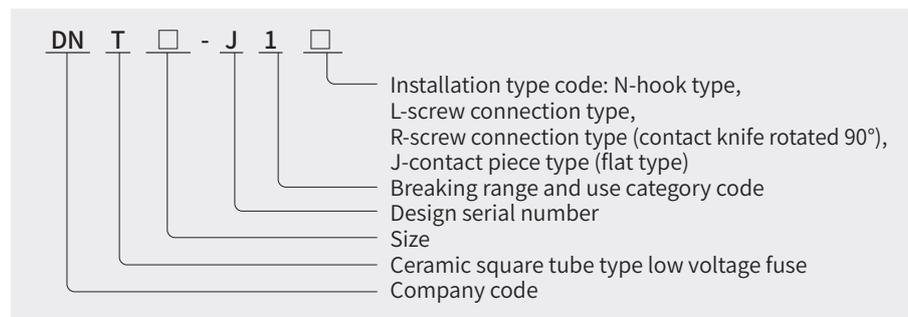
# DNT□-J1□ Fuse for Semiconductor Equipment Protection



## Product Description

This series of fuses for semiconductor equipment protection features strong current-limiting capability and high breaking capacity. They are suitable for rail transit, electric vehicle new energy stations, communications, and the power industry. These fuses can be used for short-circuit and overload current protection in power systems, energy storage systems, inverters, semiconductor equipment components, and devices.

## Model and meaning



## Normal working conditions

1. Ambient Air Temperature: The ambient air temperature  $T_a$  does not exceed 40°C, with an average value measured over 24 hours not exceeding 35°C, and the average value measured over one year being below this value. The minimum ambient air temperature is -5°C.
2. Altitude: The altitude of the installation location does not exceed 2000m.
3. Atmospheric Conditions: The air is clean, with a relative humidity not exceeding 50% at a maximum temperature of 40°C. Higher relative humidity is allowed at lower temperatures, e.g., 90% at 20°C. Under these conditions, moderate condensation may occasionally occur due to temperature changes.

## Ordering Instructions

When placing an order, the user should provide the following information: DNT series fuses for semiconductor equipment protection should specify the model, rated current, rated voltage, and quantity.

Example:

DNT01-J1N-250A/690V AC, 10 pieces

# DNT01-J1J

## Fuse for Semiconductor Equipment Protection

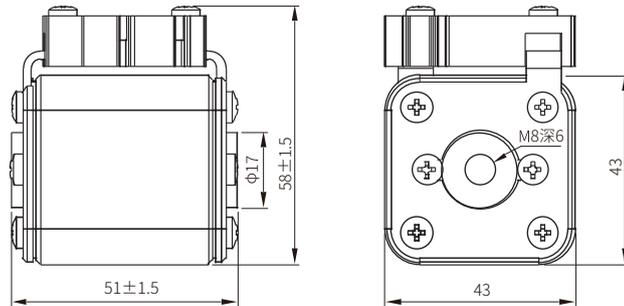


Rated Voltage	690V AC
Rated Current	40~400A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

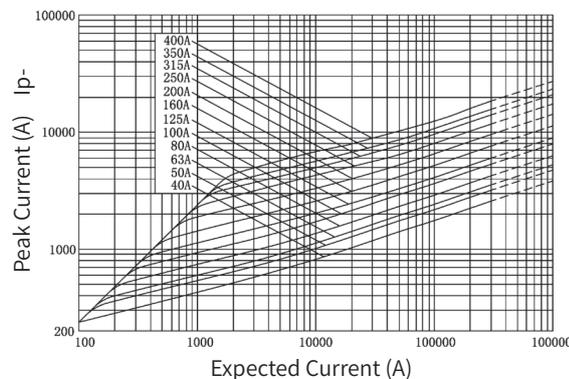
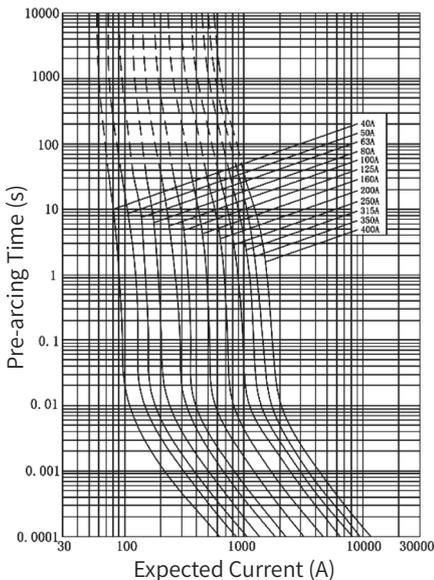
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT01-J1J-40A/690V AC	01	690	40	89	580	1.5	5	8.5	310±3%	M8 10±1N.m
DNT01-J1J-50A/690V AC	01		50	60	1035	2	5.5	9		
DNT01-J1J-63A/690V AC	01		63	266	1750	2.5	7	12		
DNT01-J1J-80A/690V AC	01		80	430	2800	3	10.5	16		
DNT01-J1J-100A/690V AC	01		100	800	5220	3.5	11	18.5		
DNT01-J1J-125A/690V AC	01		125	1420	9270	4	13	22		
DNT01-J1J-160A/690V AC	01		160	2400	15720	5	16.5	28		
DNT01-J1J-200A/690V AC	01		200	4350	28500	6.5	20	34		
DNT01-J1J-250A/690V AC	01		250	7220	46900	8	25	42		
DNT01-J1J-315A/690V AC	01		315	12200	79800	10	32	52		
DNT01-J1J-350A/690V AC	01		350	17300	112500	10.5	32.5	55		
DNT01-J1J-400A/690V AC	01		400	24100	157000	12	36.5	62		

### Overall dimensions (mm)



### Characteristic curve



### Usage and Maintenance

1. Installation, the size of the screw into the column does not exceed 6 mm ( recommended 5mm )
2. When tightening the nut, keep the nut can't rotate ;
3. It is recommended to use a stud installation, there is no recommended torque when the stud is screwed in, which is 1mm below the depth of the thread ;
4. The nut tightening torque is 10±1N.m.

# DNT01-J1N

## Fuse for Semiconductor Equipment Protection

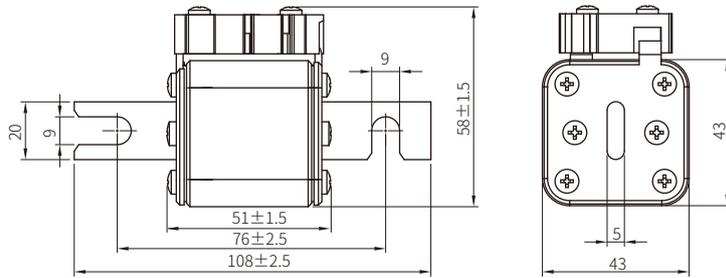


Rated Voltage	690V AC
Rated Current	40~400A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

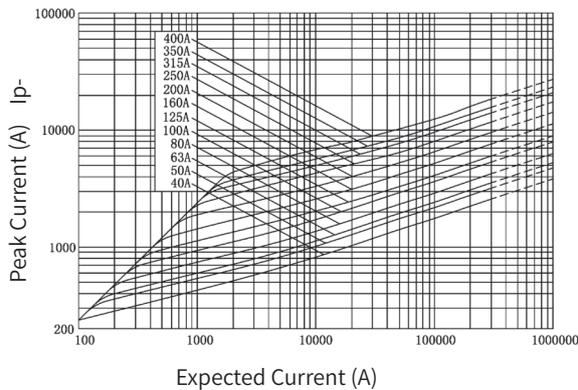
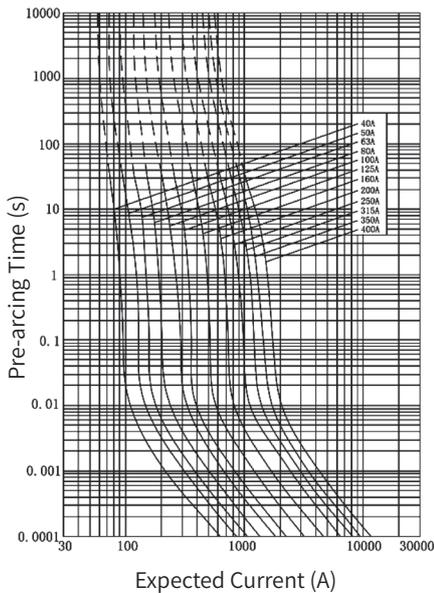
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT01-J1N-40A/690V AC	01	690	40	89	580	1.5	5	8.5	335±3%	M8 10±1N.m
DNT01-J1N-50A/690V AC	01		50	60	1035	2	5.5	9		
DNT01-J1N-63A/690V AC	01		63	266	1750	2.5	7	12		
DNT01-J1N-80A/690V AC	01		80	430	2800	3	10.5	16		
DNT01-J1N-100A/690V AC	01		100	800	5220	3.5	11	18.5		
DNT01-J1N-125A/690V AC	01		125	1420	9270	4	13	22		
DNT01-J1N-160A/690V AC	01		160	2400	15720	5	16.5	28		
DNT01-J1N-200A/690V AC	01		200	4350	28500	6.5	20	34		
DNT01-J1N-250A/690V AC	01		250	7220	46900	8	25	42		
DNT01-J1N-315A/690V AC	01		315	12200	79800	10	32	52		
DNT01-J1N-350A/690V AC	01		350	17300	112500	10.5	32.5	55		
DNT01-J1N-400A/690V AC	01		400	24100	157000	12	36.5	62		

### Overall dimensions (mm)



### Characteristic curve



# DNT1-J1J

## Fuse for Semiconductor Equipment Protection

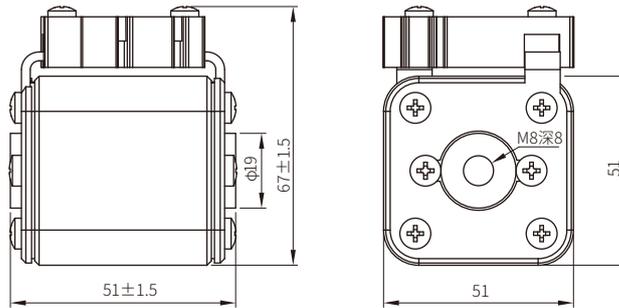


Rated Voltage	690V AC
Rated Current	100-630A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

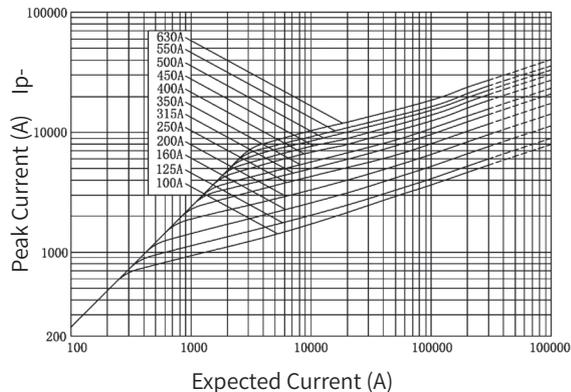
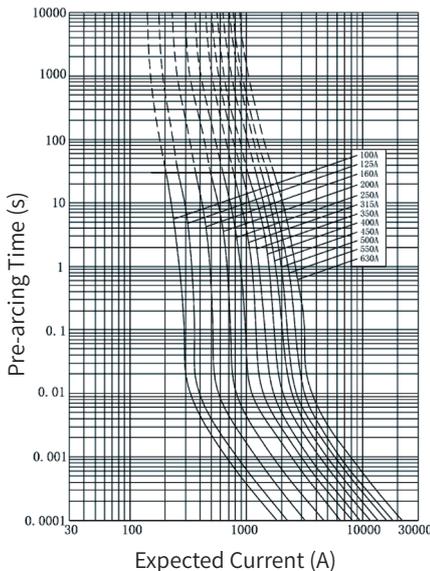
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT1-J1J-100A/690V AC	1	690	100	860	7600	2	11	19	435±3%	M10 21±1N.m
DNT1-J1J-125A/690V AC	1		125	1250	12200	4	14	23		
DNT1-J1J-160A/690V AC	1		160	2600	22800	5	17	28		
DNT1-J1J-200A/690V AC	1		200	3600	31800	7	22	37		
DNT1-J1J-250A/690V AC	1		250	5900	54500	9	27	45		
DNT1-J1J-315A/690V AC	1		315	9500	85800	11	34	57		
DNT1-J1J-350A/690V AC	1		350	12500	118000	12	35	60		
DNT1-J1J-400A/690V AC	1		400	17700	175000	13	59	66		
DNT1-J1J-450A/690V AC	1		450	24750	242500	14	42	71		
DNT1-J1J-500A/690V AC	1		500	31800	312200	15	45	77		
DNT1-J1J-550A/690V AC	1		550	43400	425000	16	47	80		
DNT1-J1J-630A/690V AC	1		630	63900	653000	18	52	87		

### Overall dimensions (mm)



### Characteristic curve



### Usage and Maintenance

1. Installation, the size of the screw into the column does not exceed 8 mm ( recommended 7mm )
2. When tightening the nut, keep the nut can't rotate ;
3. It is recommended to use a stud installation, there is no recommended torque when the stud is screwed in, which is 1mm below the depth of the thread ;
4. The nut tightening torque is 10±1N.m.

# DNT1-J1N

## Fuse for Semiconductor Equipment Protection

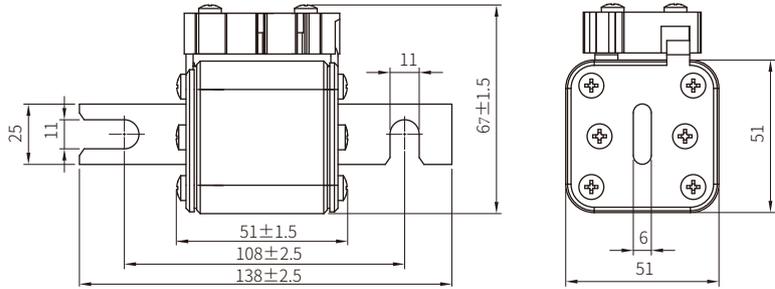


Rated Voltage	690V AC
Rated Current	100-630A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

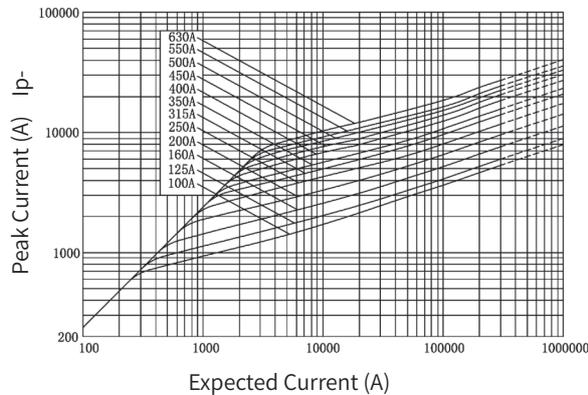
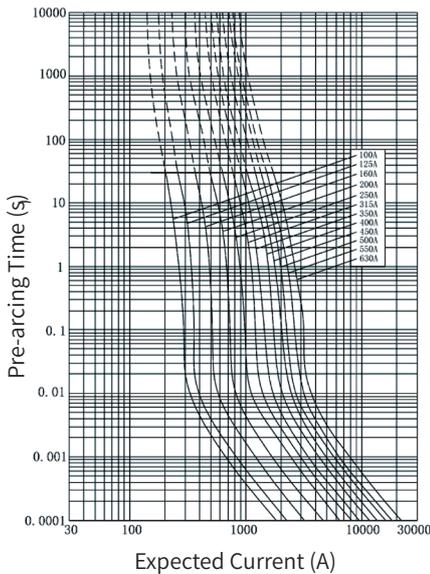
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT1-J1N-100A/690V AC	1	690	100	860	7600	2	11	19	465±3%	M10 21±1N.m
DNT1-J1N-125A/690V AC	1		125	1250	12200	4	14	23		
DNT1-J1N-160A/690V AC	1		160	2600	22800	5	17	28		
DNT1-J1N-200A/690V AC	1		200	3600	31800	7	22	37		
DNT1-J1N-250A/690V AC	1		250	5900	54500	9	27	45		
DNT1-J1N-315A/690V AC	1		315	9500	85800	11	34	57		
DNT1-J1N-350A/690V AC	1		350	12500	118000	12	35	60		
DNT1-J1N-400A/690V AC	1		400	17700	175000	13	59	66		
DNT1-J1N-450A/690V AC	1		450	24750	242500	14	42	71		
DNT1-J1N-500A/690V AC	1		500	31800	312200	15	45	77		
DNT1-J1N-550A/690V AC	1		550	43400	425000	16	47	80		
DNT1-J1N-630A/690V AC	1		630	63900	653000	18	52	87		

### Overall dimensions (mm)



### Characteristic curve



# DNT1-J1R

## Fuse for Semiconductor Equipment Protection

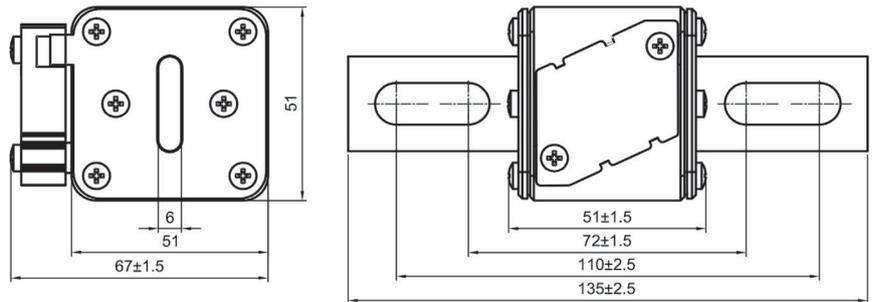


Rated Voltage	690V AC
Rated Current	100-630A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

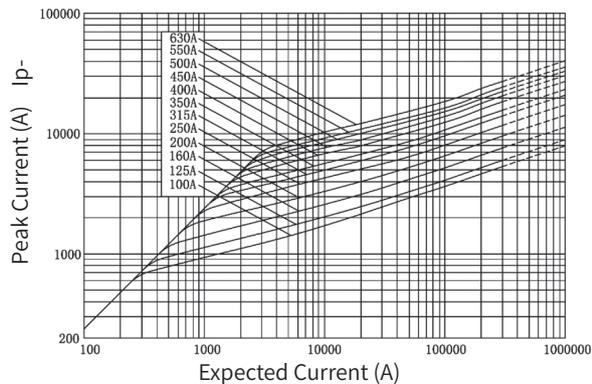
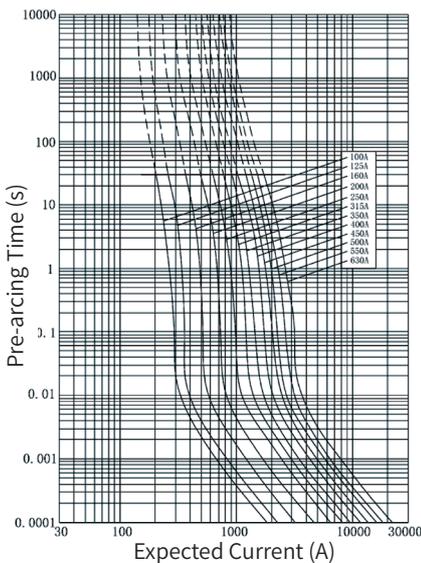
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT1-J1R-100A/690V AC	1	690	100	860	7600	2	11	19	455±3%	M10 21±1N.m
DNT1-J1R-125A/690V AC	1		125	1250	12200	4	14	23		
DNT1-J1R-160A/690V AC	1		160	2600	22800	5	17	28		
DNT1-J1R-200A/690V AC	1		200	3600	31800	7	22	37		
DNT1-J1R-250A/690V AC	1		250	5900	54500	9	27	45		
DNT1-J1R-315A/690V AC	1		315	9500	85800	11	34	57		
DNT1-J1R-350A/690V AC	1		350	12500	118000	12	35	60		
DNT1-J1R-400A/690V AC	1		400	17700	175000	13	59	66		
DNT1-J1R-450A/690V AC	1		450	24750	242500	14	42	71		
DNT1-J1R-500A/690V AC	1		500	31800	312200	15	45	77		
DNT1-J1R-550A/690V AC	1		550	43400	425000	16	47	80		
DNT1-J1R-630A/690V AC	1		630	63900	653000	18	52	87		

### Overall dimensions (mm)



### Characteristic curve



# DNT1-J1L Fuse for Semiconductor Equipment Protection

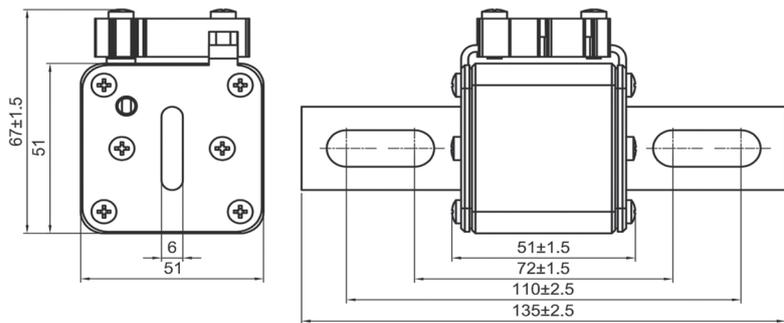


Rated Voltage	690V AC
Rated Current	100-630A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

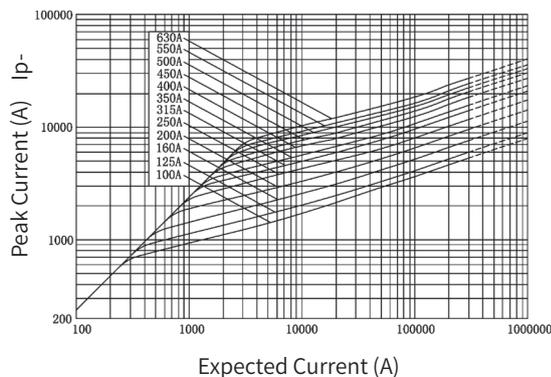
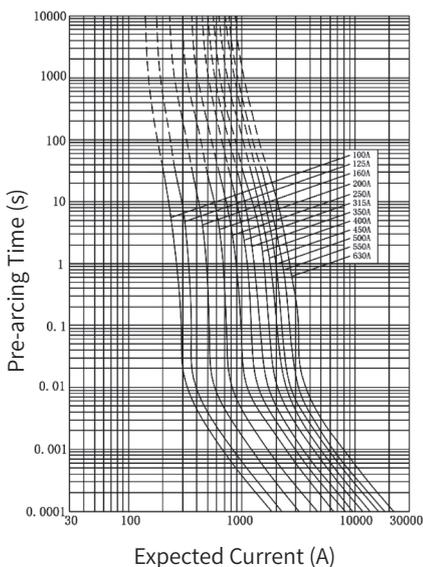
## Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT1-J1L-100A/690V AC	1	690	100	860	7600	2	11	19	455±3%	M10 21±1N.m
DNT1-J1L-125A/690V AC	1		125	1250	12200	4	14	23		
DNT1-J1L-160A/690V AC	1		160	2600	22800	5	17	28		
DNT1-J1L-200A/690V AC	1		200	3600	31800	7	22	37		
DNT1-J1L-250A/690V AC	1		250	5900	54500	9	27	45		
DNT1-J1L-315A/690V AC	1		315	9500	85800	11	34	57		
DNT1-J1L-350A/690V AC	1		350	12500	118000	12	35	60		
DNT1-J1L-400A/690V AC	1		400	17700	175000	13	59	66		
DNT1-J1L-450A/690V AC	1		450	24750	242500	14	42	71		
DNT1-J1L-500A/690V AC	1		500	31800	312200	15	45	77		
DNT1-J1L-550A/690V AC	1		550	43400	425000	16	47	80		
DNT1-J1L-630A/690V AC	1		630	63900	653000	18	52	87		

## Overall dimensions (mm)



## Characteristic curve



# DNT2-J1J

## Fuse for Semiconductor Equipment Protection

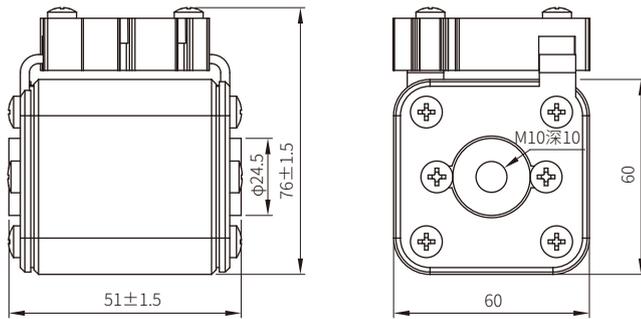


Rated Voltage	690V AC
Rated Current	350-800A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

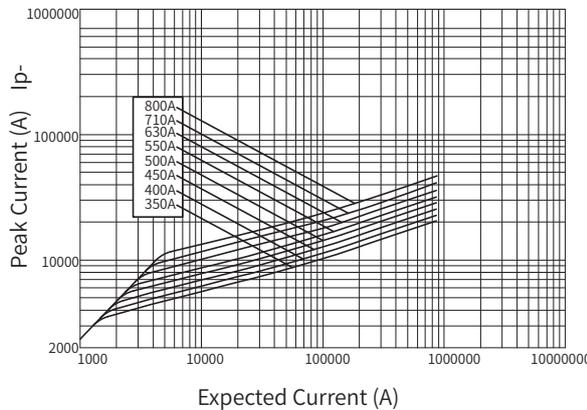
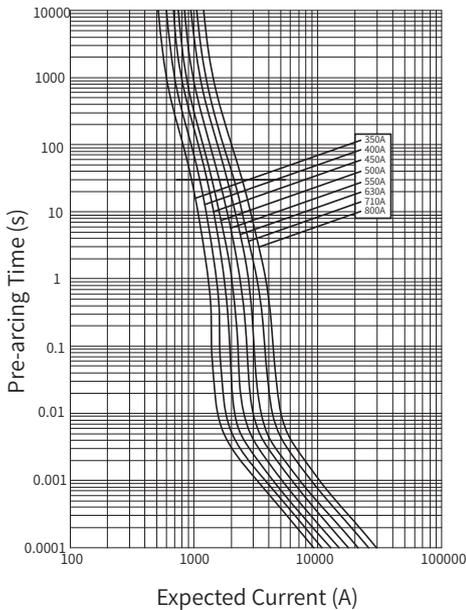
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT2-J1J-350A/690V AC	2	690	350	860	7600	11	35	60	588±3%	M10 21±1N.m
DNT2-J1J-400A/690V AC	2		400	14800	104200	12	38	64		
DNT2-J1J-450A/690V AC	2		450	19400	134000	13	41	71		
DNT2-J1J-500A/690V AC	2		500	26200	185000	14	43	75		
DNT2-J1J-550A/690V AC	2		550	34500	240000	15	48	80		
DNT2-J1J-630A/690V AC	2		630	48600	341000	17	53	89		
DNT2-J1J-710A/690V AC	2		710	65200	455000	18	55	93		
DNT2-J1J-800A/690V AC	2		800	91000	636000	20	61	103		

### Overall dimensions (mm)



### Characteristic curve



### Usage and Maintenance

1. Installation, the size of the screw into the column does not exceed 10 mm (recommended 9mm)
2. When tightening the nut, keep the nut can't rotate;
3. It is recommended to use a stud installation, there is no recommended torque when the stud is screwed in, which is 1mm below the depth of the thread;
4. The nut tightening torque is 10±1N.m.

# DNT2-J1N

## Fuse for Semiconductor Equipment Protection

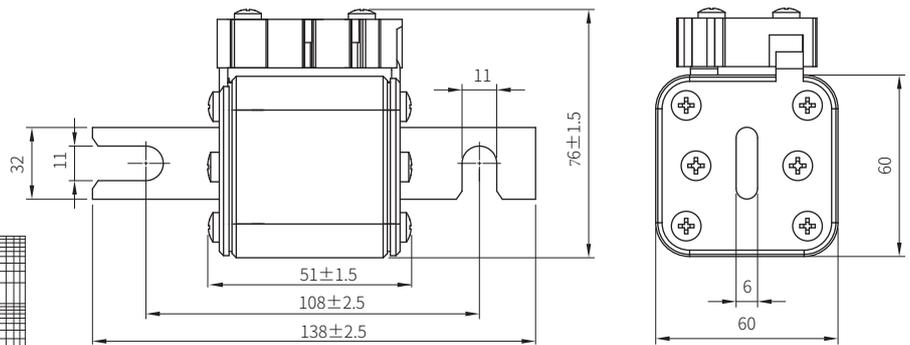


Rated Voltage	690V AC
Rated Current	350-800A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

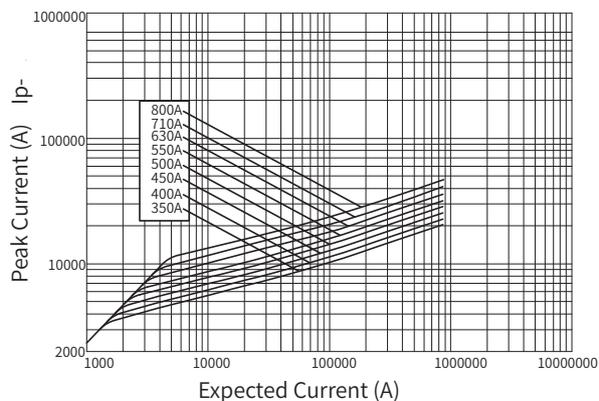
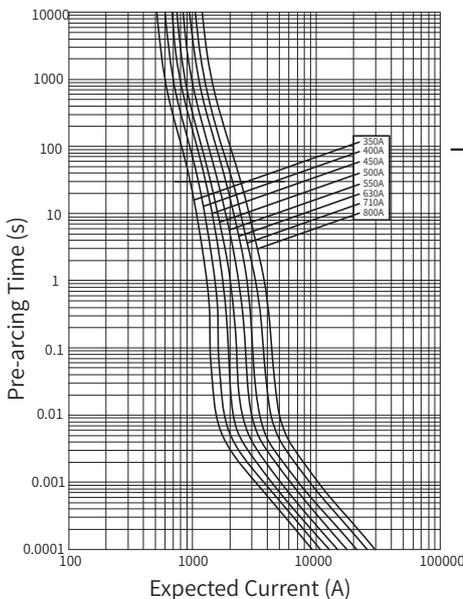
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT2-J1N-350A/690V AC	2	690	350	860	7600	11	35	60	625±3%	M10 21±1N.m
DNT2-J1N-400A/690V AC	2		400	14800	104200	12	38	64		
DNT2-J1N-450A/690V AC	2		450	19400	134000	13	41	71		
DNT2-J1N-500A/690V AC	2		500	26200	185000	14	43	75		
DNT2-J1N-550A/690V AC	2		550	34500	240000	15	48	80		
DNT2-J1N-630A/690V AC	2		630	48600	341000	17	53	89		
DNT2-J1N-710A/690V AC	2		710	65200	455000	18	55	93		
DNT2-J1N-800A/690V AC	2		800	91000	636000	20	61	103		

### Overall dimensions (mm)



### Characteristic curve



# DNT2-J1R

## Fuse for Semiconductor Equipment Protection

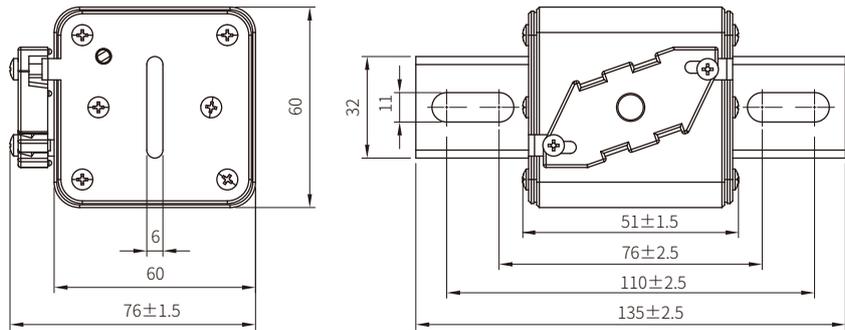


Rated Voltage	690V AC
Rated Current	350~800A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

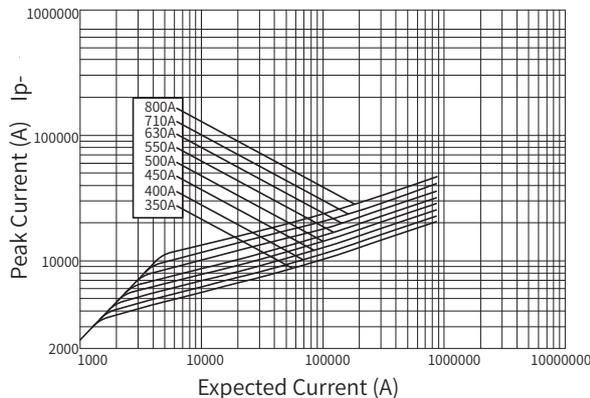
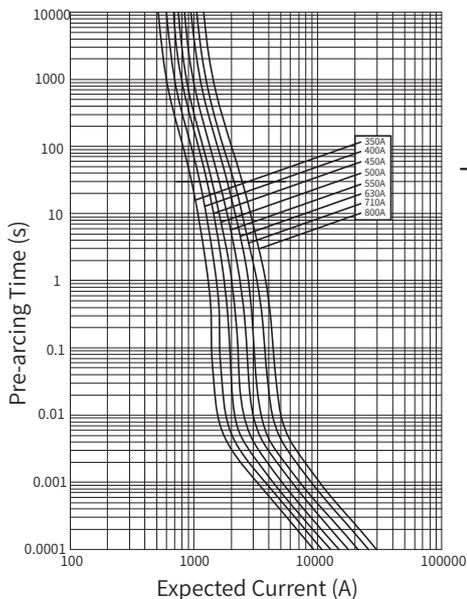
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> s)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT2-J1R-350A/690V AC	2	690	350	860	7600	11	35	60	625±3%	M10 21±1N.m
DNT2-J1R-400A/690V AC	2		400	14800	104200	12	38	64		
DNT2-J1R-450A/690V AC	2		450	19400	134000	13	41	71		
DNT2-J1R-500A/690V AC	2		500	26200	185000	14	43	75		
DNT2-J1R-550A/690V AC	2		550	34500	240000	15	48	80		
DNT2-J1R-630A/690V AC	2		630	48600	341000	17	53	89		
DNT2-J1R-710A/690V AC	2		710	65200	455000	18	55	93		
DNT2-J1R-800A/690V AC	2		800	91000	636000	20	61	103		

### Overall dimensions (mm)



### Characteristic curve



# DNT2-J1L Fuse for Semiconductor Equipment Protection

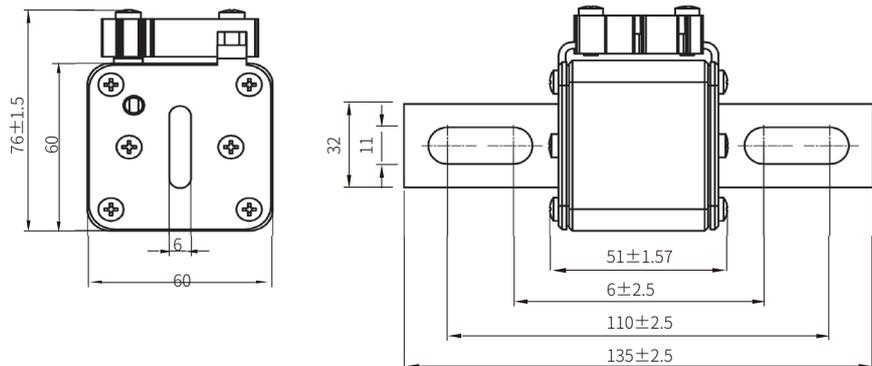


Rated Voltage	690V AC
Rated Current	350-800A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

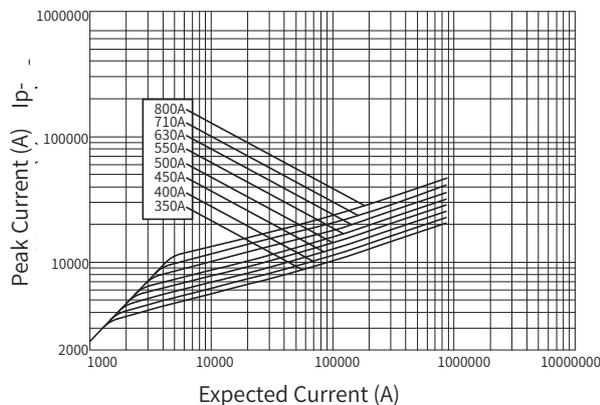
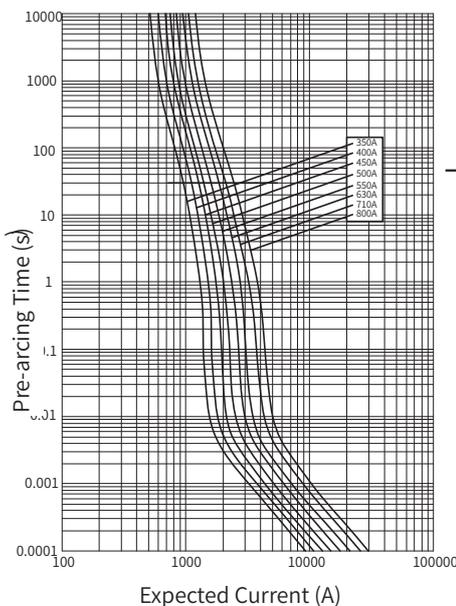
## Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT2-J1L-350A/690V AC	2	690	350	860	7600	11	35	60	625±3%	M10 21±1N.m
DNT2-J1L-400A/690V AC	2		400	14800	104200	12	38	64		
DNT2-J1L-450A/690V AC	2		450	19400	134000	13	41	71		
DNT2-J1L-500A/690V AC	2		500	26200	185000	14	43	75		
DNT2-J1L-550A/690V AC	2		550	34500	240000	15	48	80		
DNT2-J1L-630A/690V AC	2		630	48600	341000	17	53	89		
DNT2-J1L-710A/690V AC	2		710	65200	455000	18	55	93		
DNT2-J1L-800A/690V AC	2		800	91000	636000	20	61	103		

## Overall dimensions (mm)



## Characteristic curve



# DNT3-J1J

## Fuse for Semiconductor Equipment Protection

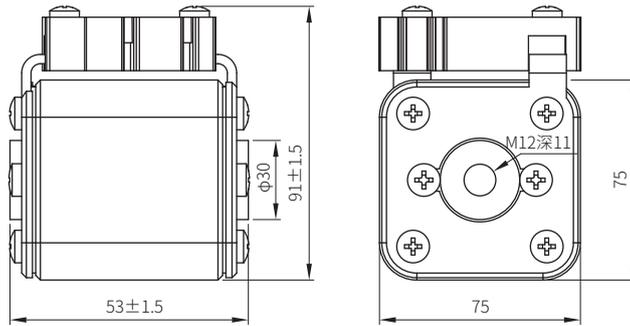


Rated Voltage	690V AC
Rated Current	500-1250A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

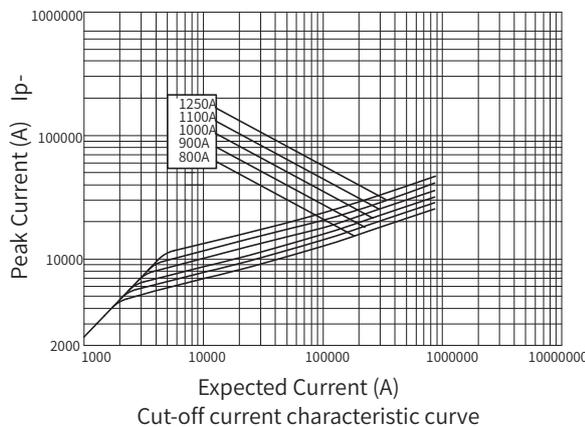
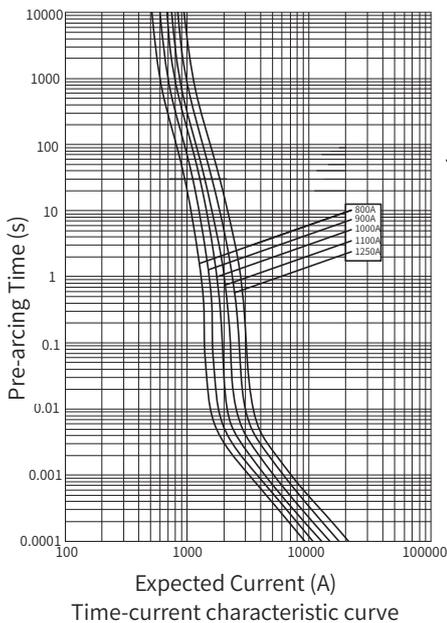
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT3-J1J-500A/690V AC	3	690	500	22000	180000	16	49	82	880±3%	M12 38±1N.m
DNT3-J1J-550A/690V AC	3		550	27000	180000	19	56	94		
DNT3-J1J-630A/690V AC	3		630	37600	307000	21	63	105		
DNT3-J1J-710A/690V AC	3		710	49500	403000	23	69	115		
DNT3-J1J-800A/690V AC	3		800	68800	561500	25	76	129		
DNT3-J1J-900A/690V AC	3		900	95000	773000	26	82	139		
DNT3-J1J-1000A/690V AC	3		1000	125000	1022000	28	88	149		
DNT3-J1J-1100A/690V AC	3		1100	174100	1131000	35	108	183		
DNT3-J1J-1250A/690V AC	3		1250	248100	1600000	36	112	190		

### Overall dimensions (mm)



### Characteristic curve



### Usage and Maintenance

1. Installation, the size of the screw into the column does not exceed 11 mm ( recommended 10mm )
2. When tightening the nut, keep the nut can't rotate ;
3. It is recommended to use a stud installation, there is no recommended torque when the stud is screwed in, which is 1mm below the depth of the thread ;
4. The nut tightening torque is 38±1N.m.

# DNT3-J1N

## Fuse for Semiconductor Equipment Protection

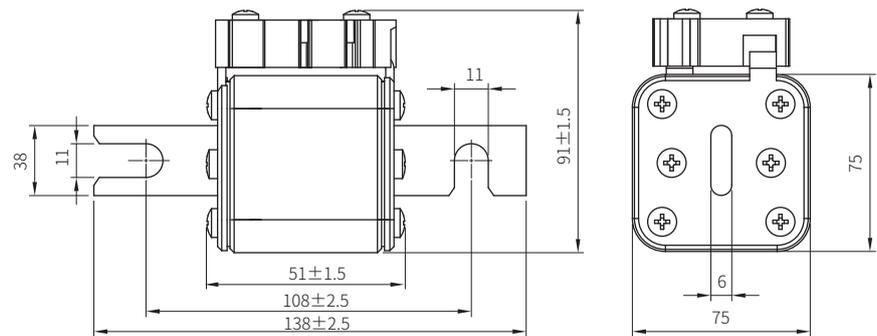


Rated Voltage	690V AC
Rated Current	500-1250A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

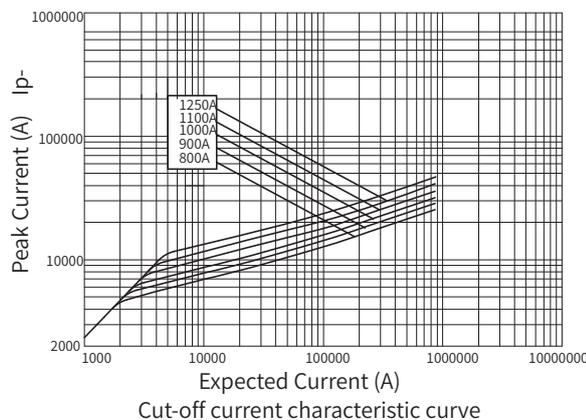
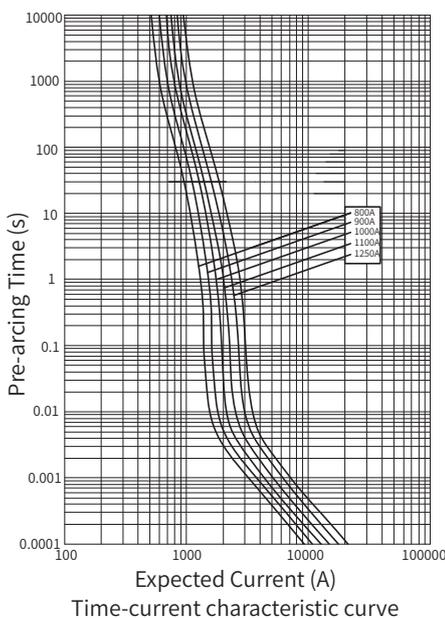
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT3-J1N-500A/690V AC	3	690	500	22000	180000	16	49	82	930±3%	M10 21±1N.m
DNT3-J1N-550A/690V AC	3		550	27000	180000	19	56	94		
DNT3-J1N-630A/690V AC	3		630	37600	307000	21	63	105		
DNT3-J1N-710A/690V AC	3		710	49500	403000	23	69	115		
DNT3-J1N-800A/690V AC	3		800	68800	561500	25	76	129		
DNT3-J1N-900A/690V AC	3		900	95000	773000	26	82	139		
DNT3-J1N-1000A/690V AC	3		1000	125000	1022000	28	88	149		
DNT3-J1N-1100A/690V AC	3		1100	174100	1131000	35	108	183		
DNT3-J1N-1250A/690V AC	3		1250	248100	1600000	36	112	190		

### Overall dimensions (mm)



### Characteristic curve



# DNT3-J1R

## Fuse for Semiconductor Equipment Protection

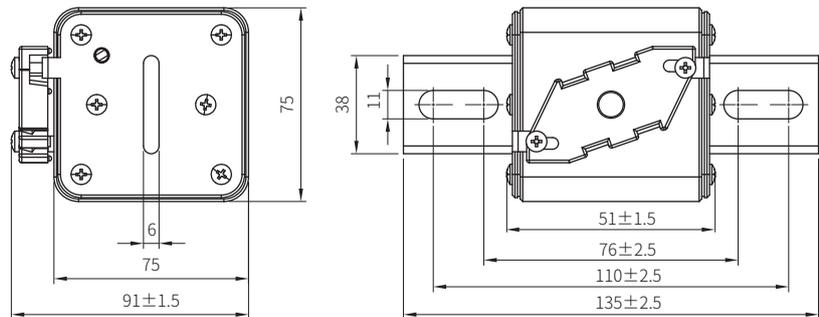


Rated Voltage	690V AC
Rated Current	500-1250A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

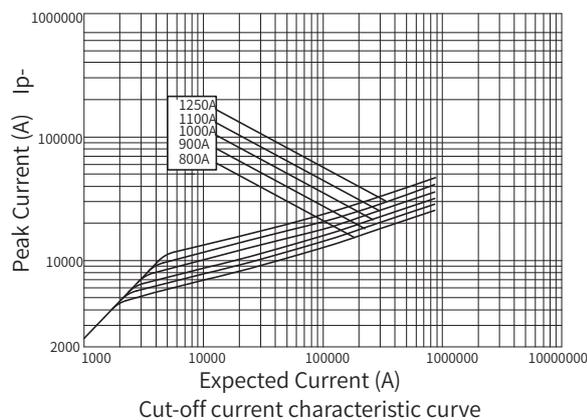
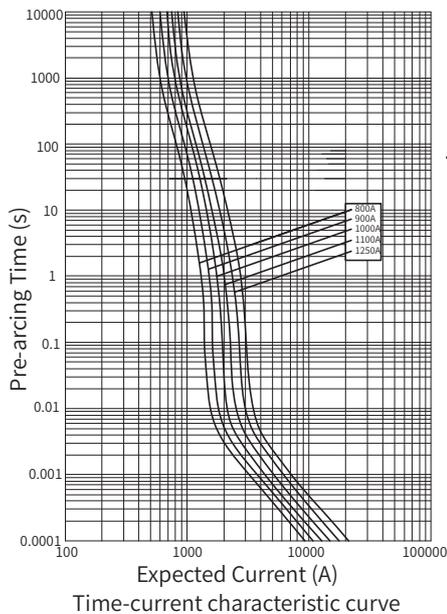
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT3-J1R-500A/690V AC	3	690	500	22000	180000	16	49	82	930±3%	M10 21±1N.m
DNT3-J1R-550A/690V AC	3		550	27000	180000	19	56	94		
DNT3-J1R-630A/690V AC	3		630	37600	307000	21	63	105		
DNT3-J1R-710A/690V AC	3		710	49500	403000	23	69	115		
DNT3-J1R-800A/690V AC	3		800	68800	561500	25	76	129		
DNT3-J1R-900A/690V AC	3		900	95000	773000	26	82	139		
DNT3-J1R-1000A/690V AC	3		1000	125000	1022000	28	88	149		
DNT3-J1R-1100A/690V AC	3		1100	174100	1131000	35	108	183		
DNT3-J1R-1250A/690V AC	3		1250	248100	1600000	36	112	190		

### Overall dimensions (mm)



### Characteristic curve



# DNT3-J1L

## Fuse for Semiconductor Equipment Protection

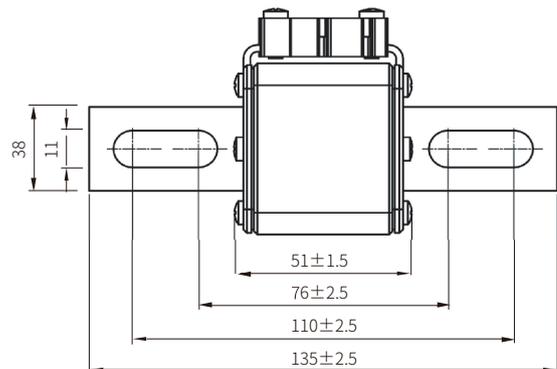
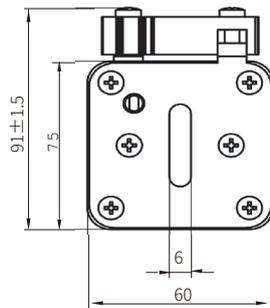


Rated Voltage	690V AC
Rated Current	500-1250A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

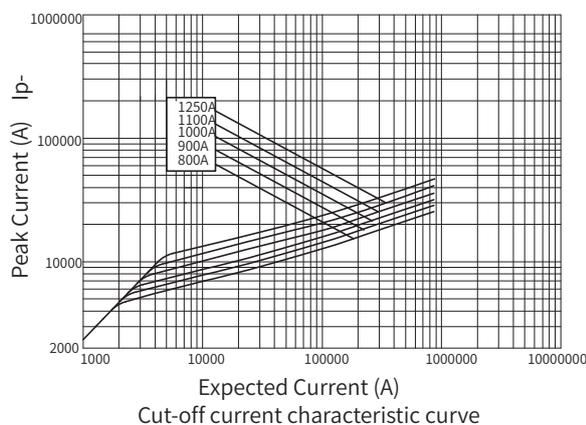
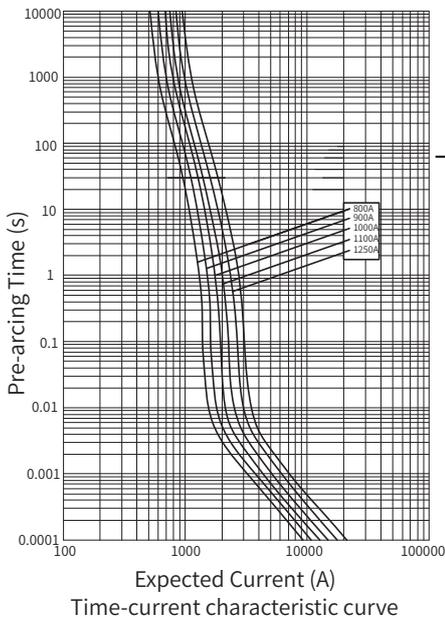
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT3-J1L-500A/690V AC	3	690	500	22000	180000	16	49	82	930±3%	M10 21±1N.m
DNT3-J1L-550A/690V AC	3		550	27000	180000	19	56	94		
DNT3-J1L-630A/690V AC	3		630	37600	307000	21	63	105		
DNT3-J1L-710A/690V AC	3		710	49500	403000	23	69	115		
DNT3-J1L-800A/690V AC	3		800	68800	561500	25	76	129		
DNT3-J1L-900A/690V AC	3		900	95000	773000	26	82	139		
DNT3-J1L-1000A/690V AC	3		1000	125000	1022000	28	88	149		
DNT3-J1L-1100A/690V AC	3		1100	174100	1131000	35	108	183		
DNT3-J1L-1250A/690V AC	3		1250	248100	1600000	36	112	190		

### Overall dimensions (mm)



### Characteristic curve



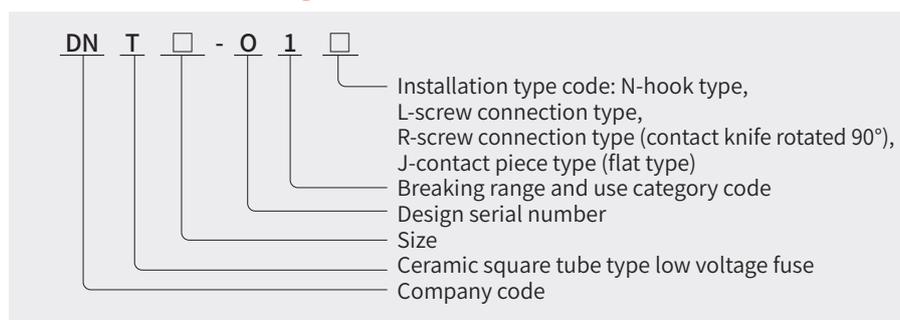
# DNT□-O1□ Fuse for Semiconductor Equipment Protection



## Product Profile

This series of fuses for semiconductor equipment protection has the characteristics of strong current limiting capability and high breaking capacity; It is 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



## Ordering Instructions

When ordering, users should provide the following information:

DNT series semiconductor equipment protection fuses should be specified Specification model, rated current, Specification model, rated voltage and quantity.

For example:

DNT01-J1N-250A/690V AC 10 pieces

## Normal working conditions

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

# DNT1-01J

## Fuse for Semiconductor Equipment Protection

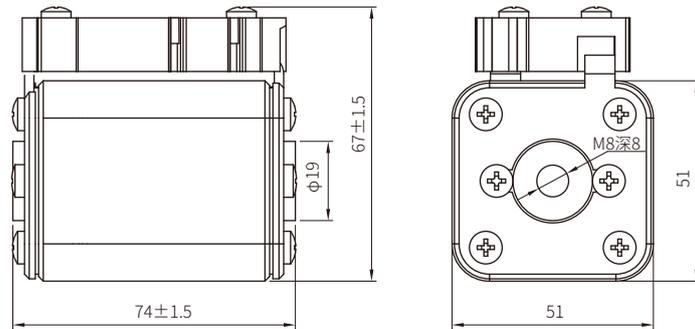


Rated Voltage	1000V AC
Rated Current	160-630A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

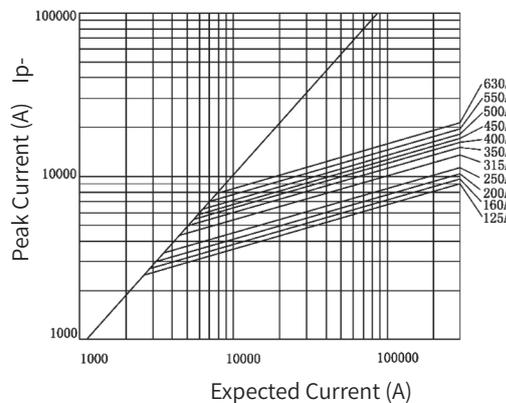
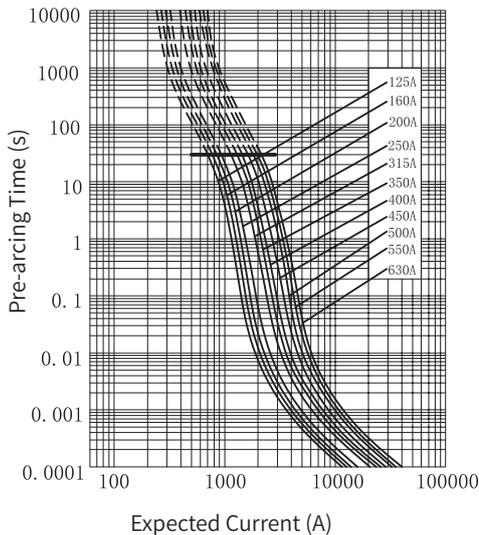
### Product parameter

Model No.	Size	Ue (V)	In (A)	I²t (A²S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT1-01J-160A/1000V AC	1	1000	160	2200	13500	7	23.5	40	573±3%	M10 21±1N.m
DNT1-01J-200A/1000V AC	1		200	4150	24500	8.5	26.5	45		
DNT1-01J-250A/1000V AC	1		250	7750	46000	10	31	52		
DNT1-01J-315A/1000V AC	1		315	16500	98500	11	35	60		
DNT1-01J-350A/1000V AC	1		350	21500	130000	12	38	65		
DNT1-01J-400A/1000V AC	1		400	31000	185000	13	41	70		
DNT1-01J-450A/1000V AC	1		450	44500	265000	15	47	80		
DNT1-01J-500A/1000V AC	1		500	63000	375000	16	50	85		
DNT1-01J-550A/1000V AC	1		550	84500	500000	17	53	90		
DNT1-01J-630A/1000V AC	1		630	125000	755000	19	58	98		

### Overall dimensions (mm)



### Characteristic curve



### Usage and Maintenance

- 1.Installation, the size of the screw into the column does not exceed 8 mm (recommended 7mm)
- 2.When tightening the nut, keep the nut can't rotate;
- 3.It is recommended to use a stud installation, there is no recommended torque when the stud is screwed in, which is 1mm below the depth of the thread;
- 4.The nut tightening torque is 10±1N.m.

# DNT1-O1N

## Fuse for Semiconductor Equipment Protection

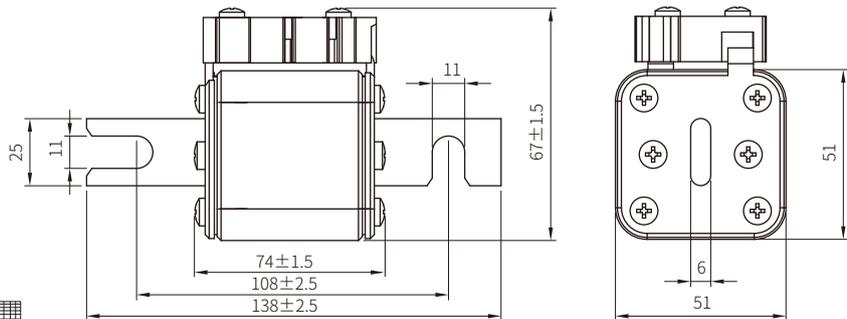


Rated Voltage	1000V AC
Rated Current	160-630A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

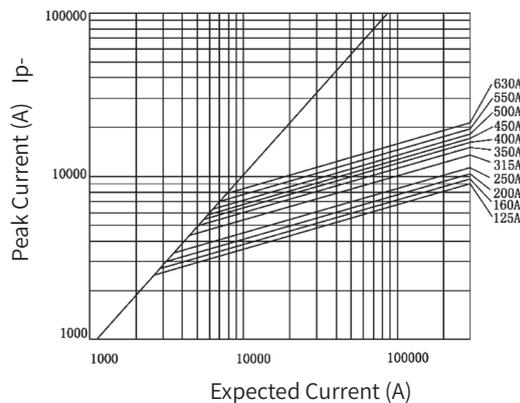
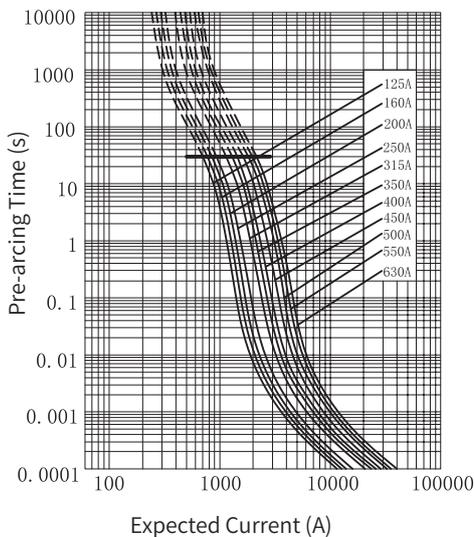
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT1-O1N-160A/1000V AC	1	1000	160	2200	13500	7	23.5	40	595±3%	M10 21±1N.m
DNT1-O1N-200A/1000V AC	1		200	4150	24500	8.5	26.5	45		
DNT1-O1N-250A/1000V AC	1		250	7750	46000	10	31	52		
DNT1-O1N-315A/1000V AC	1		315	16500	98500	11	35	60		
DNT1-O1N-350A/1000V AC	1		350	21500	130000	12	38	65		
DNT1-O1N-400A/1000V AC	1		400	31000	185000	13	41	70		
DNT1-O1N-450A/1000V AC	1		450	44500	265000	15	47	80		
DNT1-O1N-500A/1000V AC	1		500	63000	375000	16	50	85		
DNT1-O1N-550A/1000V AC	1		550	84500	500000	17	53	90		
DNT1-O1N-630A/1000V AC	1		630	125000	755000	19	58	98		

### Overall dimensions (mm)



### Characteristic curve



# DNT1-O1R

## Fuse for Semiconductor Equipment Protection

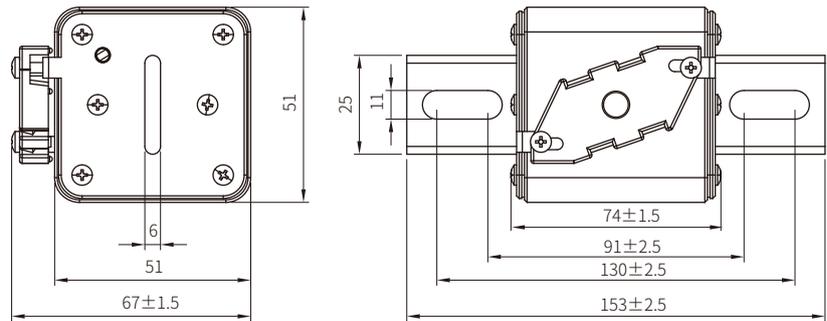


Rated Voltage	1000V AC
Rated Current	160-630A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

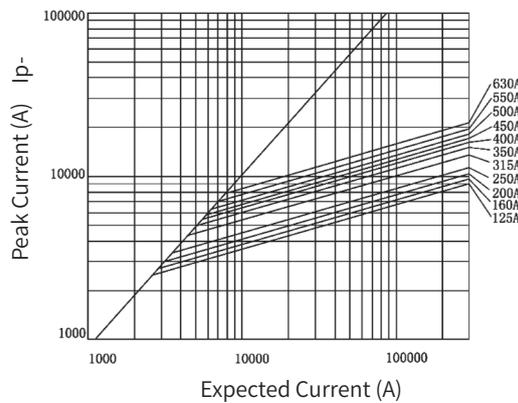
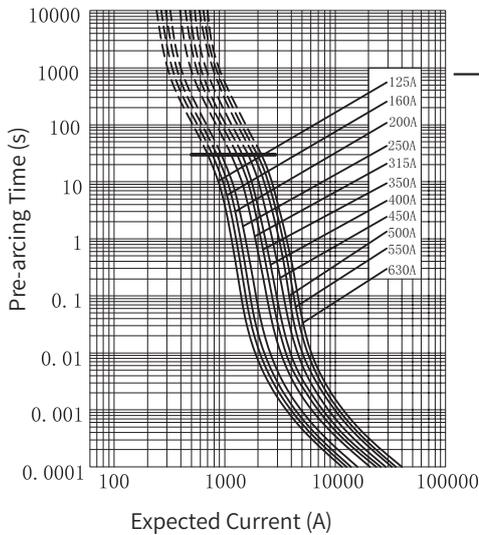
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT1-O1R-160A/1000V AC	1	1000	160	2200	13500	7	23.5	40	605±3%	M10 21±1N.m
DNT1-O1R-200A/1000V AC	1		200	4150	24500	8.5	26.5	45		
DNT1-O1R-250A/1000V AC	1		250	7750	46000	10	31	52		
DNT1-O1R-315A/1000V AC	1		315	16500	98500	11	35	60		
DNT1-O1R-350A/1000V AC	1		350	21500	130000	12	38	65		
DNT1-O1R-400A/1000V AC	1		400	31000	185000	13	41	70		
DNT1-O1R-450A/1000V AC	1		450	44500	265000	15	47	80		
DNT1-O1R-500A/1000V AC	1		500	63000	375000	16	50	85		
DNT1-O1R-550A/1000V AC	1		550	84500	500000	17	53	90		
DNT1-O1R-630A/1000V AC	1		630	125000	755000	19	58	98		

### Overall dimensions (mm)



### Characteristic curve



# DNT1-O1L

## Fuse for Semiconductor Equipment Protection

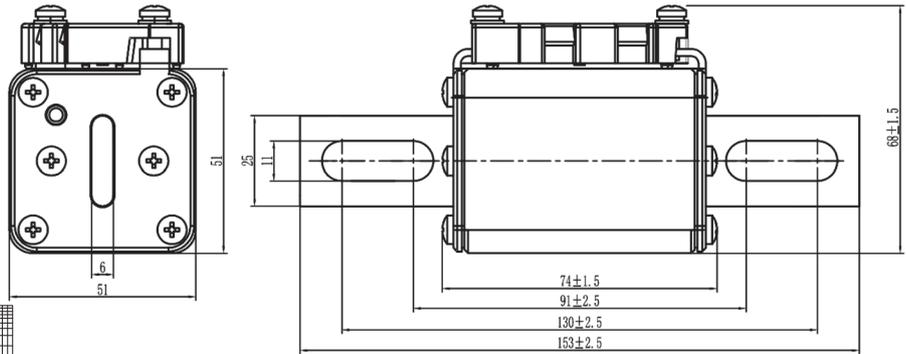


Rated Voltage	1000V AC
Rated Current	160-630A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

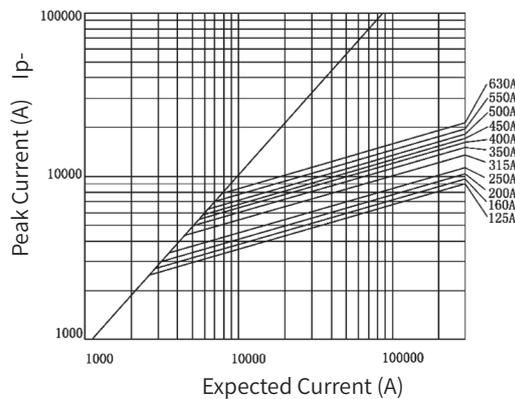
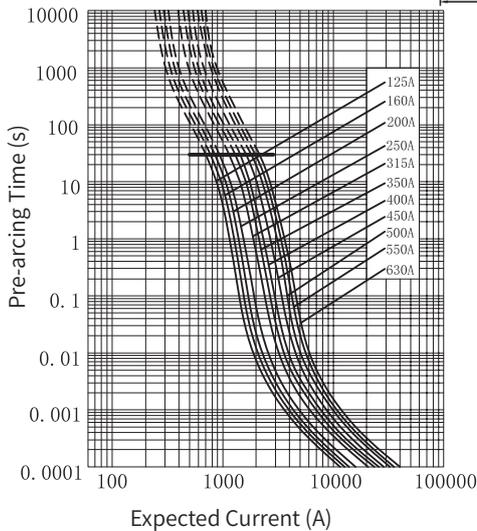
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT1-O1L-160A/1000V AC	1	1000	160	2200	13500	7	23.5	40	605±3%	M10 21±1N.m
DNT1-O1L-200A/1000V AC	1		200	4150	24500	8.5	26.5	45		
DNT1-O1L-250A/1000V AC	1		250	7750	46000	10	31	52		
DNT1-O1L-315A/1000V AC	1		315	16500	98500	11	35	60		
DNT1-O1L-350A/1000V AC	1		350	21500	130000	12	38	65		
DNT1-O1L-400A/1000V AC	1		400	31000	185000	13	41	70		
DNT1-O1L-450A/1000V AC	1		450	44500	265000	15	47	80		
DNT1-O1L-500A/1000V AC	1		500	63000	375000	16	50	85		
DNT1-O1L-550A/1000V AC	1		550	84500	500000	17	53	90		
DNT1-O1L-630A/1000V AC	1		630	125000	755000	19	58	98		

### Overall dimensions (mm)



### Characteristic curve



# DNT2-01J

## Fuse for Semiconductor Equipment Protection

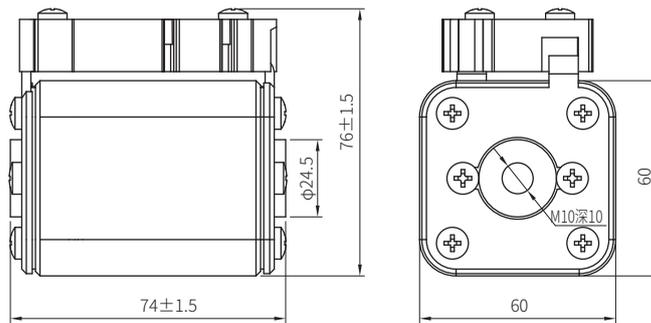


Rated Voltage	1000V AC
Rated Current	350-800A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

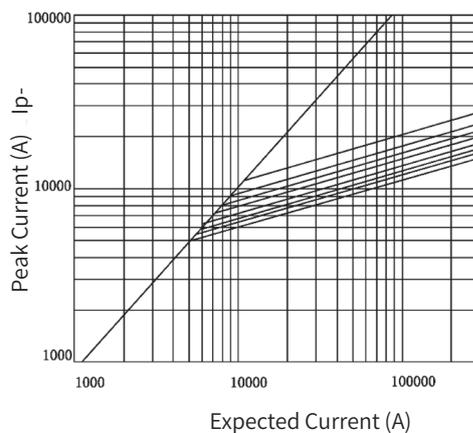
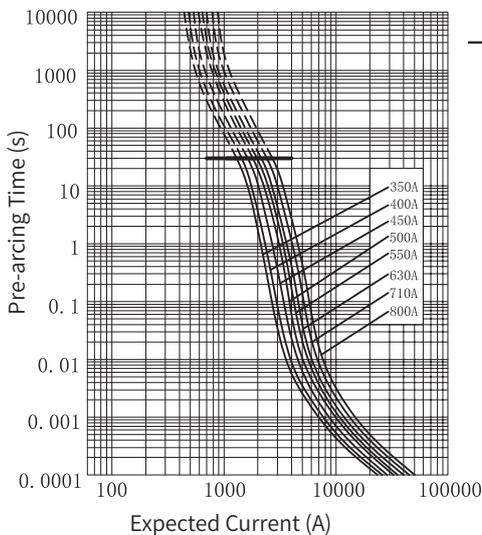
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT2-01J-350A/1000V AC	2	1000	350	16500	99000	15	47	80	913±3%	M10 21±1N.m
DNT2-01J-400A/1000V AC	2		400	26000	155000	16	50	85		
DNT2-01J-450A/1000V AC	2		450	35500	210000	17	53	90		
DNT2-01J-500A/1000V AC	2		500	49500	295000	18	56	95		
DNT2-01J-550A/1000V AC	2		550	66000	390000	19	59	100		
DNT2-01J-630A/1000V AC	2		630	93500	555000	21	65	110		
DNT2-01J-710A/1000V AC	2		710	130000	770000	22	68	115		
DNT2-01J-800A/1000V AC	2		800	195000	1200000	24	74	125		

### Overall dimensions (mm)



### Characteristic curve



### Usage and Maintenance

- 1.Installation, the size of the screw into the column does not exceed 10mm ( recommended 9mm )
- 2.When tightening the nut, keep the nut can 't rotate ;
- 3.It is recommended to use a stud installation, there is no recommended torque when the stud is screwed in, which is 1mm below the depth of the thread ;
- 4.The nut tightening torque is 21 ± 1N.m.

# DNT2-O1N

## Fuse for Semiconductor Equipment Protection

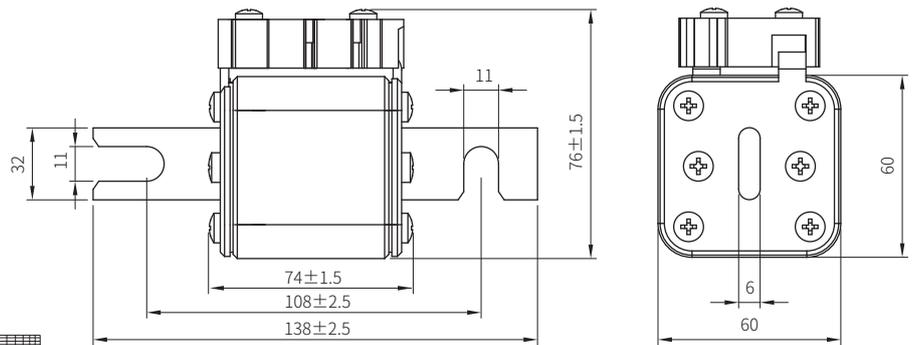


Rated Voltage	1000V AC
Rated Current	350-800A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、 IEC 60269-4
Certificates	CCC CE TUV

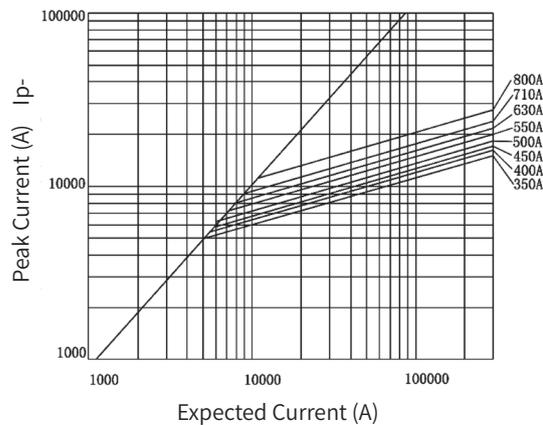
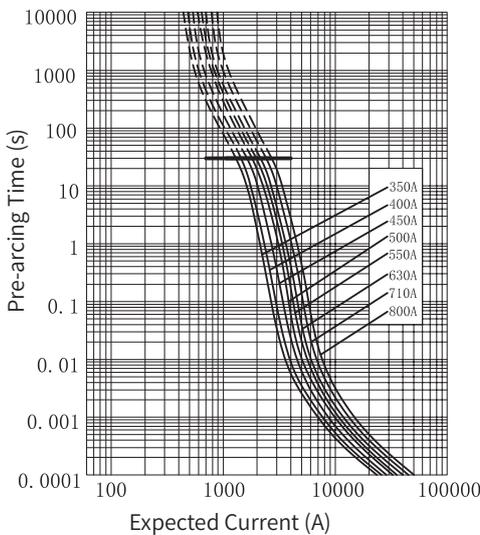
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT2-O1N-350A/1000V AC	2	1000	350	16500	99000	15	47	80	935±3%	M10 21±1N.m
DNT2-O1N-400A/1000V AC	2		400	26000	155000	16	50	85		
DNT2-O1N-450A/1000V AC	2		450	35500	210000	17	53	90		
DNT2-O1N-500A/1000V AC	2		500	49500	295000	18	56	95		
DNT2-O1N-550A/1000V AC	2		550	66000	390000	19	59	100		
DNT2-O1N-630A/1000V AC	2		630	93500	555000	21	65	110		
DNT2-O1N-710A/1000V AC	2		710	130000	770000	22	68	115		
DNT2-O1N-800A/1000V AC	2		800	195000	1200000	24	74	125		

### Overall dimensions (mm)



### Characteristic curve



# DNT2-O1R

## Fuse for Semiconductor Equipment Protection

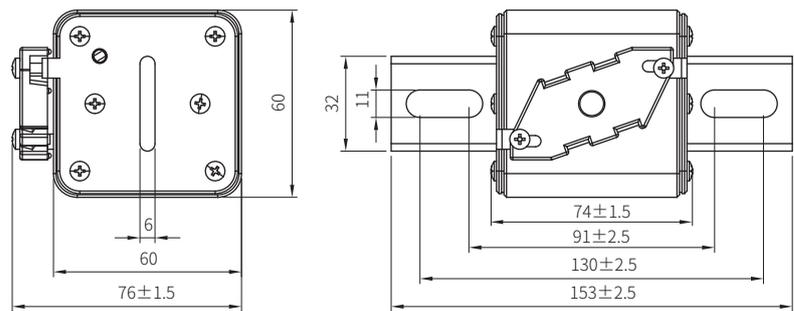


Rated Voltage	1000V AC
Rated Current	350-800A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

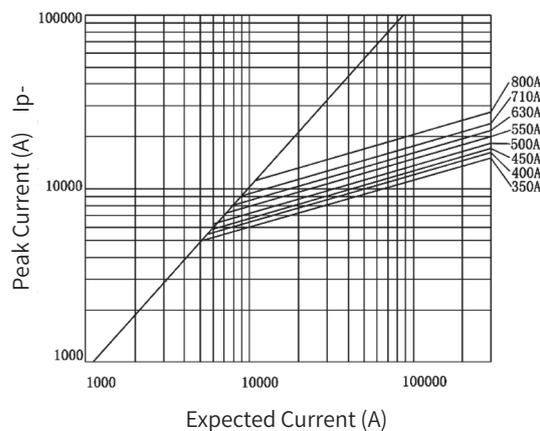
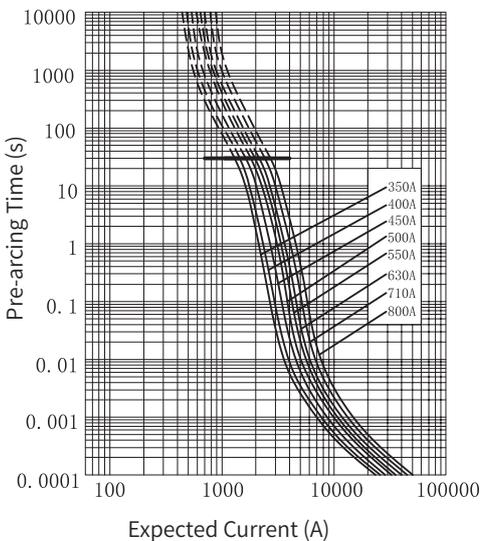
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT2-O1R-350A/1000V AC	2	1000	350	16500	99000	15	47	80	945±3%	M10 21±1N.m
DNT2-O1R-400A/1000V AC	2		400	26000	155000	16	50	85		
DNT2-O1R-450A/1000V AC	2		450	35500	210000	17	53	90		
DNT2-O1R-500A/1000V AC	2		500	49500	295000	18	56	95		
DNT2-O1R-550A/1000V AC	2		550	66000	390000	19	59	100		
DNT2-O1R-630A/1000V AC	2		630	93500	555000	21	65	110		
DNT2-O1R-710A/1000V AC	2		710	130000	770000	22	68	115		
DNT2-O1R-800A/1000V AC	2		800	195000	1200000	24	74	125		

### Overall dimensions (mm)



### Characteristic curve



# DNT2-O1L

## Fuse for Semiconductor Equipment Protection

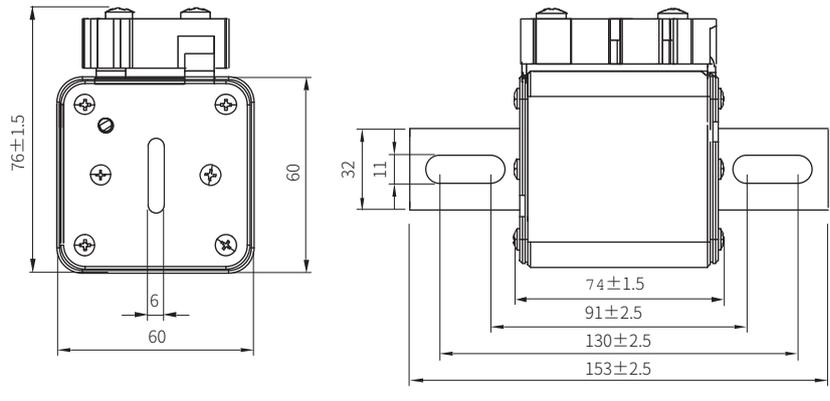


Rated Voltage	1000V AC
Rated Current	350-800A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

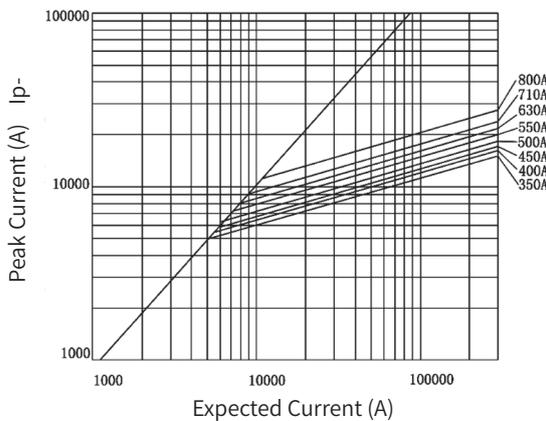
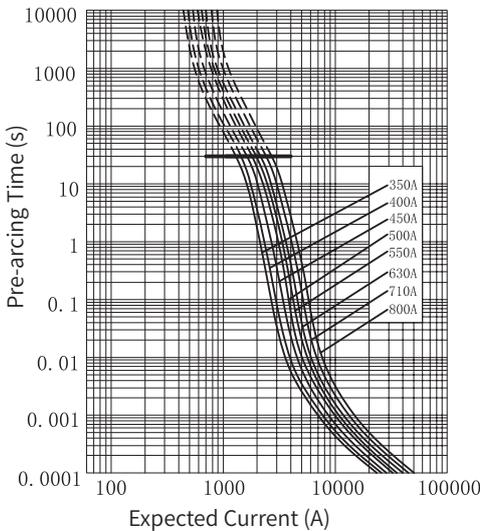
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT2-O1L-350A/1000V AC	2	1000	350	16500	99000	15	47	80	945±3%	M10 21±1N.m
DNT2-O1L-400A/1000V AC	2		400	26000	155000	16	50	85		
DNT2-O1L-450A/1000V AC	2		450	35500	210000	17	53	90		
DNT2-O1L-500A/1000V AC	2		500	49500	295000	18	56	95		
DNT2-O1L-550A/1000V AC	2		550	66000	390000	19	59	100		
DNT2-O1L-630A/1000V AC	2		630	93500	555000	21	65	110		
DNT2-O1L-710A/1000V AC	2		710	130000	770000	22	68	115		
DNT2-O1L-800A/1000V AC	2		800	195000	1200000	24	74	125		

### Overall dimensions (mm)



### Characteristic curve



# DNT3-01J

## Fuse for Semiconductor Equipment Protection

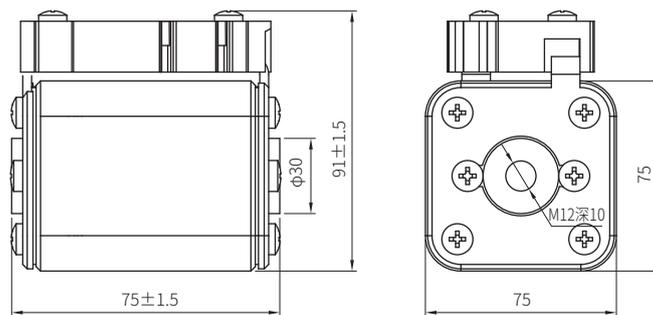


Rated Voltage	1000V AC
Rated Current	630-1250A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

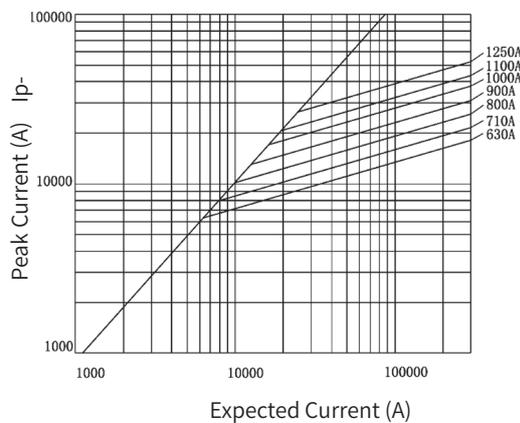
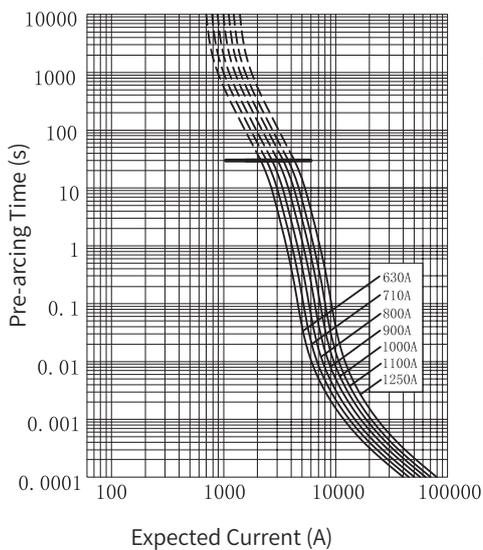
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT3-01J-630A/1000V AC	3	1000	630	83500	490000	23	81	120	1150±3%	M12 38±1N.m
DNT3-01J-710A/1000V AC	3		710	115000	700000	24	84	125		
DNT3-01J-800A/1000V AC	3		800	170000	1050000	26	80	135		
DNT3-01J-900A/1000V AC	3		900	250000	1500000	27	85	145		
DNT3-01J-1000A/1000V AC	3		1000	340000	2050000	28.5	88.5	150		
DNT3-01J-1100A/1000V AC	3		1100	460000	2750000	29	91	155		
DNT3-01J-1250A/1000V AC	3		1250	575000	3400000	33	103	175		

### Overall dimensions (mm)



### Characteristic curve



### Usage and Maintenance

1. Installation, the size of the screw into the column does not exceed 11mm (recommended 10mm)
2. When tightening the nut, keep the nut can't rotate;
3. It is recommended to use a stud installation, there is no recommended torque when the stud is screwed in, which is 1mm below the depth of the thread;
4. The nut tightening torque is 38 ± 1N.m.

# DNT3-O1N

## Fuse for Semiconductor Equipment Protection

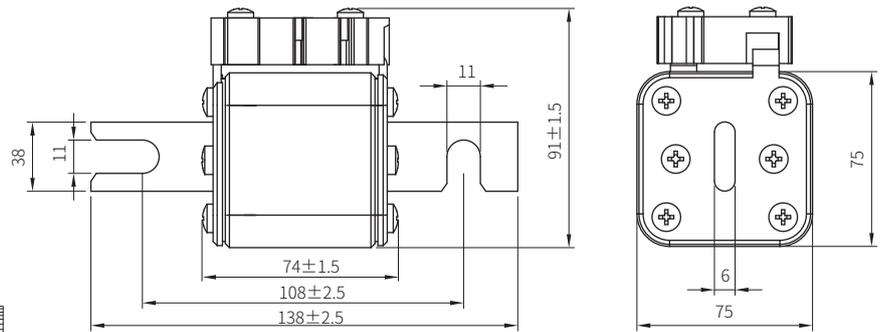


Rated Voltage	1000V AC
Rated Current	630-1250A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

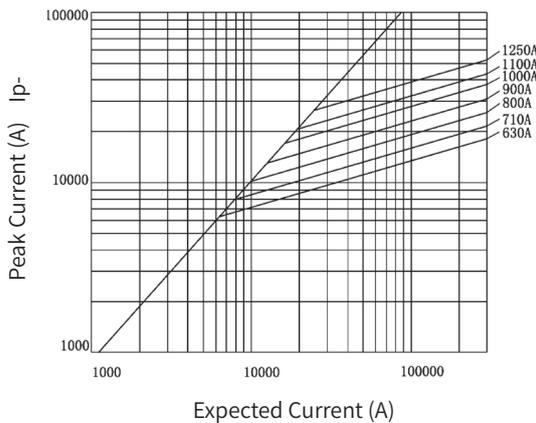
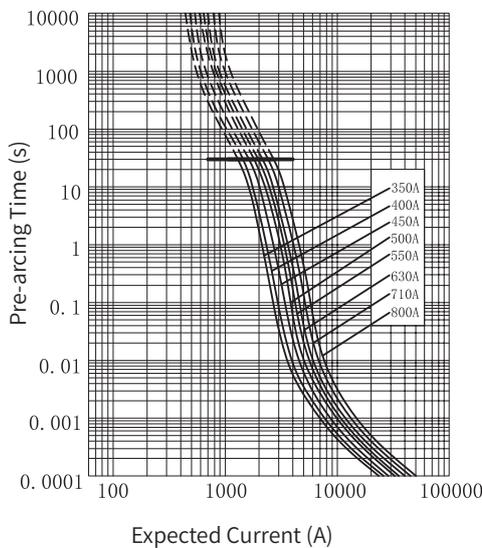
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT3-O1N-630A/1000V AC	3	1000	630	83500	490000	23	81	120	1230±3%	M10 21±1N.m
DNT3-O1N-710A/1000V AC	3		710	115000	700000	24	84	125		
DNT3-O1N-800A/1000V AC	3		800	170000	1050000	26	80	135		
DNT3-O1N-900A/1000V AC	3		900	250000	1500000	27	85	145		
DNT3-O1N-1000A/1000V AC	3		1000	340000	2050000	28.5	88.5	150		
DNT3-O1N-1100A/1000V AC	3		1100	460000	2750000	29	91	155		
DNT3-O1N-1250A/1000V AC	3		1250	575000	3400000	33	103	175		

### Overall dimensions (mm)



### Characteristic curve



# DNT3-O1R

## Fuse for Semiconductor Equipment Protection

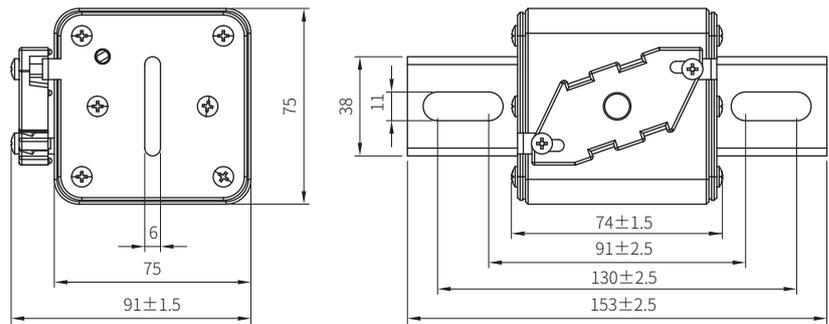


Rated Voltage	1000V AC
Rated Current	630-1250A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

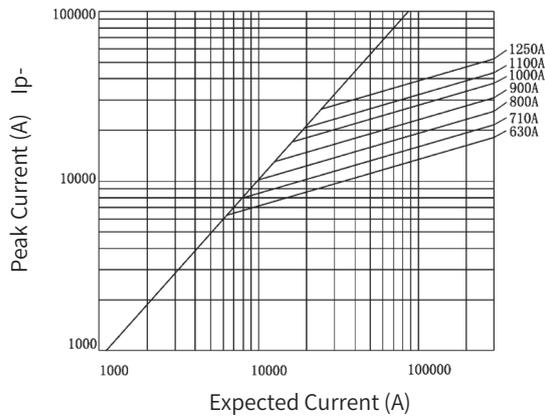
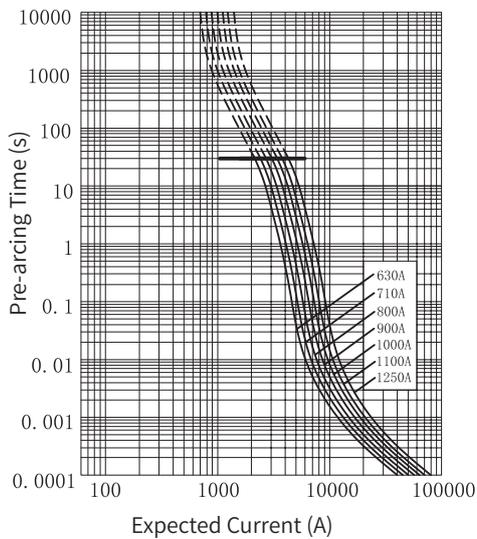
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT3-O1R-630A/1000V AC	3	1000	630	83500	490000	23	81	120	1250±3%	M10 21±1N.m
DNT3-O1R-710A/1000V AC	3		710	115000	700000	24	84	125		
DNT3-O1R-800A/1000V AC	3		800	170000	1050000	26	80	135		
DNT3-O1R-900A/1000V AC	3		900	250000	1500000	27	85	145		
DNT3-O1R-1000A/1000V AC	3		1000	340000	2050000	28.5	88.5	150		
DNT3-O1R-1100A/1000V AC	3		1100	460000	2750000	29	91	155		
DNT3-O1R-1250A/1000V AC	3		1250	575000	3400000	33	103	175		

### Overall dimensions (mm)



### Characteristic curve



# DNT3-O1L

## Fuse for Semiconductor Equipment Protection

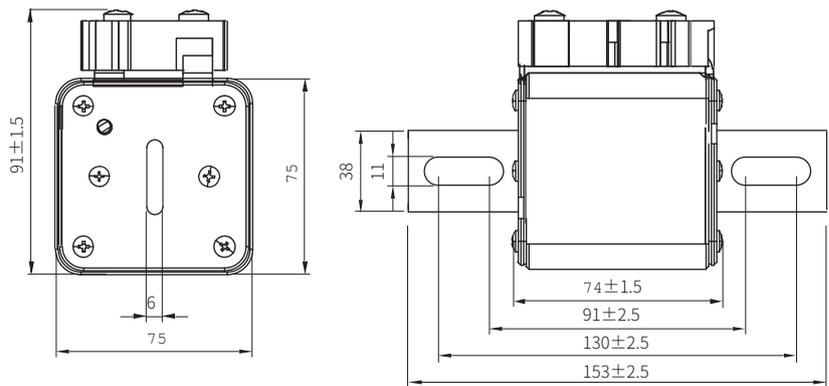


Rated Voltage	1000V AC
Rated Current	630-1250A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4、IEC 60269-4
Certificates	CCC CE TUV

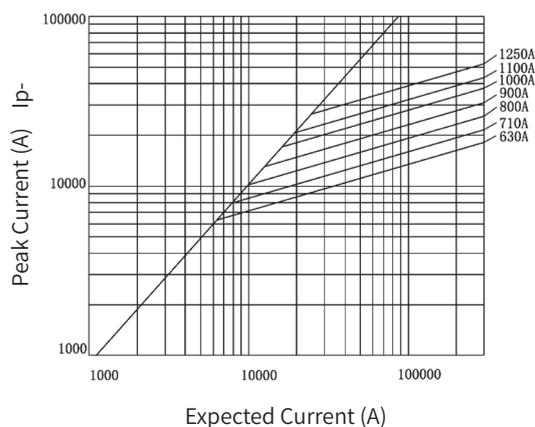
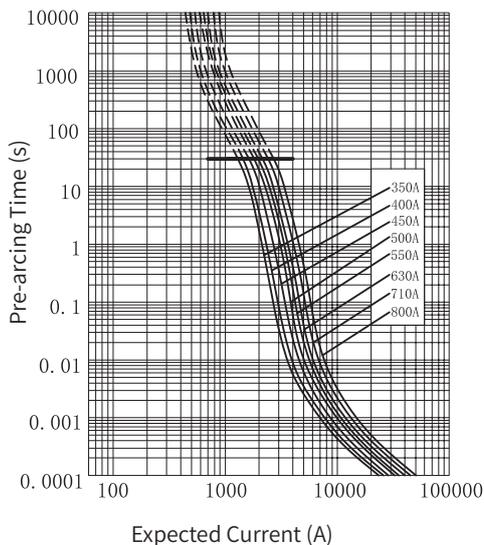
### Product parameter

Model No.	Size	Ue (V)	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT3-O1L-630A/1000V AC	3	1000	630	83500	490000	23	81	120	1250±3%	M10 21±1N.m
DNT3-O1L-710A/1000V AC	3		710	115000	700000	24	84	125		
DNT3-O1L-800A/1000V AC	3		800	170000	1050000	26	80	135		
DNT3-O1L-900A/1000V AC	3		900	250000	1500000	27	85	145		
DNT3-O1L-1000A/1000V AC	3		1000	340000	2050000	28.5	88.5	150		
DNT3-O1L-1100A/1000V AC	3		1100	460000	2750000	29	91	155		
DNT3-O1L-1250A/1000V AC	3		1250	575000	3400000	33	103	175		

### Overall dimensions (mm)



### Characteristic curve



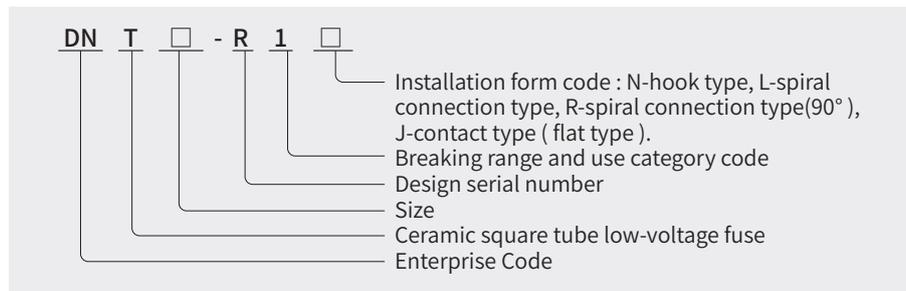
# DNT□-R1□ Fuse for Semiconductor Equipment Protection



## Product Description

This series of fuses for semiconductor equipment protection have the characteristics of strong current limiting ability and high breaking ability. It is suitable for rail transit, electric vehicle new energy power station, communication and power industry. It can be used as short-circuit current and overload current protection for power system, energy storage system, inverter, semiconductor equipment components and equipment.

## Model and meaning



## Normal working conditions

1. Ambient air temperature: the ambient air temperature does not exceed 40 °C, the average value measured in 24 hours does not exceed 35 °C, and the average value measured within one year is lower than this value. The minimum 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 the maximum temperature of 40 °C, and can have higher relative humidity at lower temperatures, for example, at 20 °C, the relative humidity can reach 90%. Under these conditions, moderate condensation may occasionally occur due to temperature changes.

## Ordering Instructions

When placing an order, the user shall provide the following information:  
The fuse for the protection of DNT series semiconductor equipment should explain the specification model, rated current, rated voltage and quantity.

For example:

DNT01-R1N-250A/1250V AC 10只

# DNT01-R1J

## Fuse for Semiconductor Equipment Protection

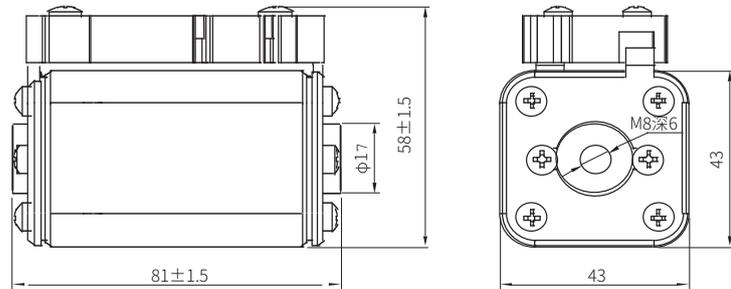


Rated Voltage	1250V AC
Rated Current	50~400A
Protection Category	aR
Breaking Capacity	100kA
Reference Standards	GB/T 13539.4 IEC 60269-4

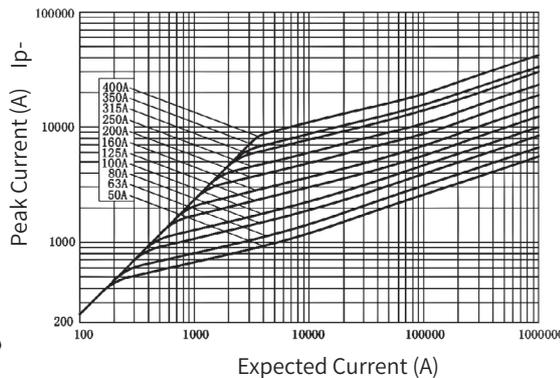
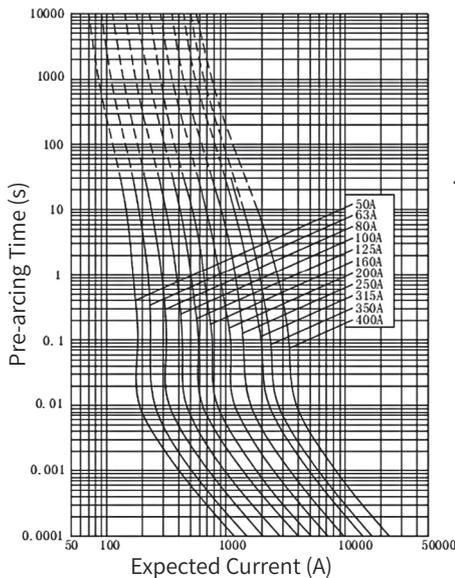
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT01-R1J-50A/1250V AC	01	50	135	1100	4	8	14	450±3%	M8 10±1N.m
DNT01-R1J-63A/1250V AC	01	63	215	1750	6	11	20		
DNT01-R1J-80A/1250V AC	01	80	420	3350	8	14	25		
DNT01-R1J-100A/1250V AC	01	100	750	5950	10	17	30		
DNT01-R1J-125A/1250V AC	01	125	1450	9600	12	21	38		
DNT01-R1J-160A/1250V AC	01	160	2690	17850	15	27	49		
DNT01-R1J-200A/1250V AC	01	200	5090	33700	17	31	57		
DNT01-R1J-250A/1250V AC	01	250	9000	59900	20	36	65		
DNT01-R1J-315A/1250V AC	01	315	18200	125000	22	40	74		
DNT01-R1J-350A/1250V AC	01	350	24200	161000	24	43	79		
DNT01-R1J-400A/1250V AC	01	400	33000	218000	26	48	88		

### Overall dimensions (mm)



### Characteristic curve



### Usage and Maintenance

1. Installation, the size of the screw into the column does not exceed 6mm (recommended 5mm)
2. When tightening the nut, keep the nut can't rotate;
3. It is recommended to use a stud installation, there is no recommended torque when the stud is screwed in, which is 1mm below the depth of the thread;
4. The nut tightening torque is 10±1N.m.

# DNT01-R1N

## Fuse for Semiconductor Equipment Protection

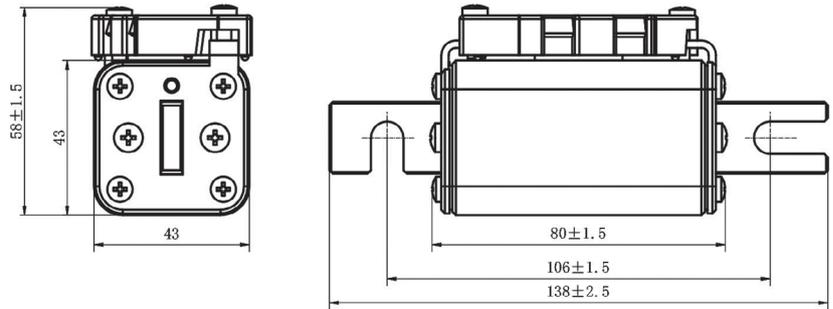


Rated Voltage	1250V AC
Rated Current	50~400A
Protection Category	aR
Breaking Capacity	100kA
Reference Standards	GB/T 13539.4 IEC 60269-4

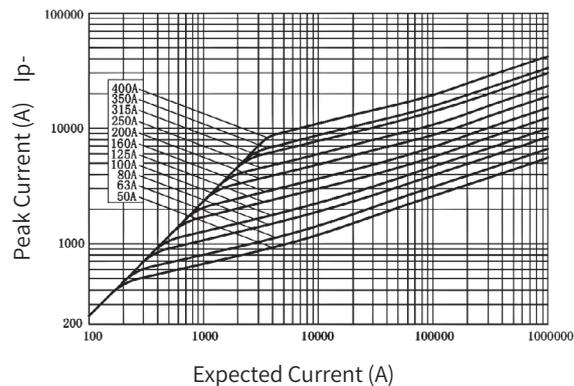
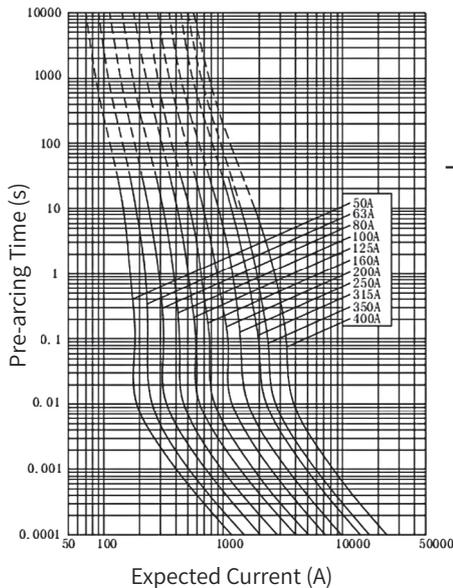
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT01-R1N-50A/1250V AC	01	50	135	1100	4	8	14	473±3%	M8 11±1N.m
DNT01-R1N-63A/1250V AC	01	63	215	1750	6	11	20		
DNT01-R1N-80A/1250V AC	01	80	420	3350	8	14	25		
DNT01-R1N-100A/1250V AC	01	100	750	5950	10	17	30		
DNT01-R1N-125A/1250V AC	01	125	1450	9600	12	21	38		
DNT01-R1N-160A/1250V AC	01	160	2690	17850	15	27	49		
DNT01-R1N-200A/1250V AC	01	200	5090	33700	17	31	57		
DNT01-R1N-250A/1250V AC	01	250	9000	59900	20	36	65		
DNT01-R1N-315A/1250V AC	01	315	18200	125000	22	40	74		
DNT01-R1N-350A/1250V AC	01	350	24200	161000	24	43	79		
DNT01-R1N-400A/1250V AC	01	400	33000	218000	26	48	88		

### Overall dimensions (mm)



### Characteristic curve



# DNT1-R1J

## Fuse for Semiconductor Equipment Protection

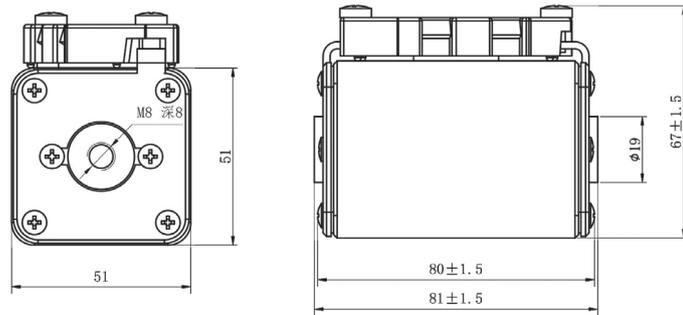


Rated Voltage	1250V AC
Rated Current	160~550A
Protection Category	aR
Breaking Capacity	100kA
Reference Standards	GB/T 13539.4 IEC 60269-4

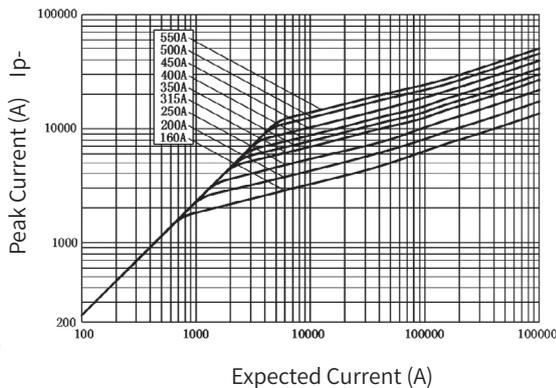
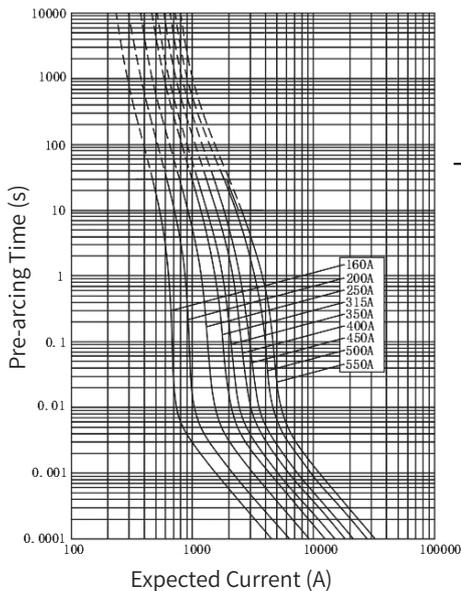
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1J-160A/1250V AC	1	160	5000	16500	16	28	52	673±3%	M8 10±1N.m
DNT1-R1J-200A/1250V AC	1	200	8500	27500	19	34	62		
DNT1-R1J-250A/1250V AC	1	250	16000	53000	22	39	72		
DNT1-R1J-315A/1250V AC	1	315	28500	93500	25	46	84		
DNT1-R1J-350A/1250V AC	1	350	38500	127500	27	49	89		
DNT1-R1J-400A/1250V AC	1	400	57000	188000	28.5	52	95		
DNT1-R1J-450A/1250V AC	1	450	78500	260000	31	56	103		
DNT1-R1J-500A/1250V AC	1	500	110000	363000	33	59	109		
DNT1-R1J-550A/1250V AC	1	550	145000	480000	35	63	116		

### Overall dimensions (mm)



### Characteristic curve



### Usage and Maintenance

1. Installation, the size of the screw into the column does not exceed 8mm (recommended 7mm)
2. When tightening the nut, keep the nut can't rotate;
3. It is recommended to use a stud installation, there is no recommended torque when the stud is screwed in, which is 1mm below the depth of the thread;
4. The nut tightening torque is 10±1N.m.

# DNT1-R1N

## Fuse for Semiconductor Equipment Protection

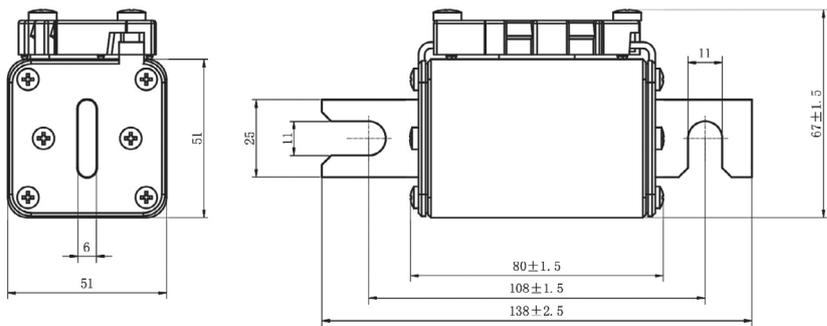


Rated Voltage	1250V AC
Rated Current	160~550A
Protection Category	aR
Breaking Capacity	100kA
Reference Standards	GB/T 13539.4 IEC 60269-4

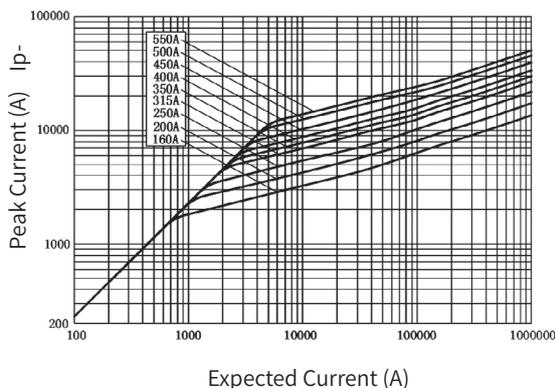
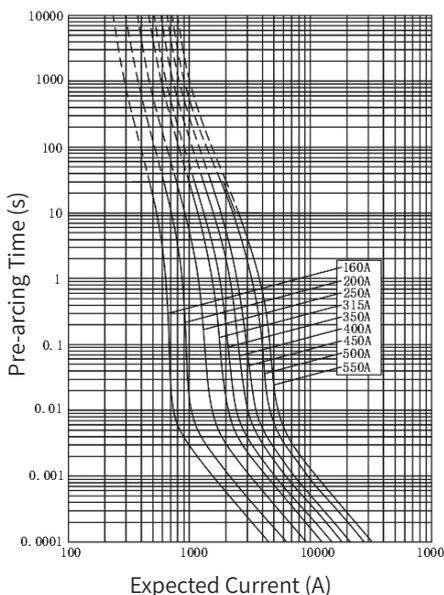
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1N-160A/1250V AC	1	160	5000	16500	16	28	52	691±3%	M10 21±1N.m
DNT1-R1N-200A/1250V AC	1	200	8500	27500	19	34	62		
DNT1-R1N-250A/1250V AC	1	250	16000	53000	22	39	72		
DNT1-R1N-315A/1250V AC	1	315	28500	93500	25	46	84		
DNT1-R1N-350A/1250V AC	1	350	38500	127500	27	49	89		
DNT1-R1N-400A/1250V AC	1	400	57000	188000	28.5	52	95		
DNT1-R1N-450A/1250V AC	1	450	78500	260000	31	56	103		
DNT1-R1N-500A/1250V AC	1	500	110000	363000	33	59	109		
DNT1-R1N-550A/1250V AC	1	550	145000	480000	35	63	116		

### Overall dimensions (mm)



### Characteristic curve



# DNT1-R1R

## Fuse for Semiconductor Equipment Protection

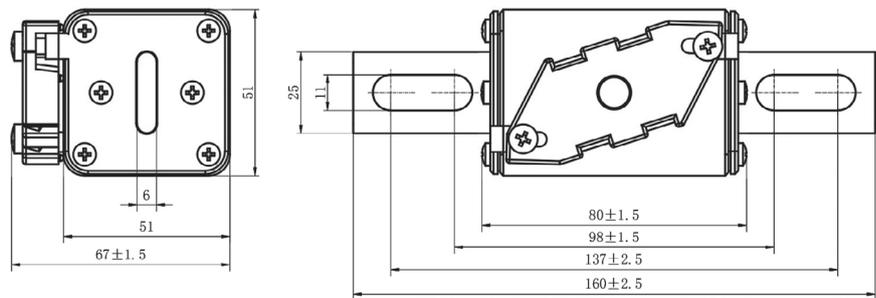


Rated Voltage	1250V AC
Rated Current	160~550A
Protection Category	aR
Breaking Capacity	100kA
Reference Standards	GB/T 13539.4 IEC 60269-4

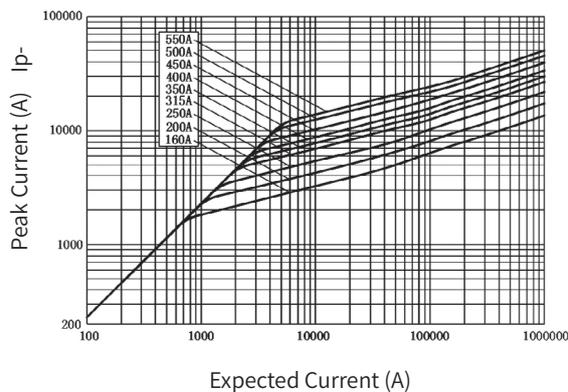
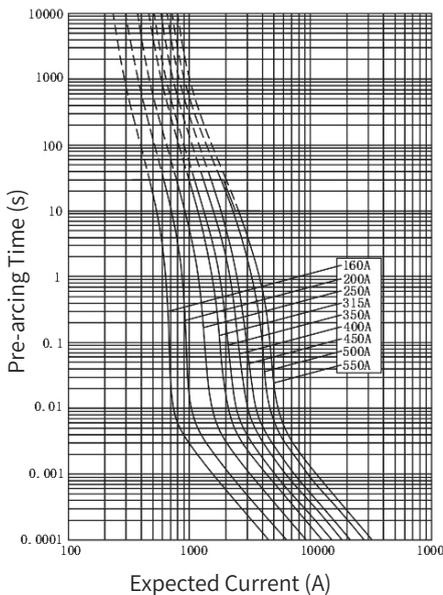
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1R-160A/1250V AC	1	160	5000	16500	16	28	52	711±3%	M10 21±1N.m
DNT1-R1R-200A/1250V AC	1	200	8500	27500	19	34	62		
DNT1-R1R-250A/1250V AC	1	250	16000	53000	22	39	72		
DNT1-R1R-315A/1250V AC	1	315	28500	93500	25	46	84		
DNT1-R1R-350A/1250V AC	1	350	38500	127500	27	49	89		
DNT1-R1R-400A/1250V AC	1	400	57000	188000	28.5	52	95		
DNT1-R1R-450A/1250V AC	1	450	78500	260000	31	56	103		
DNT1-R1R-500A/1250V AC	1	500	110000	363000	33	59	109		
DNT1-R1R-550A/1250V AC	1	550	145000	480000	35	63	116		

### Overall dimensions (mm)



### Characteristic curve



# DNT1-R1L

## Fuse for Semiconductor Equipment Protection

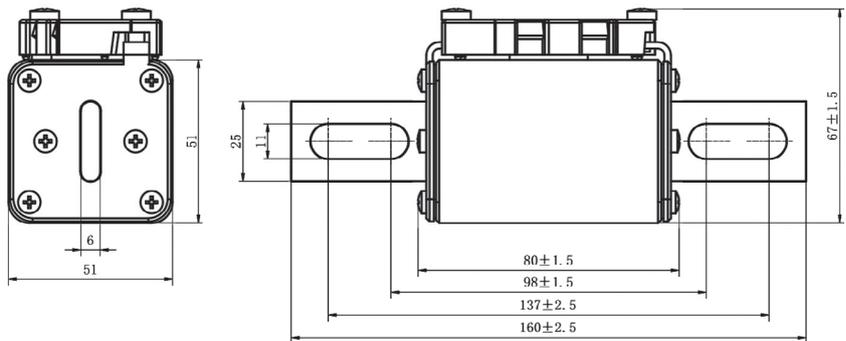


Rated Voltage	1250V AC
Rated Current	160~550A
Protection Category	aR
Breaking Capacity	100kA
Reference Standards	GB/T 13539.4 IEC 60269-4

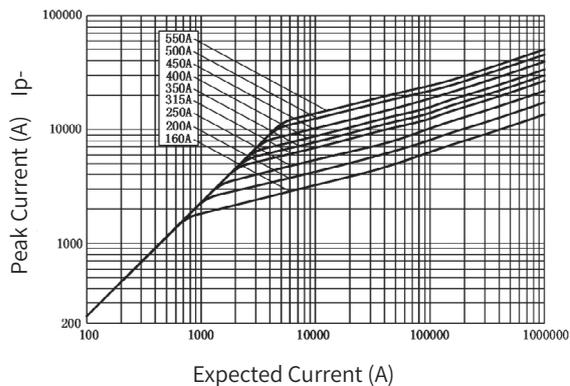
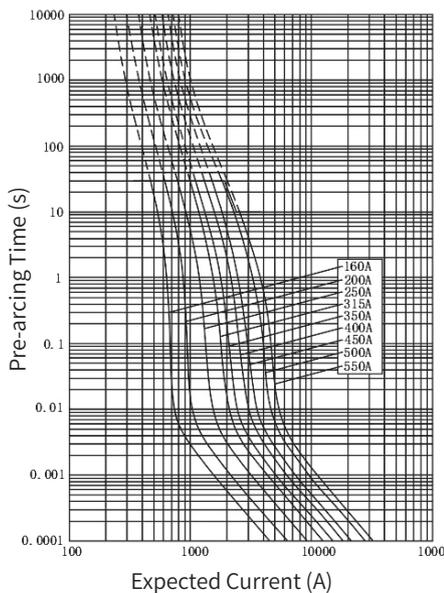
### Product parameter

Model No.	Size	I <sub>n</sub> (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5I <sub>n</sub> Power dissipation(W)	0.8I <sub>n</sub> Power dissipation(W)	1.0I <sub>n</sub> Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1L-160A/1250V AC	1	160	5000	16500	16	28	52	711±3%	M10 21±1N.m
DNT1-R1L-200A/1250V AC	1	200	8500	27500	19	34	62		
DNT1-R1L-250A/1250V AC	1	250	16000	53000	22	39	72		
DNT1-R1L-315A/1250V AC	1	315	28500	93500	25	46	84		
DNT1-R1L-350A/1250V AC	1	350	38500	127500	27	49	89		
DNT1-R1L-400A/1250V AC	1	400	57000	188000	28.5	52	95		
DNT1-R1L-450A/1250V AC	1	450	78500	260000	31	56	103		
DNT1-R1L-500A/1250V AC	1	500	110000	363000	33	59	109		
DNT1-R1L-550A/1250V AC	1	550	145000	480000	35	63	116		

### Overall dimensions (mm)



### Characteristic curve



# DNT2-R1J

## Fuse for Semiconductor Equipment Protection

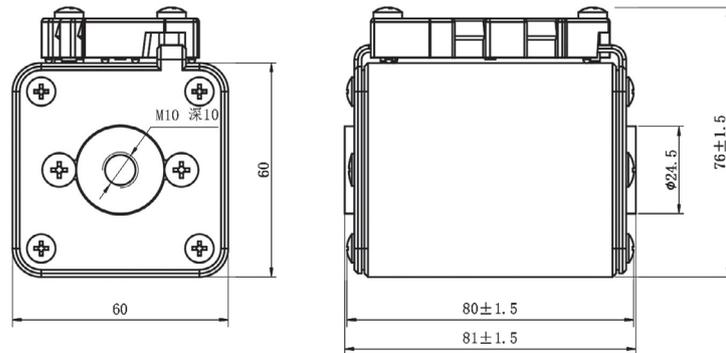


Rated Voltage	1250V AC
Rated Current	250~800A
Protection Category	aR
Breaking Capacity	100kA
Reference Standards	GB/T 13539.4 IEC 60269-4

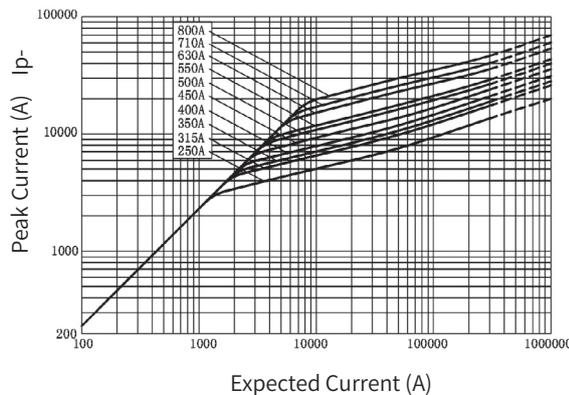
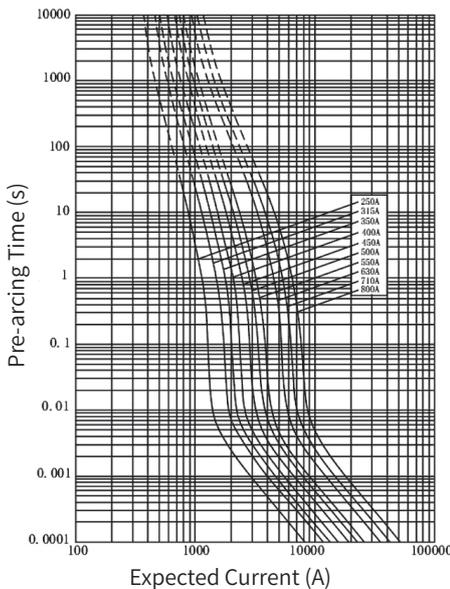
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1J-250A/1250V AC	2	250	11000	52000	24	44	80	910±3%	M10 21±1N.m
DNT2-R1J-315A/1250V AC	2	315	20000	94000	29	52	96		
DNT2-R1J-350A/1250V AC	2	350	26000	122000	31	56	104		
DNT2-R1J-400A/1250V AC	2	400	37000	174000	34	61	113		
DNT2-R1J-450A/1250V AC	2	450	53000	248000	36	66	122		
DNT2-R1J-500A/1250V AC	2	500	70000	328000	39	70	130		
DNT2-R1J-550A/1250V AC	2	550	90000	422000	41	74	137		
DNT2-R1J-630A/1250V AC	2	630	128000	600000	46	83	152		
DNT2-R1J-710A/1250V AC	2	710	164000	693000	48	87	161		
DNT2-R1J-800A/1250V AC	2	800	269000	1260000	54	97	178		

### Overall dimensions (mm)



### Characteristic curve



### Usage and Maintenance

1. When installing, the insertion depth of the studs should not exceed 10mm (recommended 9mm);
2. When tightening the nuts, ensure that the studs do not rotate;
3. It is recommended to use stud installation. There is no recommended torque for stud insertion, but the insertion depth should be less than the thread depth by 1mm;
4. The tightening torque for the nuts should be 21±1 N.m.

# DNT2-R1N

## Fuse for Semiconductor Equipment Protection

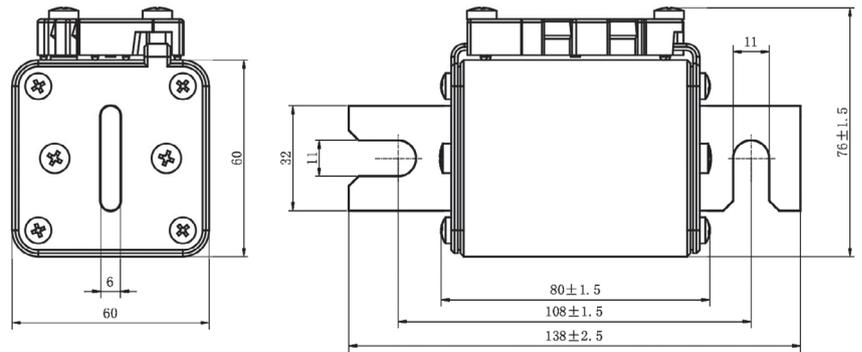


Rated Voltage	1250V AC
Rated Current	250~800A
Protection Category	aR
Breaking Capacity	100kA
Reference Standards	GB/T 13539.4 IEC 60269-4

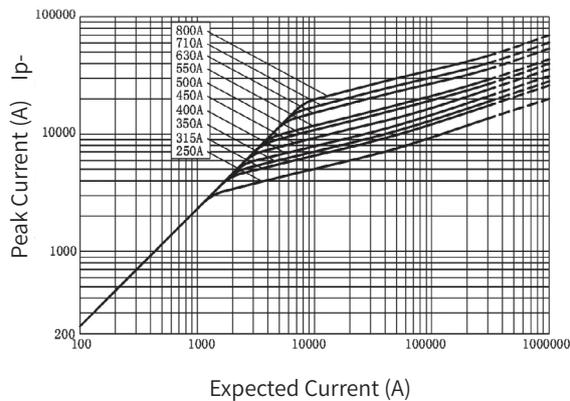
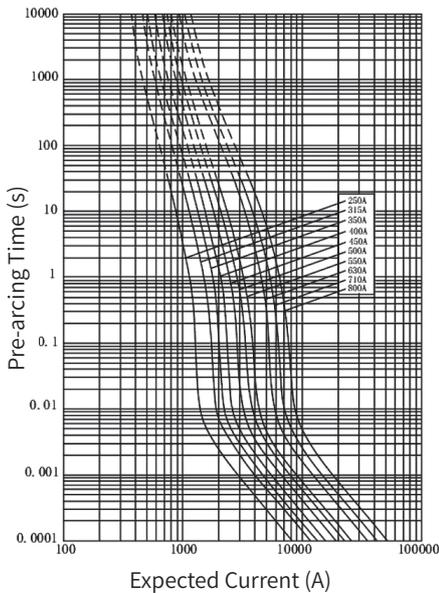
### Product parameter

Model No.	Size	In (A)	I²t (A²S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1N-250A/1250V AC	2	250	11000	52000	24	44	80	930±3%	M10 21±1N.m
DNT2-R1N-315A/1250V AC	2	315	20000	94000	29	52	96		
DNT2-R1N-350A/1250V AC	2	350	26000	122000	31	56	104		
DNT2-R1N-400A/1250V AC	2	400	37000	174000	34	61	113		
DNT2-R1N-450A/1250V AC	2	450	53000	248000	36	66	122		
DNT2-R1N-500A/1250V AC	2	500	70000	328000	39	70	130		
DNT2-R1N-550A/1250V AC	2	550	90000	422000	41	74	137		
DNT2-R1N-630A/1250V AC	2	630	128000	600000	46	83	152		
DNT2-R1N-710A/1250V AC	2	710	164000	693000	48	87	161		
DNT2-R1N-800A/1250V AC	2	800	269000	1260000	54	97	178		

### Overall dimensions (mm)



### Characteristic curve



# DNT2-R1R

## Fuse for Semiconductor Equipment Protection

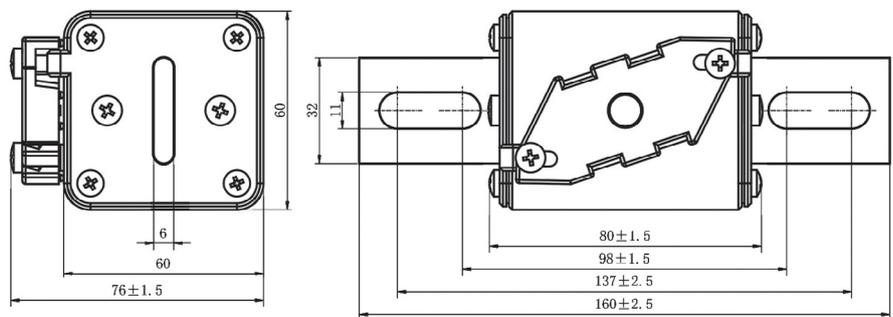


Rated Voltage	1250V AC
Rated Current	250~800A
Protection Category	aR
Breaking Capacity	100kA
Reference Standards	GB/T 13539.4 IEC 60269-4

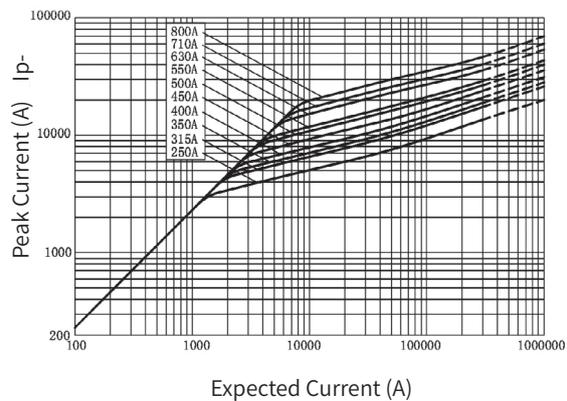
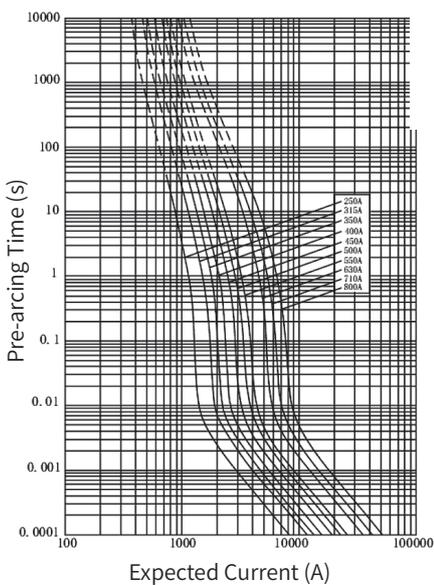
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1R-250A/1250V AC	2	250	11000	52000	24	44	80	960±3%	M10 21±1N.m
DNT2-R1R-315A/1250V AC	2	315	20000	94000	29	52	96		
DNT2-R1R-350A/1250V AC	2	350	26000	122000	31	56	104		
DNT2-R1R-400A/1250V AC	2	400	37000	174000	34	61	113		
DNT2-R1R-450A/1250V AC	2	450	53000	248000	36	66	122		
DNT2-R1R-500A/1250V AC	2	500	70000	328000	39	70	130		
DNT2-R1R-550A/1250V AC	2	550	90000	422000	41	74	137		
DNT2-R1R-630A/1250V AC	2	630	128000	600000	46	83	152		
DNT2-R1R-710A/1250V AC	2	710	164000	693000	48	87	161		
DNT2-R1R-800A/1250V AC	2	800	269000	1260000	54	97	178		

### Overall dimensions (mm)



### Characteristic curve



# DNT2-R1L Fuse for Semiconductor Equipment Protection

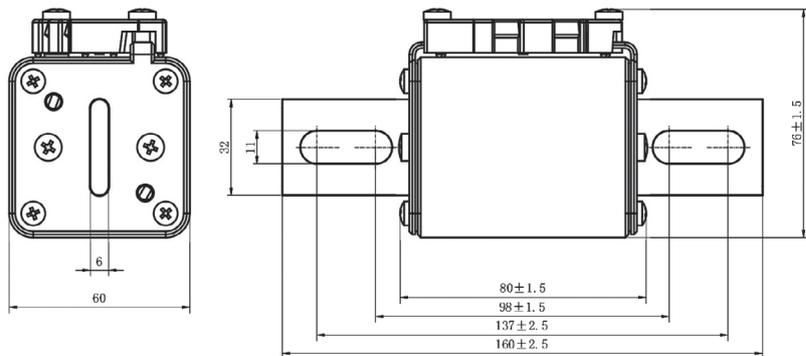


Rated Voltage	1250V AC
Rated Current	250~800A
Protection Category	aR
Breaking Capacity	100kA
Reference Standards	GB/T 13539.4 IEC 60269-4

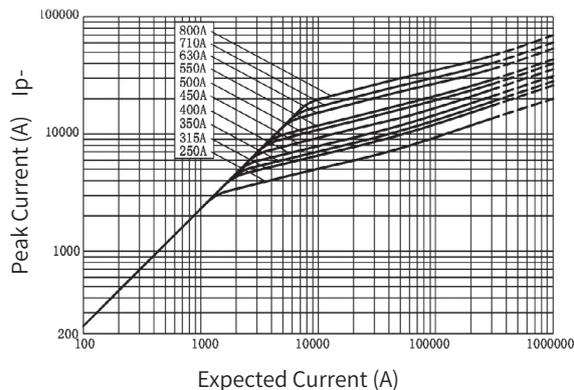
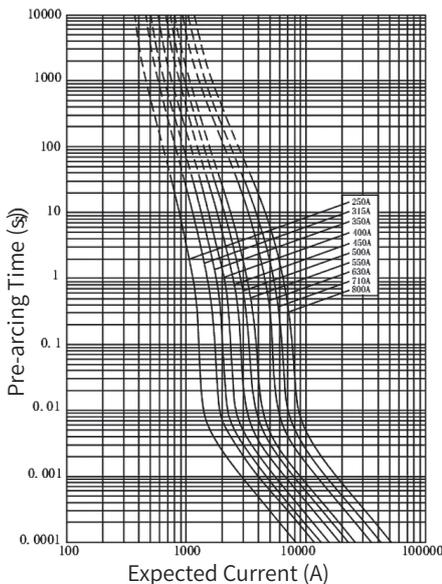
## Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1L-250A/1250V AC	2	250	11000	52000	24	44	80	960±3%	M10 21±1N.m
DNT2-R1L-315A/1250V AC	2	315	20000	94000	29	52	96		
DNT2-R1L-350A/1250V AC	2	350	26000	122000	31	56	104		
DNT2-R1L-400A/1250V AC	2	400	37000	174000	34	61	113		
DNT2-R1L-450A/1250V AC	2	450	53000	248000	36	66	122		
DNT2-R1L-500A/1250V AC	2	500	70000	328000	39	70	130		
DNT2-R1L-550A/1250V AC	2	550	90000	422000	41	74	137		
DNT2-R1L-630A/1250V AC	2	630	128000	600000	46	83	152		
DNT2-R1L-710A/1250V AC	2	710	164000	693000	48	87	161		
DNT2-R1L-800A/1250V AC	2	800	269000	1260000	54	97	178		

## Overall dimensions (mm)



## Characteristic curve



# DNT3-R1J

## Fuse for Semiconductor Equipment Protection

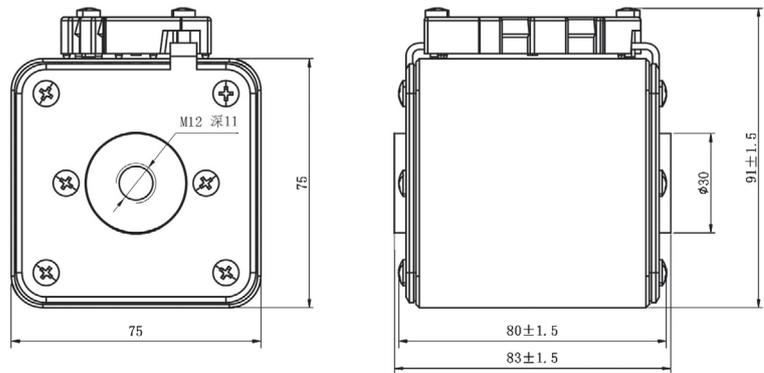


Rated Voltage	1250V AC
Rated Current	315~1100A
Protection Category	aR
Breaking Capacity	100kA
Reference Standards	GB/T 13539.4 IEC 60269-4

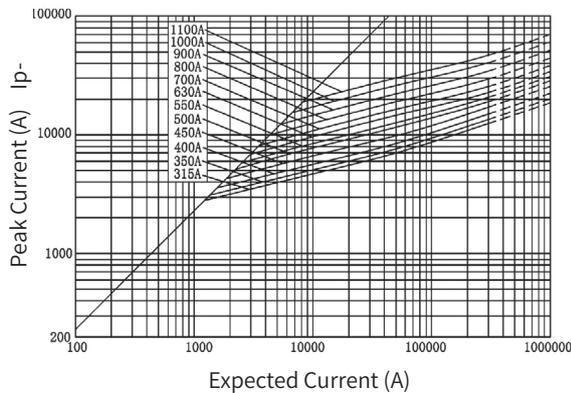
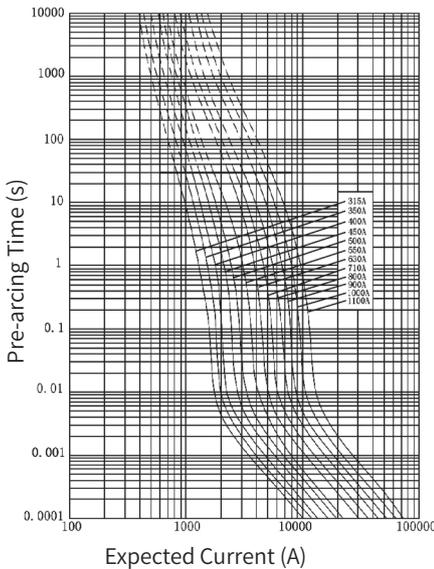
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1J-315A/1250V AC	3	315	13500	41100	29	53	97	1275±3%	M12 38±1N.m
DNT3-R1J-350A/1250V AC	3	350	17800	54100	32	58	107		
DNT3-R1J-400A/1250V AC	3	400	24600	74800	36	65	120		
DNT3-R1J-450A/1250V AC	3	450	34500	105000	39	70	129		
DNT3-R1J-500A/1250V AC	3	500	46100	140000	41	75	136		
DNT3-R1J-550A/1250V AC	3	550	62300	190000	44	79	145		
DNT3-R1J-630A/1250V AC	3	630	91100	277000	48	86	159		
DNT3-R1J-700A/1250V AC	3	700	130000	395000	50	91	165		
DNT3-R1J-800A/1250V AC	3	800	195000	593000	54	99	181		
DNT3-R1J-900A/1250V AC	3	900	285000	867000	57	105	191		
DNT3-R1J-1000A/1250V AC	3	1000	393000	1200000	61	112	204		
DNT3-R1J-1100A/1250V AC	3	1100	549000	1670000	63	116	213		

### Overall dimensions (mm)



### Characteristic curve



### Usage and Maintenance

1. When installing, the insertion depth of the studs should not exceed 11mm (recommended 10mm);
2. When tightening the nuts, ensure that the studs do not rotate;
3. It is recommended to use stud installation. There is no recommended torque for stud insertion, but the insertion depth should be less than the thread depth by 1mm;
4. The tightening torque for the nuts should be 38±1N.m.

# DNT3-R1N

## Fuse for Semiconductor Equipment Protection

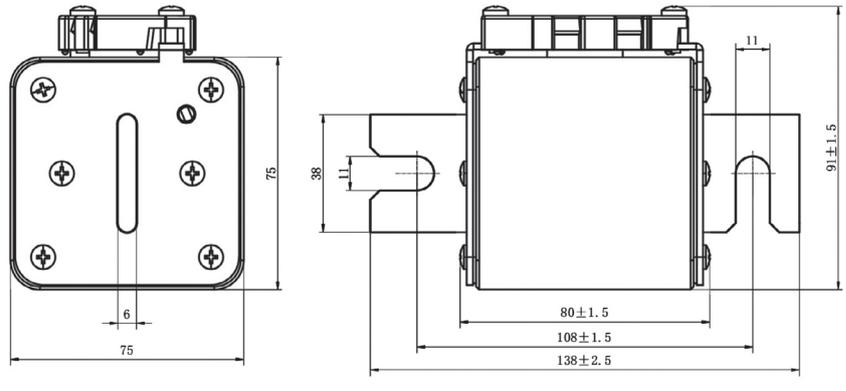


Rated Voltage	1250V AC
Rated Current	315~1100A
Protection Category	aR
Breaking Capacity	100kA
Reference Standards	GB/T 13539.4 IEC 60269-4

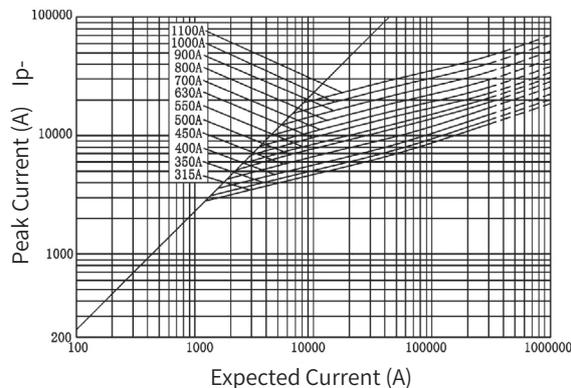
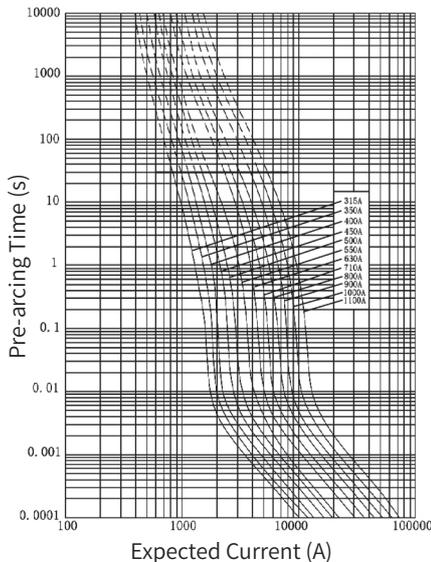
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1N-315A/1250V AC	3	315	13500	41100	29	53	97	1320±3%	M10 21±1N.m
DNT3-R1N-350A/1250V AC	3	350	17800	54100	32	58	107		
DNT3-R1N-400A/1250V AC	3	400	24600	74800	36	65	120		
DNT3-R1N-450A/1250V AC	3	450	34500	105000	39	70	129		
DNT3-R1N-500A/1250V AC	3	500	46100	140000	41	75	136		
DNT3-R1N-550A/1250V AC	3	550	62300	190000	44	79	145		
DNT3-R1N-630A/1250V AC	3	630	91100	277000	48	86	159		
DNT3-R1N-700A/1250V AC	3	700	130000	395000	50	91	165		
DNT3-R1N-800A/1250V AC	3	800	195000	593000	54	99	181		
DNT3-R1N-900A/1250V AC	3	900	285000	867000	57	105	191		
DNT3-R1N-1000A/1250V AC	3	1000	393000	1200000	61	112	204		
DNT3-R1N-1100A/1250V AC	3	1100	549000	1670000	63	116	210		

### Overall dimensions (mm)



### Characteristic curve



# DNT3-R1R

## Fuse for Semiconductor Equipment Protection

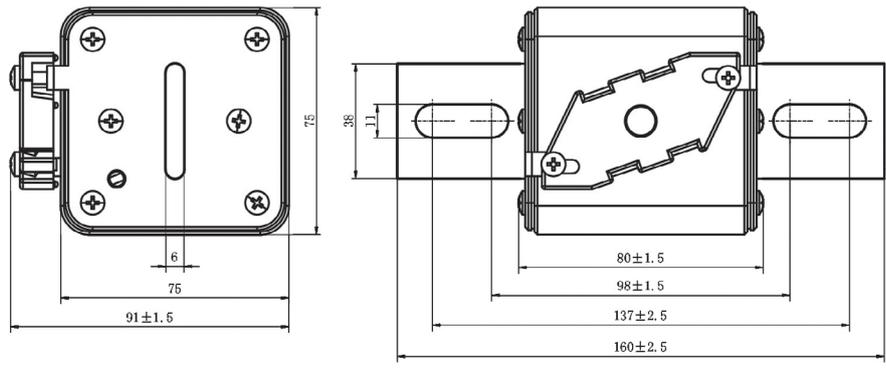


Rated Voltage	1250V AC
Rated Current	315~1100A
Protection Category	aR
Breaking Capacity	100kA
Reference Standards	GB/T 13539.4 IEC 60269-4

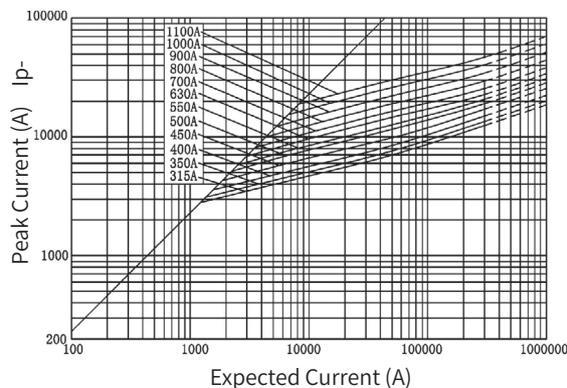
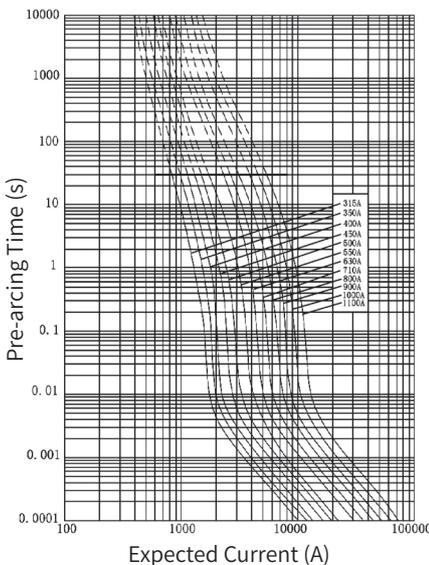
### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1R-315A/1250V AC	3	315	13500	41100	29	53	97	1340±3%	M10 21±1N.m
DNT3-R1R-350A/1250V AC	3	350	17800	54100	32	58	107		
DNT3-R1R-400A/1250V AC	3	400	24600	74800	36	65	120		
DNT3-R1R-450A/1250V AC	3	450	34500	105000	39	70	129		
DNT3-R1R-500A/1250V AC	3	500	46100	140000	41	75	136		
DNT3-R1R-550A/1250V AC	3	550	62300	190000	44	79	145		
DNT3-R1R-630A/1250V AC	3	630	91100	277000	48	86	159		
DNT3-R1R-700A/1250V AC	3	700	130000	395000	50	91	165		
DNT3-R1R-800A/1250V AC	3	800	195000	593000	54	99	181		
DNT3-R1R-900A/1250V AC	3	900	285000	867000	57	105	191		
DNT3-R1R-1000A/1250V AC	3	1000	393000	1200000	61	112	204		
DNT3-R1R-1100A/1250V AC	3	1100	549000	1670000	63	116	213		

### Overall dimensions (mm)



### Characteristic curve



# DNT3-R1L

## Fuse for Semiconductor Equipment Protection

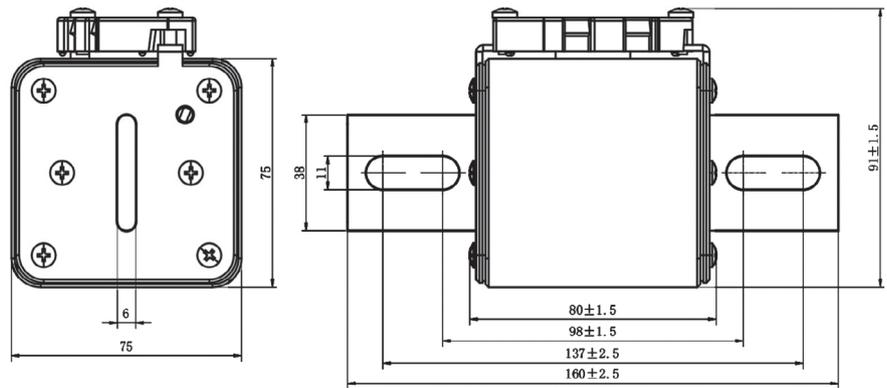


Rated Voltage	1250V AC
Rated Current	315~1100A
Protection Category	aR
Breaking Capacity	100kA
Reference Standards	GB/T 13539.4 IEC 60269-4

### Product parameter

Model No.	Size	In (A)	I <sup>2</sup> t (A <sup>2</sup> S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1L-315A/1250V AC	3	315	13500	41100	29	53	97	1340±3%	M10 21±1N.m
DNT3-R1L-350A/1250V AC	3	350	17800	54100	32	58	107		
DNT3-R1L-400A/1250V AC	3	400	24600	74800	36	65	120		
DNT3-R1L-450A/1250V AC	3	450	34500	105000	39	70	129		
DNT3-R1L-500A/1250V AC	3	500	46100	140000	41	75	136		
DNT3-R1L-550A/1250V AC	3	550	62300	190000	44	79	145		
DNT3-R1L-630A/1250V AC	3	630	91100	277000	48	86	159		
DNT3-R1L-700A/1250V AC	3	700	130000	395000	50	91	165		
DNT3-R1L-800A/1250V AC	3	800	195000	593000	54	99	181		
DNT3-R1L-900A/1250V AC	3	900	285000	867000	57	105	191		
DNT3-R1L-1000A/1250V AC	3	1000	393000	1200000	61	112	204		
DNT3-R1L-1100A/1250V AC	3	1100	549000	1670000	63	116	213		

### Overall dimensions (mm)



### Characteristic curve

