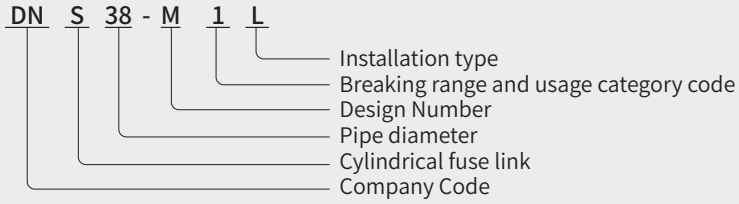
DNS
Fuse links for semiconductor equipment protection

Product description

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

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

Model and meaning



Normal working conditions

1.Ambient air temperature: The ambient air temperature shall not exceed 40°C, the average value measured over 24 hours shall not exceed 35°C, and the average value measured within one year shall be lower than this value. The lowest ambient air temperature is -5°C.

2.Altitude: The altitude of the installation site shall not exceed 2000m.

3.Atmospheric conditions: The air is clean, and its relative humidity does not exceed 50% at a maximum temperature of 40°C. It can have a higher relative humidity at lower temperatures, for example, at 20°C, the relative humidity can reach 90%. Under these conditions, moderate condensation may occur occasionally due to temperature changes.

Fuse links for semiconductor equipment protection

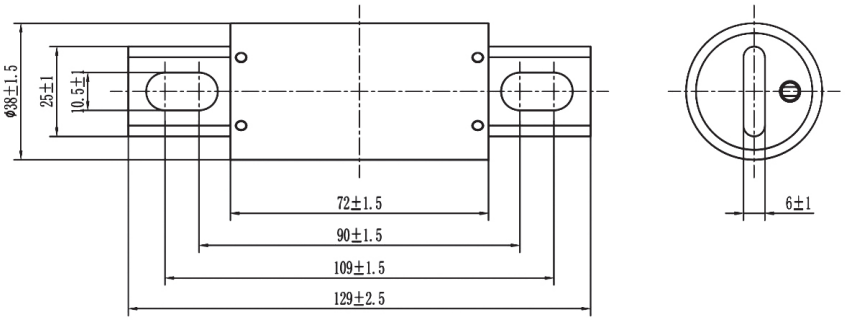
DNS38-M1L
Fuse links for semiconductor equipment protection

Rated voltage	800V DC
Rated current	125~400A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

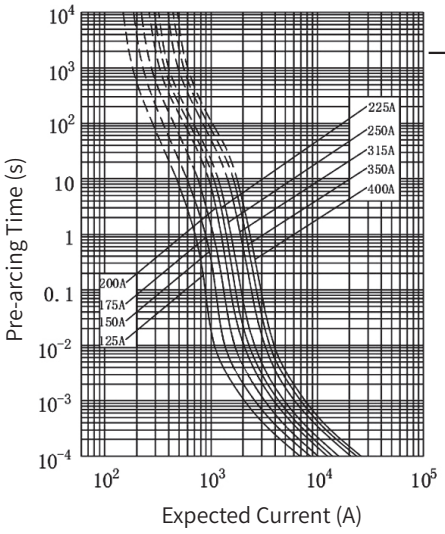
Product Parameters

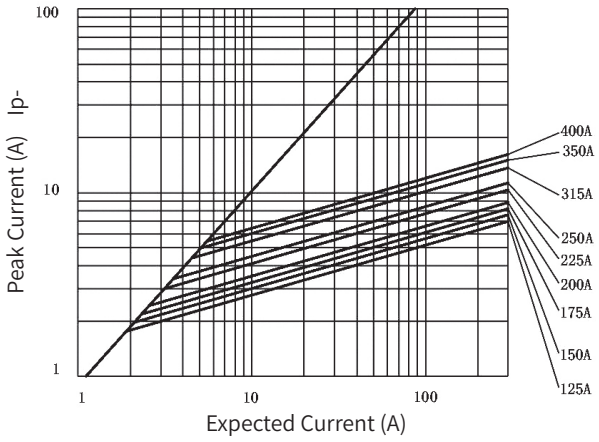
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNS38-M1L-125A/800V DC	ϕ38	125A	2100	6800	4.5	15	28	252±3%	M10 21±1N.m
DNS38-M1L-150A/800V DC	ϕ38	150A	3110	9900	5	17	32		
DNS38-M1L-175A/800V DC	ϕ38	175A	4350	15900	6	20	36		
DNS38-M1L-200A/800V DC	ϕ38	200A	6100	20500	7	23	42		
DNS38-M1L-225A/800V DC	ϕ38	225A	8500	29500	7.2	24	44		
DNS38-M1L-250A/800V DC	ϕ38	250A	11900	39900	7.5	26	47		
DNS38-M1L-315A/800V DC	ϕ38	315A	17500	58800	10	31	58		
DNS38-M1L-350A/800V DC	ϕ38	350A	23700	86500	11	35	64		
DNS38-M1L-400A/800V DC	ϕ38	400A	32000	10500	14	42	77		

Overall dimensions (mm)



Characteristic curve





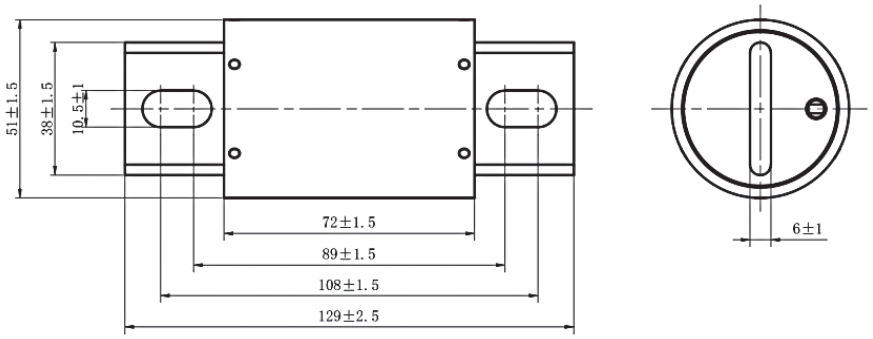
DNS51-M1L
Fuse links for semiconductor equipment protection

Rated voltage	800V DC
Rated current	225~600A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

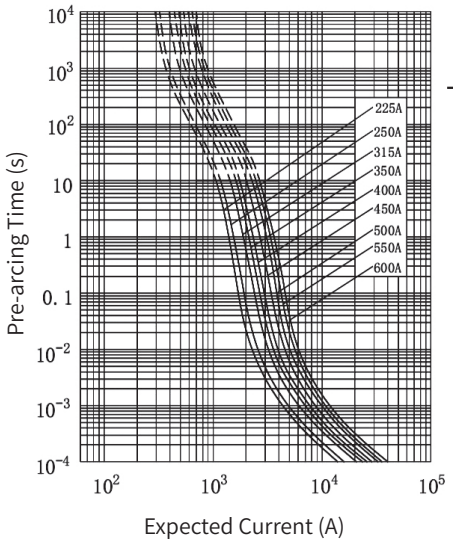
Product Parameters

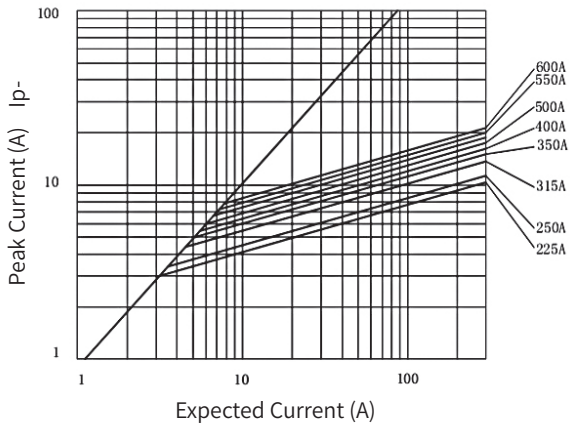
Model No.	Size	In (A)	I²t (A²S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNS51-M1L-225A/800V DC	ϕ51	225A	8500	29500	7	24	44	471±3%	M10 21±1N.m
DNS51-M1L-250A/800V DC	ϕ51	250A	11900	39900	7.8	25.5	47		
DNS51-M1L-315A/800V DC	ϕ51	315A	19000	67500	9.5	32	58		
DNS51-M1L-350A/800V DC	ϕ51	350A	23700	86500	11.5	35	64		
DNS51-M1L-400A/800V DC	ϕ51	400A	32000	105000	14	42	77		
DNS51-M1L-450A/800V DC	ϕ51	450A	41500	132000	18	52	95		
DNS51-M1L-500A/800V DC	ϕ51	500A	56000	168000	20	57	105		
DNS51-M1L-550A/800V DC	ϕ51	550A	65300	196000	22.5	62	113		
DNS51-M1L-600A/800V DC	ϕ51	600A	76600	249000	25	67	122		

Overall dimensions (mm)



Characteristic curve





半导体设备保护用
熔断体

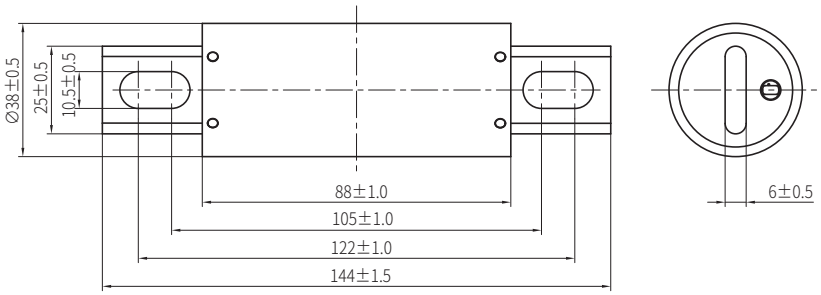
DNS38-O1L
Fuse for Semiconductor Equipment Protection

Rated voltage	1000V DC
Rated current	125~350A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

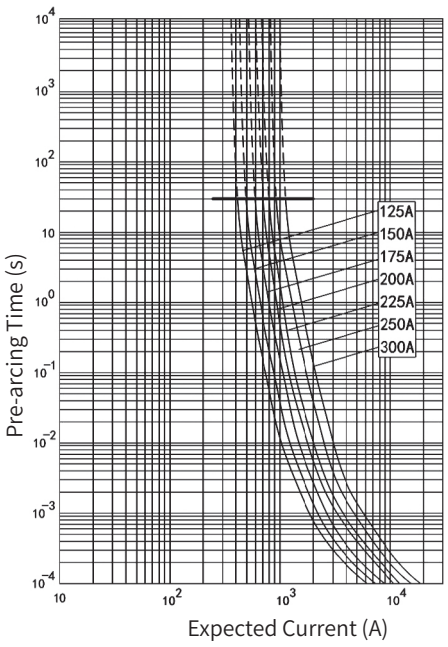
Product parameter

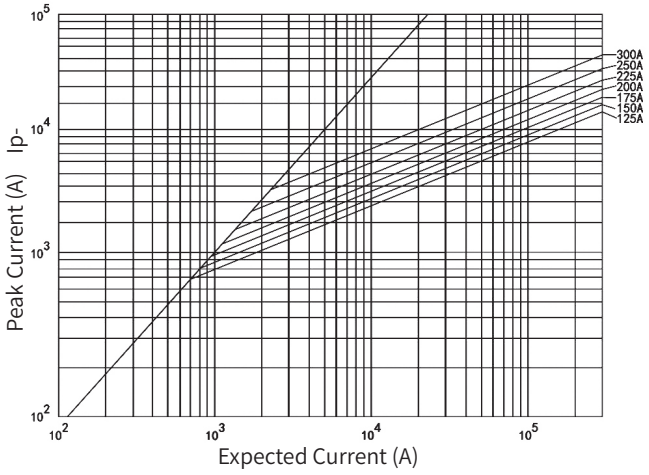
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNS38-O1L-125A/1000V DC	ϕ38	125	4100	23500	4.5	14	25	289±3%	M10 21±1N.m
DNS38-O1L-150A/1000V DC	ϕ38	150	5500	28500	6	18	33		
DNS38-O1L-175A/1000V DC	ϕ38	175	10100	43500	6.5	19	35		
DNS38-O1L-200A/1000V DC	ϕ38	200	17100	63500	7	21	39		
DNS38-O1L-225A/1000V DC	ϕ38	225	21200	125000	7.2	24	44		
DNS38-O1L-250A/1000V DC	ϕ38	250	24300	137000	7.5	26	47		
DNS38-O1L-300A/1000V DC	ϕ38	300	26300	145000	11	32	54		
DNS38-O1L-350A/1000V DC	ϕ38	350	42000	212000	12	36	61		

Overall dimensions (mm)



Characteristic curve





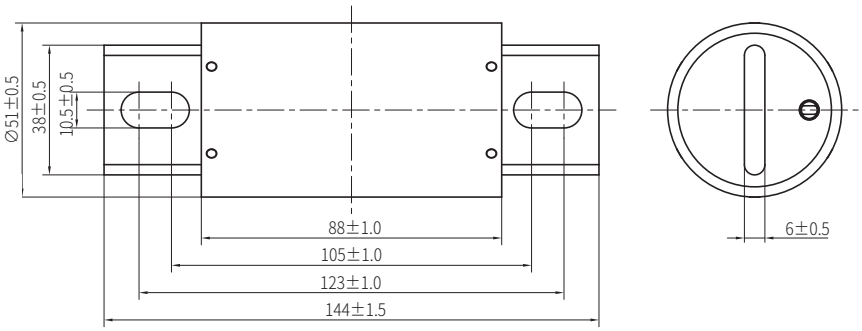
DNS51-O1L
Fuse for Semiconductor Equipment Protection

Rated voltage	1000V DC
Rated current	200~500A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

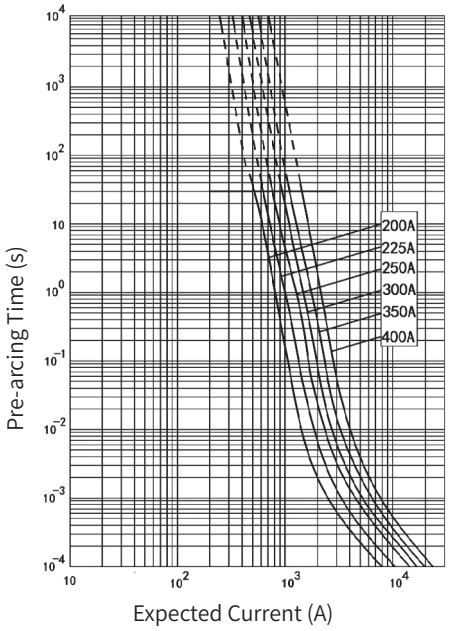
Product parameter

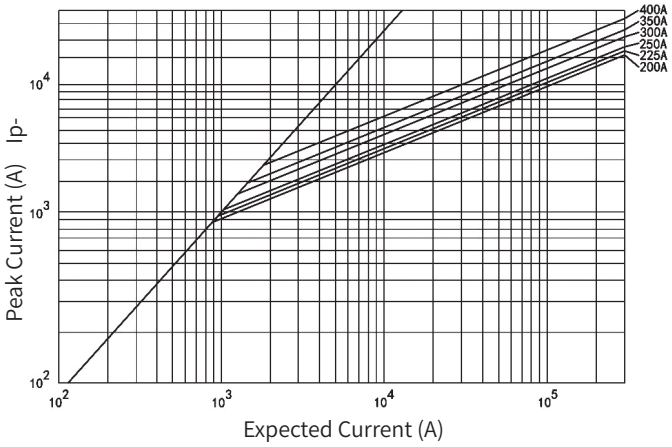
Model No.	Size	In (A)	I²t (A²S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNS51-O1L-200A/1000V DC	ϕ51	200	9300	41000	7	23	42	520±3%	M10 21±1N.m
DNS51-O1L-225A/1000V DC	ϕ51	225	16100	61500	7	24	44		
DNS51-O1L-250A/1000V DC	ϕ51	250	20100	107000	8	26	47		
DNS51-O1L-300A/1000V DC	ϕ51	300	25300	115000	10	31	55		
DNS51-O1L-350A/1000V DC	ϕ51	350	27100	165000	12	35	61		
DNS51-O1L-400A/1000V DC	ϕ51	400	43000	232000	13	38	66		
DNS51-O1L-450A/1000V DC	ϕ51	450	72000	323000	15	43	74		
DNS51-O1L-500A/1000V DC	ϕ51	500	96000	345000	17	48	83		

Overall dimensions (mm)



Characteristic curve





DNT000
Fuse for Semiconductor Equipment Protection

Product Profile

This series of fuse links for semiconductor equipment protection has the characteristics of small size, high breaking capacity, tolerance to current shock, and tolerance to high-intensity mechanical vibration shock.
Suitable for rail transportation, electric vehicle new energy power stations, communications, and power industries. It can be used as short-circuit current and overload current protection for power systems, energy storage systems, inverters, semiconductor equipment components and equipment.

Model and meaning

DN T 000 - M - 1 M

- M: Installation type code: M-stool foot type
- 1: Breaking range and usage category code
- M: Design Number
- 000: Size
- T: Ceramic square tube low voltage fuse link
- DN: Company Code

Normal working conditions

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

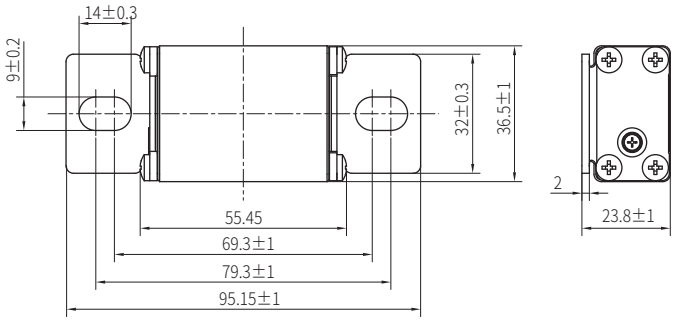
DNT000-M1M
Fuse for Semiconductor Equipment Protection

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

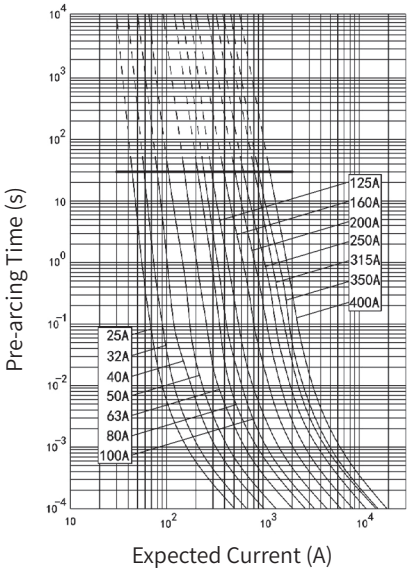
Product parameter

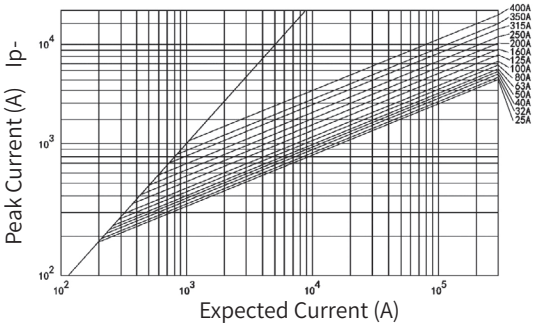
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT000-M1M-25A/800V DC	000	25	340	1600	1	4	7	150±3%	M8 11±1N.m
DNT000-M1M-32A/800V DC	000	32	420	1900	1	4	8		
DNT000-M1M-40A/800V DC	000	40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

Overall dimensions (mm)



Characteristic curve





半导体设备保护用
熔断体

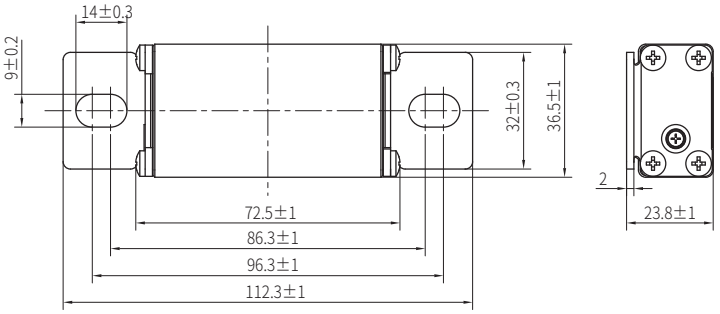
DNT000-O1M
Fuse for Semiconductor Equipment Protection

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

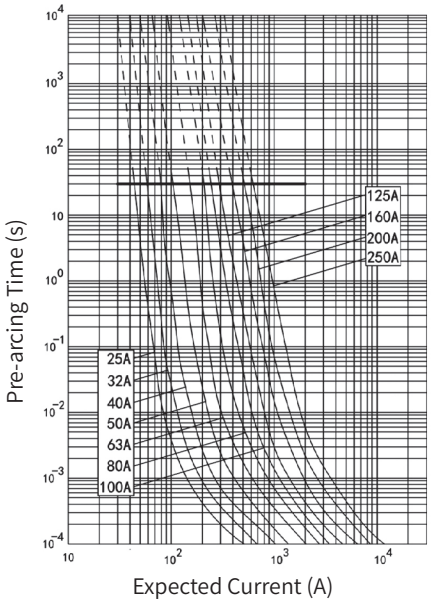
Product parameter

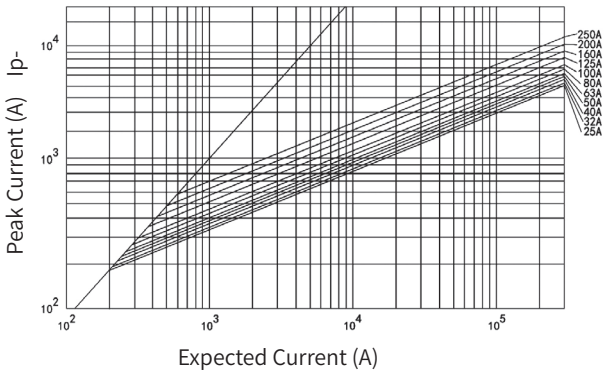
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT000-O1M-25A/1000V DC	000	25	1100	6400	1	3	6	183±3%	M8 11±1N.m
DNT000-O1M-32A/1000V DC	000	32	1470	8200	2	5	10		
DNT000-O1M-40A/1000V DC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

Overall dimensions (mm)



Characteristic curve





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

DN T □ - R 1 □

- □: Installation type code: N-hook type, L-screw connection type, R-screw connection type (contact knife rotated 90°), J-contact piece type (flat type)
- 1: Breaking range and use category code
- R: Design serial number
- □: Size
- T: Ceramic square tube type low voltage fuse
- DN: Company code

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.

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

半导体设备保护用
熔断体

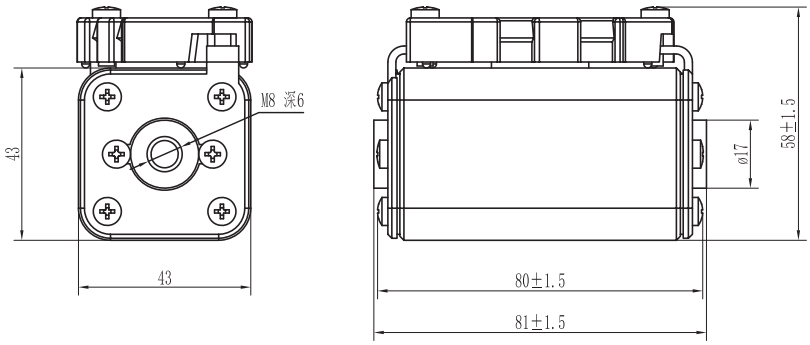
DNT01-R1J
Fuse for Semiconductor Equipment Protection

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

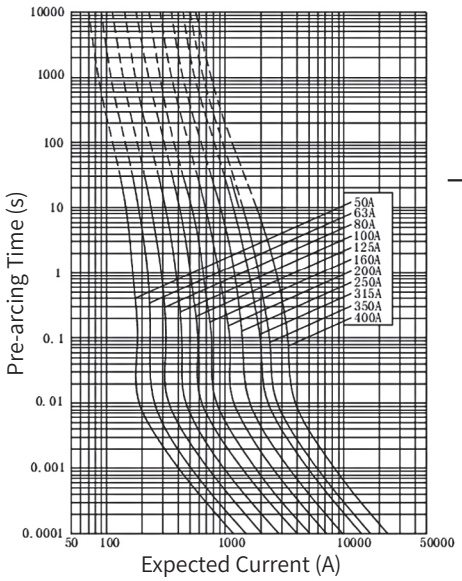
Product parameter

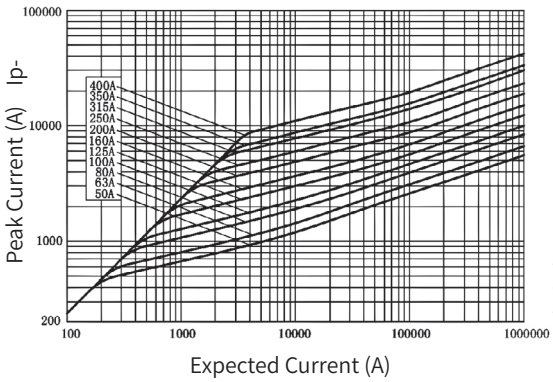
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT01-R1J-50A/1000V DC	01	50	135	1100	4	8	14	443±3%	M8 10±1N.m
DNT01-R1J-63A/1000V DC	01	63	215	1750	6	11	20		
DNT01-R1J-80A/1000V DC	01	80	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.

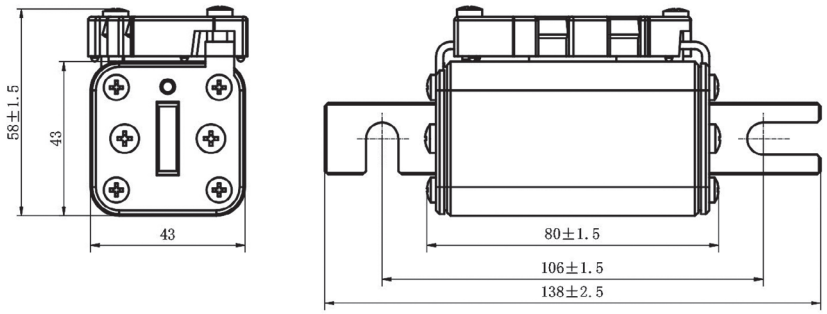
DNT01-R1N
Fuse for Semiconductor Equipment Protection

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

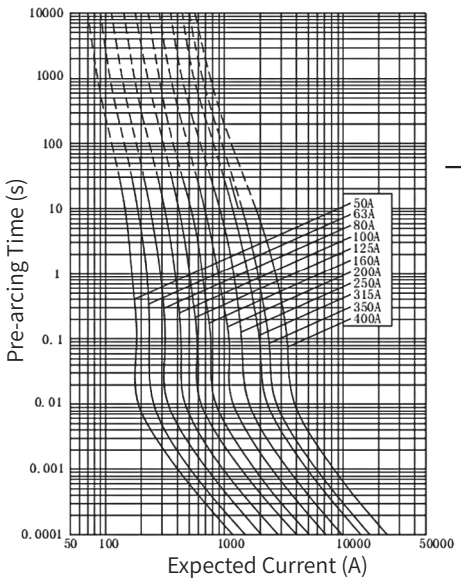
Product parameter

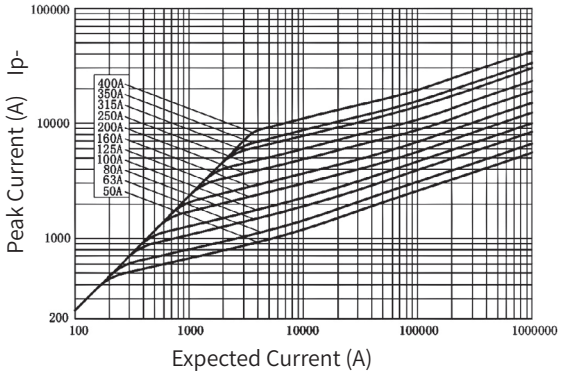
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT01-R1N-50A/1000V DC	01	50	135	1100	4	8	14	473±3%	M8 11±1N.m
DNT01-R1N-63A/1000V DC	01	63	215	1750	6	11	20		
DNT01-R1N-80A/1000V DC	01	80	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





半导体设备保护用
熔断体

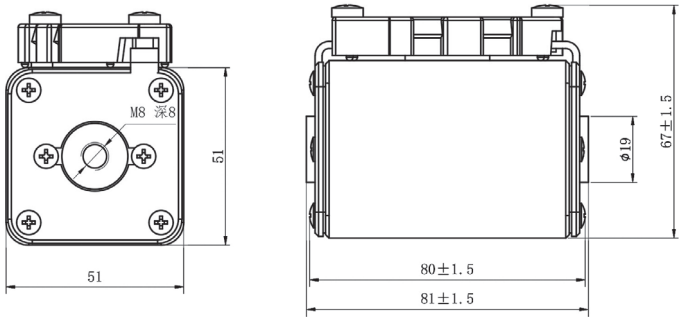
DNT1-R1J
Fuse for Semiconductor Equipment Protection

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

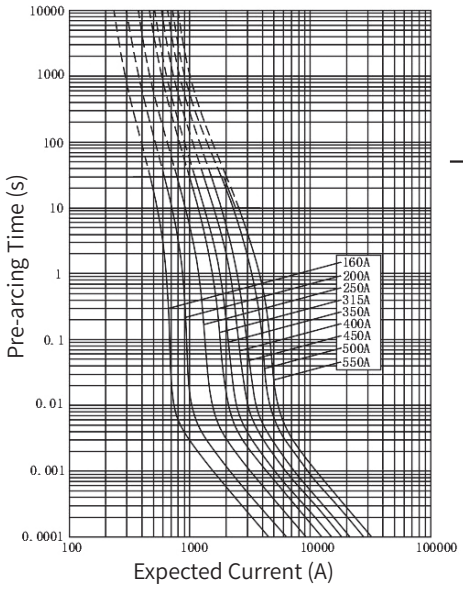
Product parameter

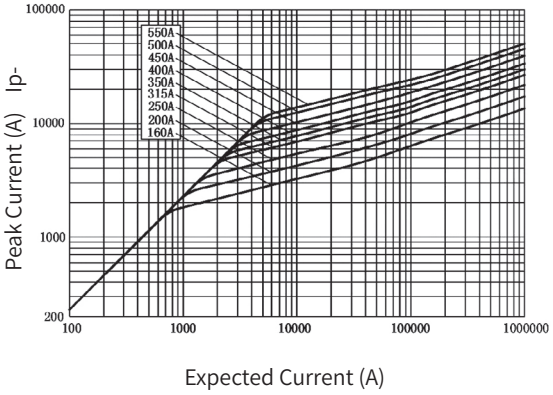
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1J-160A/1000V DC	1	160	5000	16500	16	28	52	673±3%	M8 10±1N.m
DNT1-R1J-200A/1000V DC	1	200	8500	27500	19	34	62		
DNT1-R1J-250A/1000V DC	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.

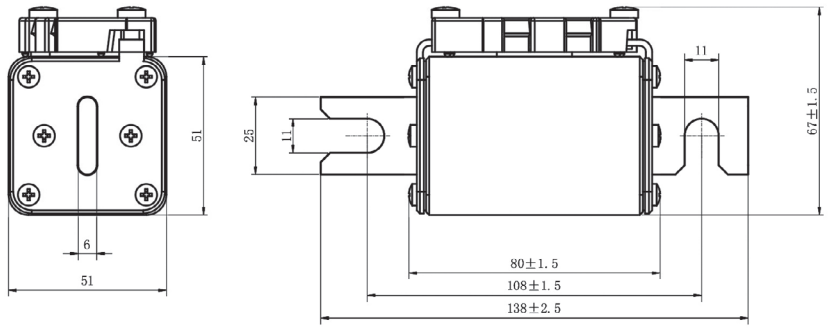
DNT1-R1N
Fuse for Semiconductor Equipment Protection

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

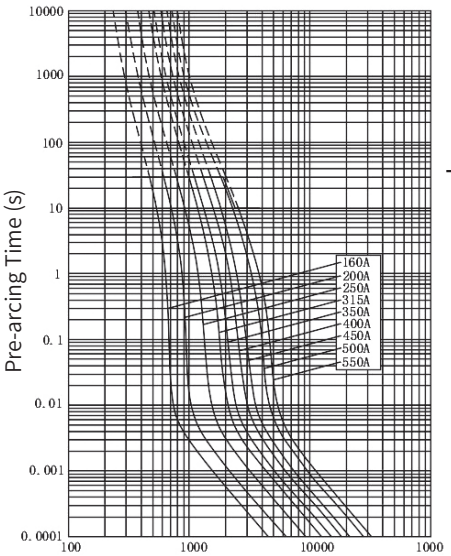
Product parameter

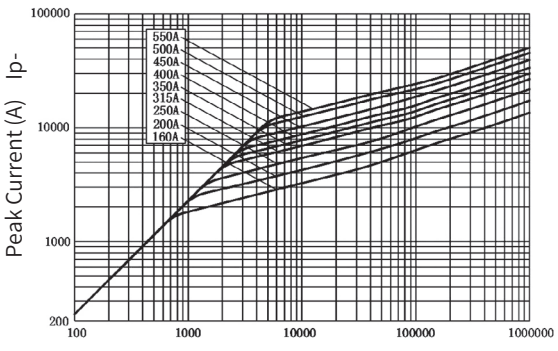
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1N-160A/1000V DC	1	160	5000	16500	16	28	52	691±3%	M10 21±1N.m
DNT1-R1N-200A/1000V DC	1	200	8500	27500	19	34	62		
DNT1-R1N-250A/1000V 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





半导体设备保护用
熔断体

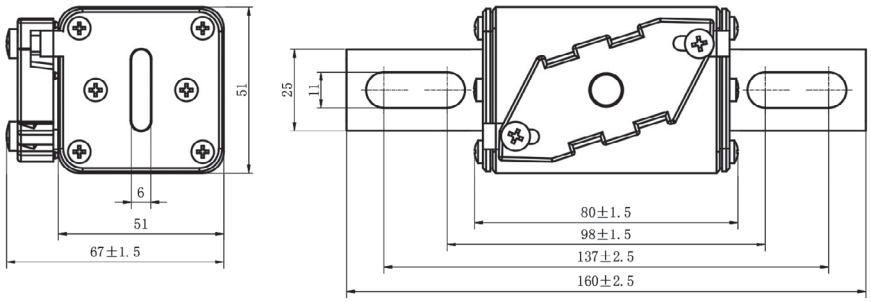
DNT1-R1R
Fuse for Semiconductor Equipment Protection

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

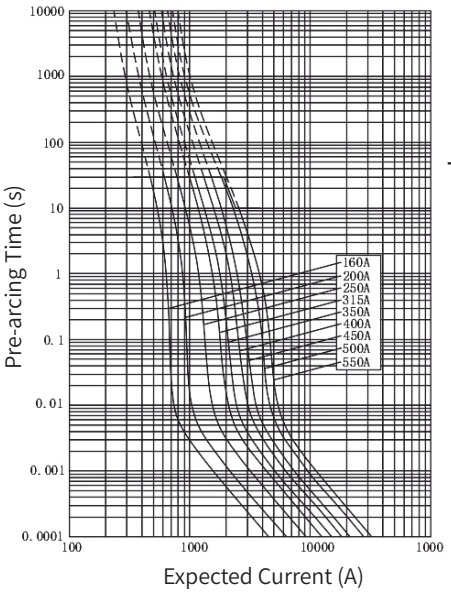
Product parameter

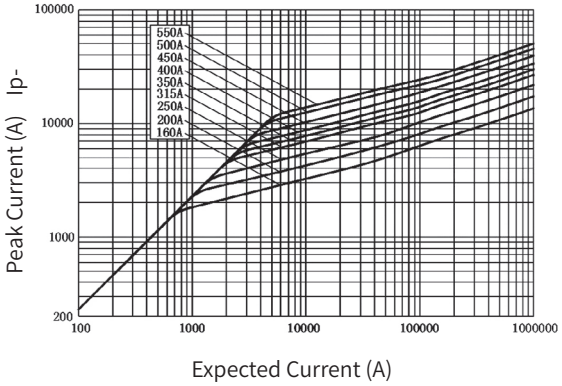
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1R-160A/1000V DC	1	160	5000	16500	16	28	52	711±3%	M10 21±1N.m
DNT1-R1R-200A/1000V DC	1	200	8500	27500	19	34	62		
DNT1-R1R-250A/1000V 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





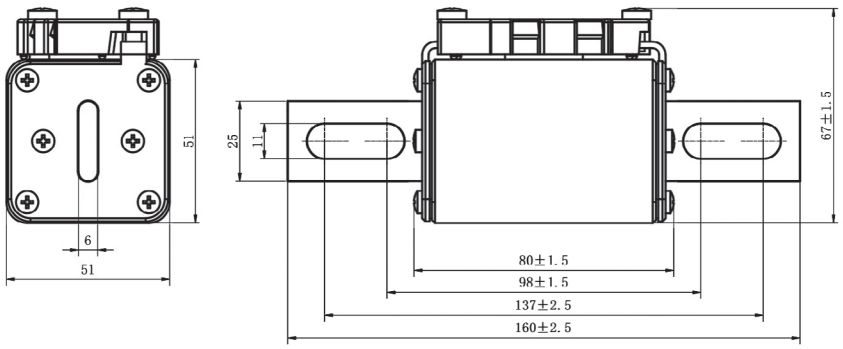
DNT1-R1L
Fuse for Semiconductor Equipment Protection

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

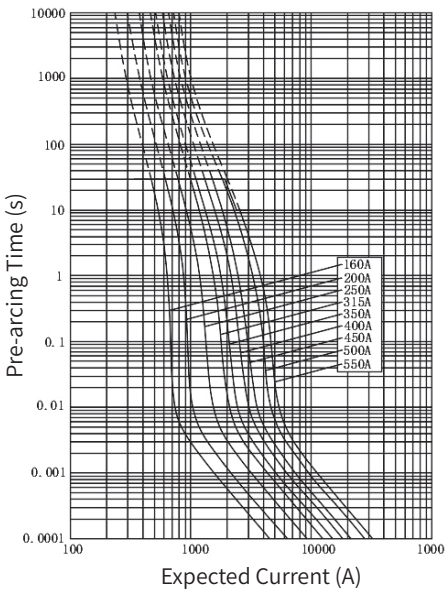
Product parameter

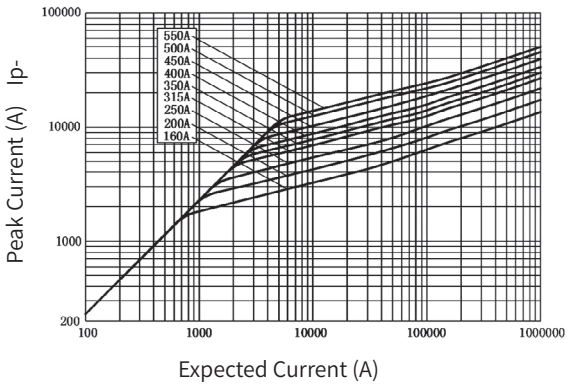
Model No.	Size	In (A)	I²t (A²S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1L-160A/1000V DC	1	160	5000	16500	16	28	52	711±3%	M10 21±1N.m
DNT1-R1L-200A/1000V DC	1	200	8500	27500	19	34	62		
DNT1-R1L-250A/1000V DC	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





半导体设备保护用
熔断体

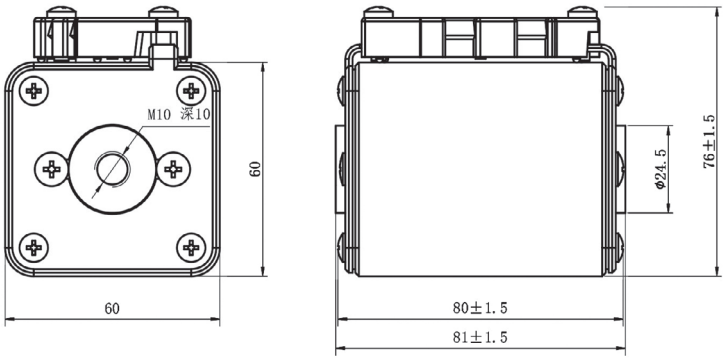
DNT2-R1J
Fuse for Semiconductor Equipment Protection

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

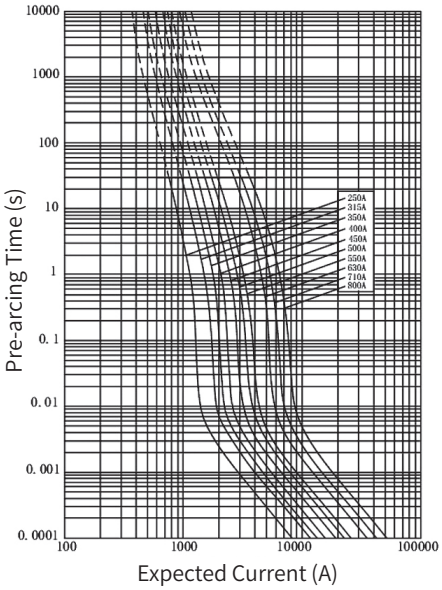
Product parameter

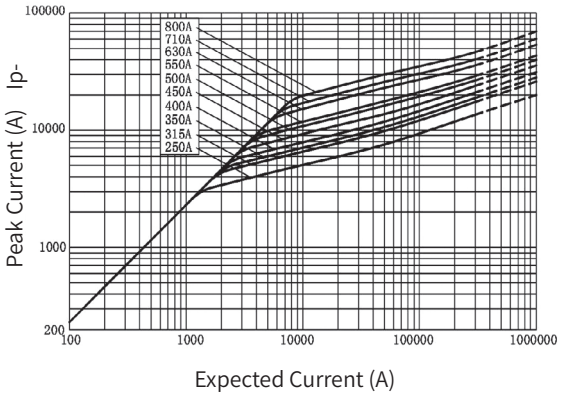
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1J-250A/1000V DC	2	250	11000	52000	24	44	80	910±3%	M10 21±1N.m
DNT2-R1J-315A/1000V DC	2	315	20000	94000	29	52	96		
DNT2-R1J-350A/1000V 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.

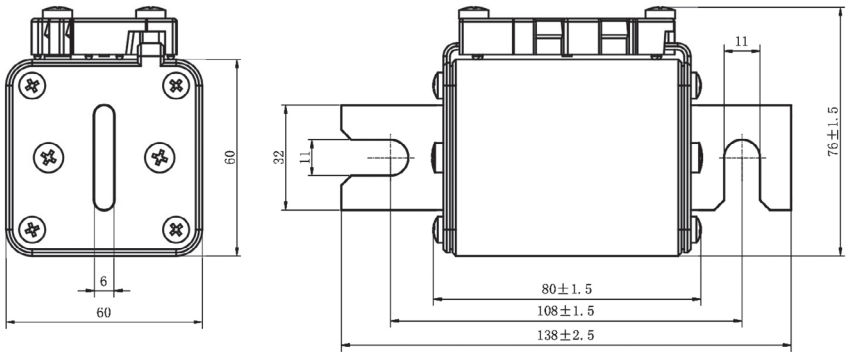
DNT2-R1N
Fuse for Semiconductor Equipment Protection

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

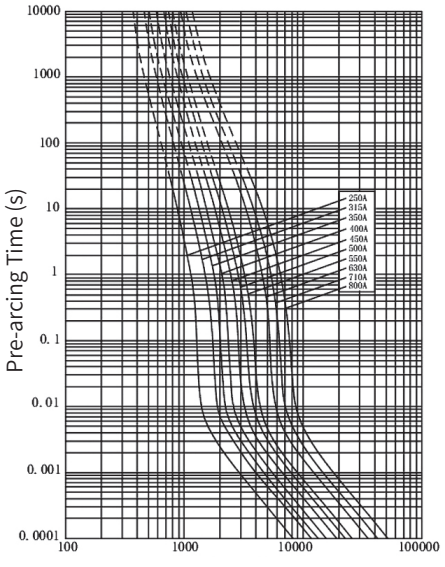
Product parameter

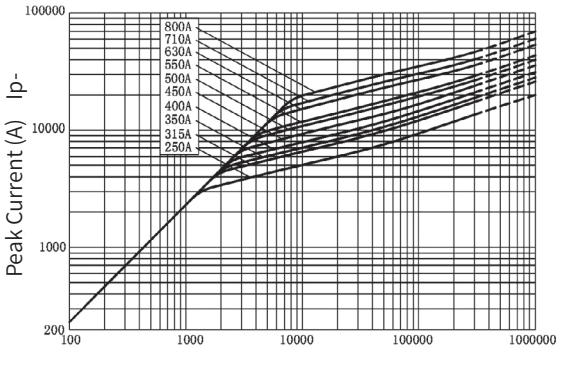
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1N-250A/1000V DC	2	250	11000	52000	24	44	80	930±3%	M10 21±1N.m
DNT2-R1N-315A/1000V DC	2	315	20000	94000	29	52	96		
DNT2-R1N-350A/1000V 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





半导体设备保护用
熔断体

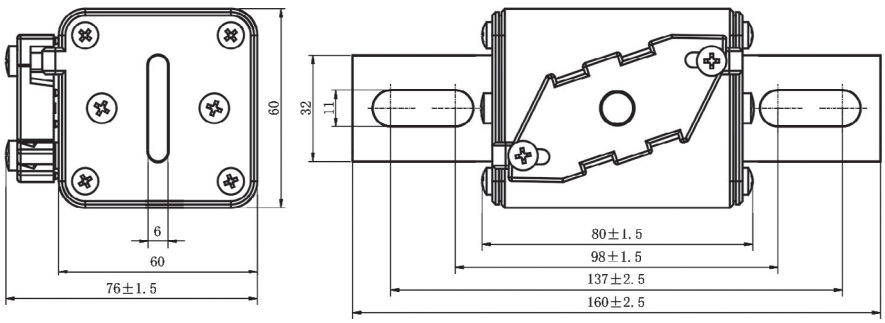
DNT2-R1R
Fuse for Semiconductor Equipment Protection

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

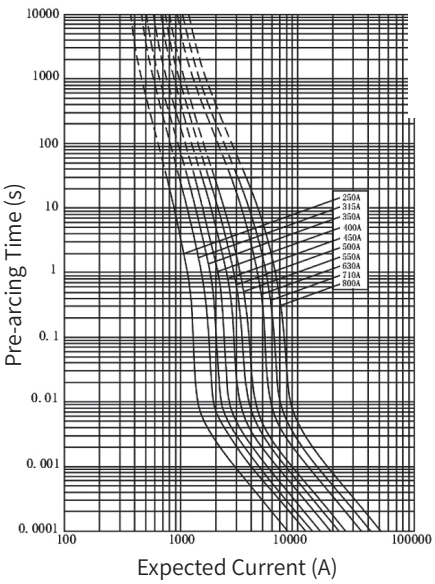
Product parameter

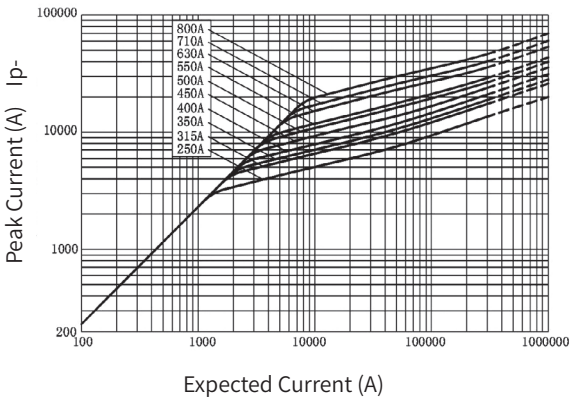
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1R-250A/1000V DC	2	250	11000	52000	24	44	80	960±3%	M10 21±1N.m
DNT2-R1R-315A/1000V DC	2	315	20000	94000	29	52	96		
DNT2-R1R-350A/1000V 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





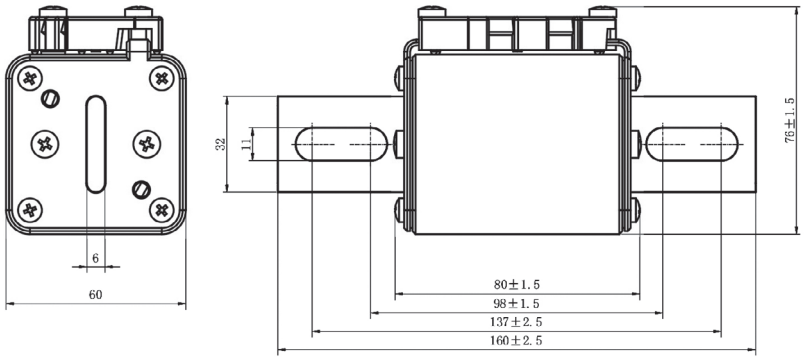
DNT2-R1L
Fuse for Semiconductor Equipment Protection

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

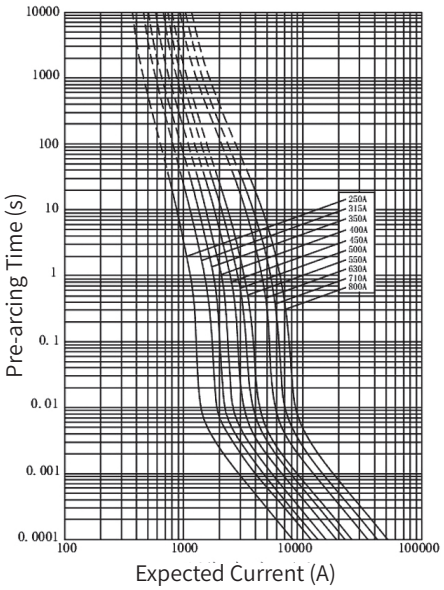
Product parameter

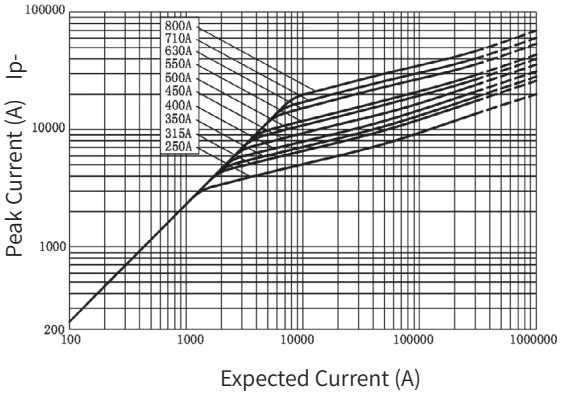
Model No.	Size	In (A)	I²t (A²S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1L-250A/1000V DC	2	250	11000	52000	24	44	80	960±3%	M10 21±1N.m
DNT2-R1L-315A/1000V DC	2	315	20000	94000	29	52	96		
DNT2-R1L-350A/1000V 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





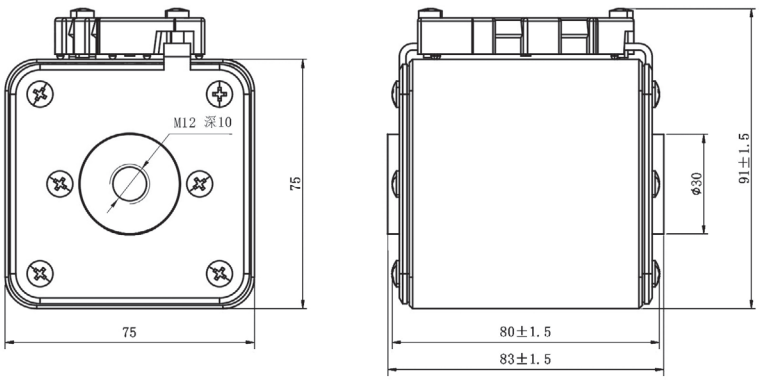
DNT3-R1J
Fuse for Semiconductor Equipment Protection

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

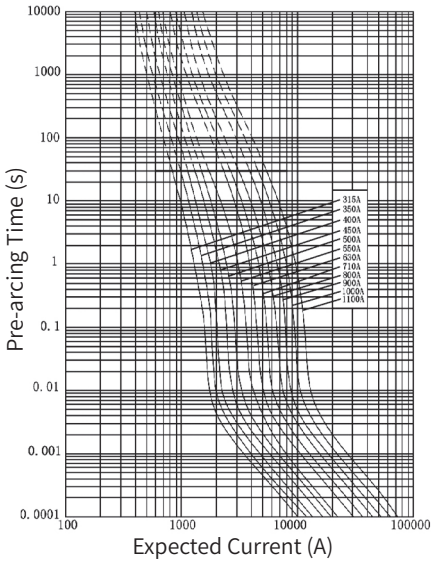
Product parameter

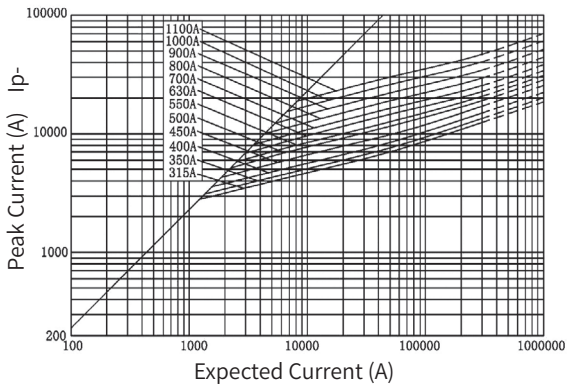
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1J-315A/1000V DC	3	315	13500	41100	29	53	97	1275±3%	M12 38±1N.m
DNT3-R1J-350A/1000V DC	3	350	17800	54100	32	58	107		
DNT3-R1J-400A/1000V 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.

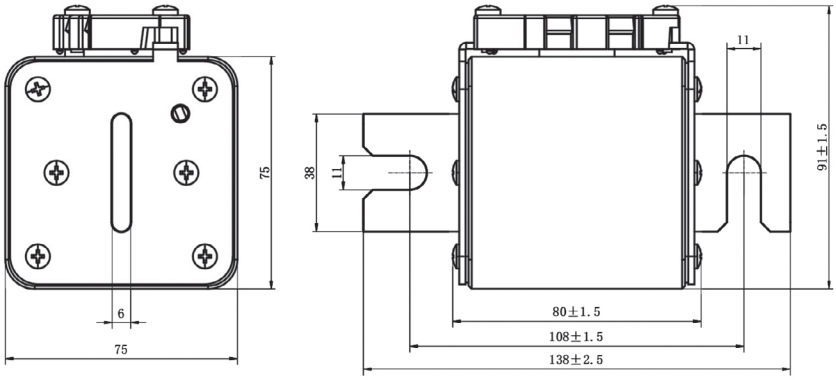
DNT3-R1N
Fuse for Semiconductor Equipment Protection

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

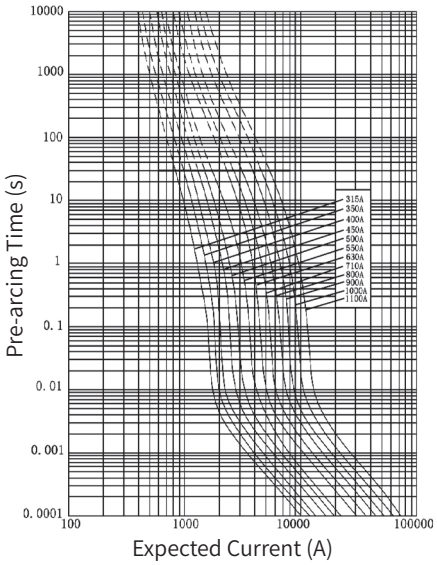
Product parameter

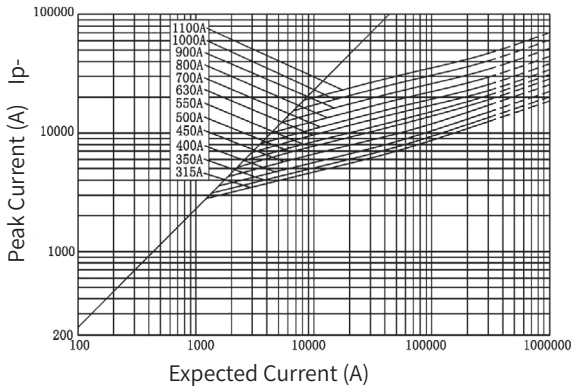
Model No.	Size	In (A)	I²t (A²S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1N-315A/1000V DC	3	315	13500	41100	29	53	97	1320±3%	M10 21±1N.m
DNT3-R1N-350A/1000V DC	3	350	17800	54100	32	58	107		
DNT3-R1N-400A/1000V 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





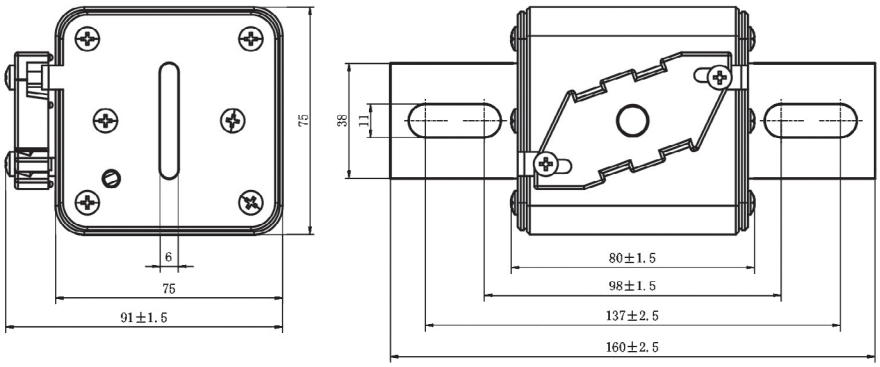
DNT3-R1R
Fuse for Semiconductor Equipment Protection

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

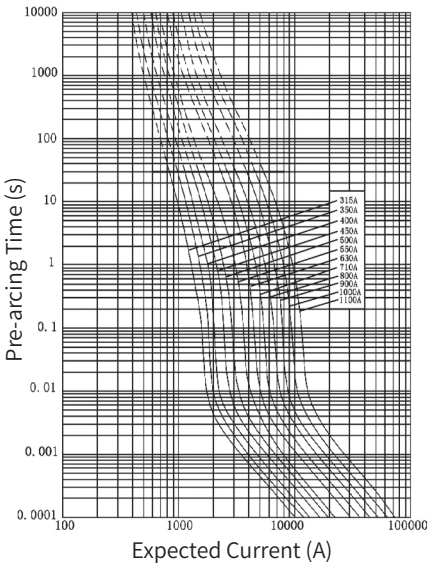
Product parameter

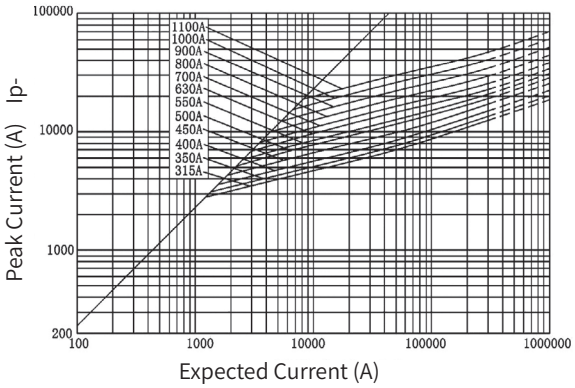
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1R-315A/1000V DC	3	315	13500	41100	29	53	97	1340±3%	M10 21±1N.m
DNT3-R1R-350A/1000V DC	3	350	17800	54100	32	58	107		
DNT3-R1R-400A/1000V 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





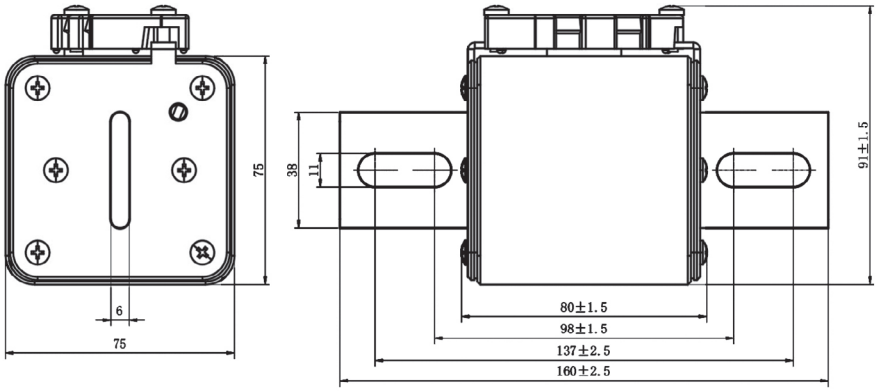
DNT3-R1L
Fuse for Semiconductor Equipment Protection

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

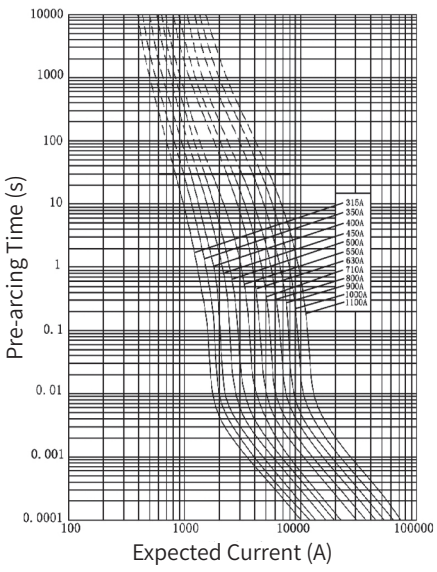
Product parameter

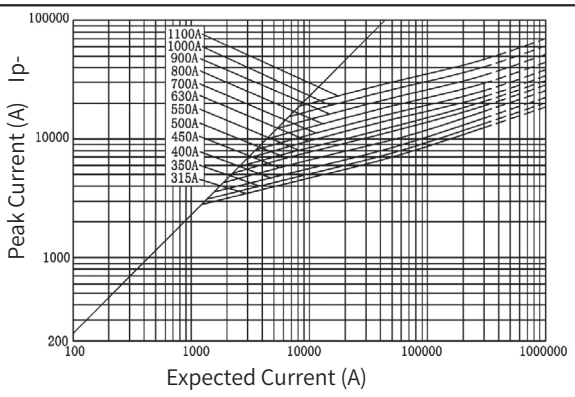
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1L-315A/1000V DC	3	315	13500	41100	29	53	97	1340±3%	M10 21±1N.m
DNT3-R1L-350A/1000V DC	3	350	17800	54100	32	58	107		
DNT3-R1L-400A/1000V 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

DN T □ - J 1 □

- Installation type code: N-hook type, L-screw connection type, R-screw connection type (contact knife rotated 90°), J-contact piece type (flat type)
- Breaking range and use category code
- Design serial number
- Size
- Ceramic square tube type low voltage fuse
- Company code

Normal working conditions

1.Ambient Air Temperature:The ambient air temperature Ta 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

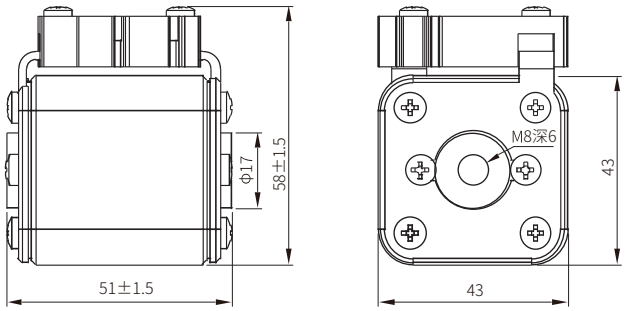
DNT01-J1J
Fuse for Semiconductor Equipment Protection

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

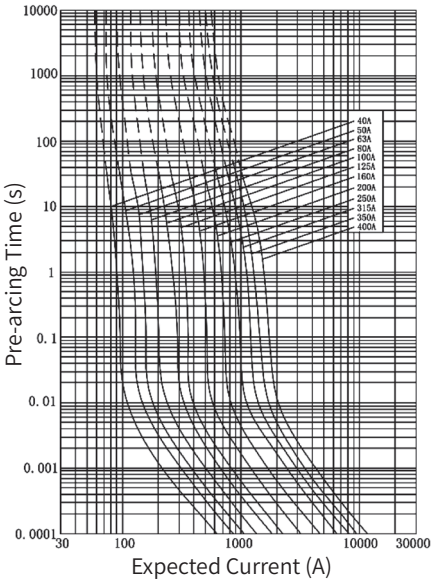
Product parameter

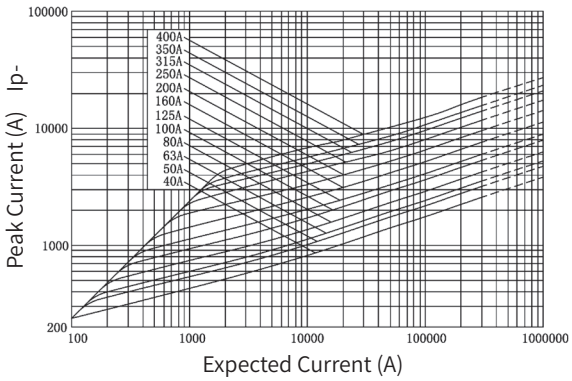
Model No.	Size	Ue (V)	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT01-J1J-40A/690V AC	01	690	40	89	580	1.5	5	8.5	310±3%	M8 10±1N.m
DNT01-J1J-50A/690V AC	01		50	60	1035	2	5.5	9		
DNT01-J1J-63A/690V 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.

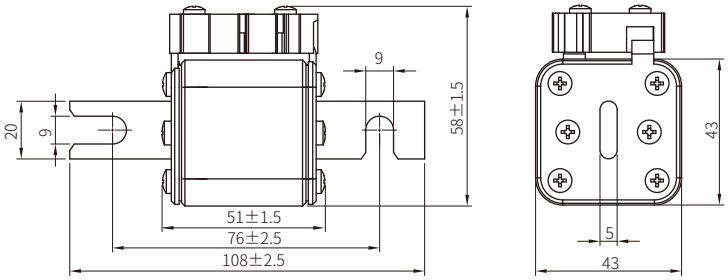
DNT01-J1N
Fuse for Semiconductor Equipment Protection

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

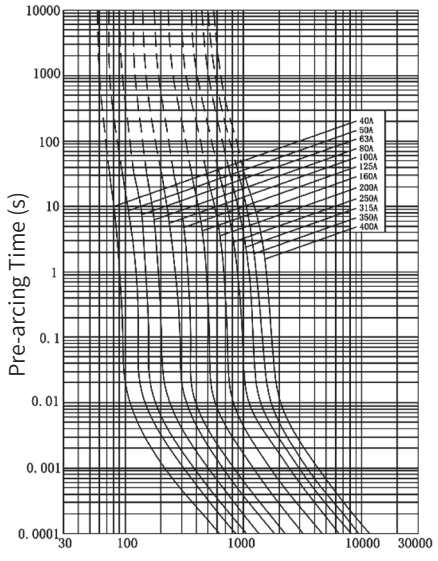
Product parameter

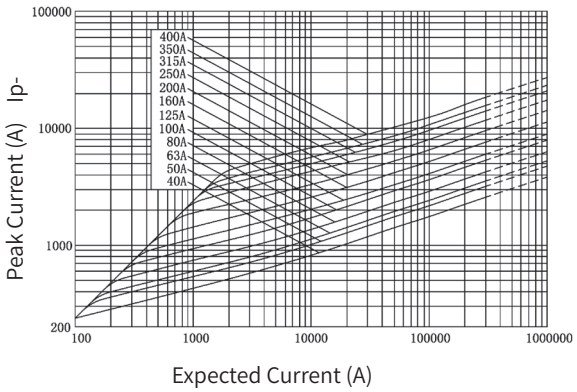
Model No.	Size	Ue (V)	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT01-J1N-40A/690V AC	01	690	40	89	580	1.5	5	8.5	335±3%	M8 10±1N.m
DNT01-J1N-50A/690V AC	01		50	60	1035	2	5.5	9		
DNT01-J1N-63A/690V AC	01		63	266	1750	2.5	7	12		
DNT01-JIN-80A/690V AC	01		80	430	2800	3	10.5	16		
DNT01-JIN-100A/690V AC	01		100	800	5220	3.5	11	18.5		
DNT01-JIN-125A/690V AC	01		125	1420	9270	4	13	22		
DNT01-JIN-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





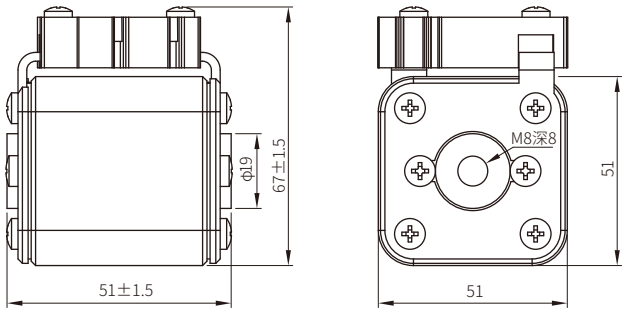
DNT1-J1J
Fuse for Semiconductor Equipment Protection

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

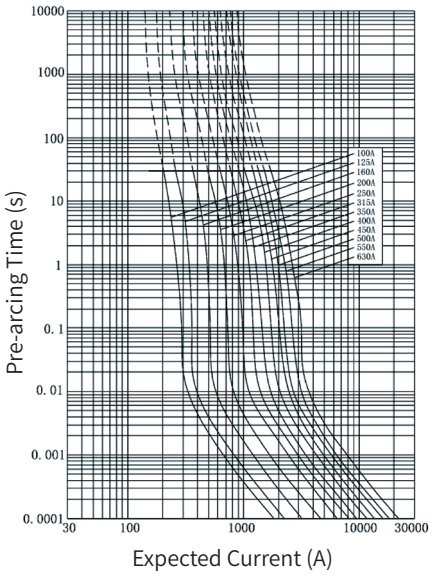
Product parameter

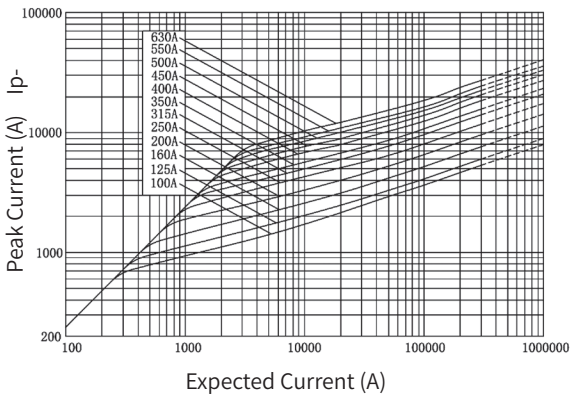
Model No.	Size	Ue (V)	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT1-J1J-100A/690V AC	1	690	100	860	7600	2	11	19	435±3%	M10 21±1N.m
DNT1-J1J-125A/690V AC	1		125	1250	12200	4	14	23		
DNT1-J1J-160A/690V 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.

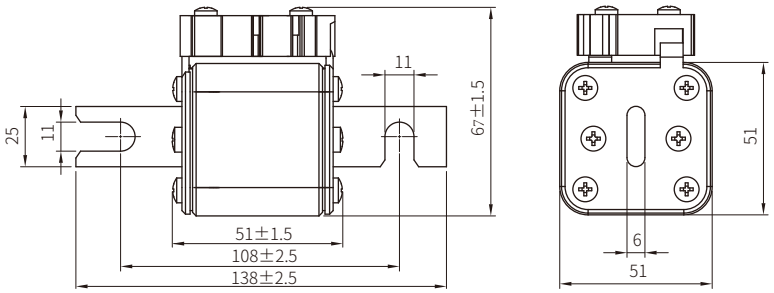
DNT1-J1N
Fuse for Semiconductor Equipment Protection

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

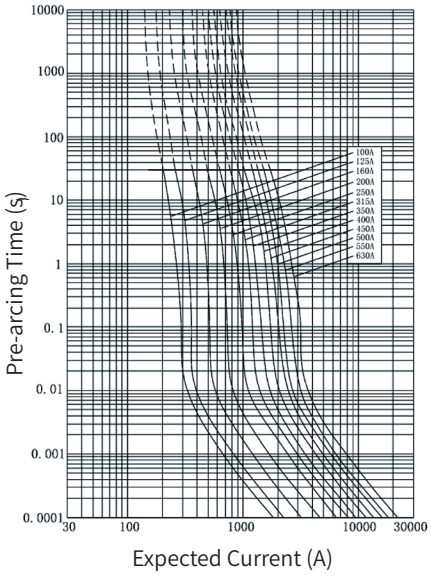
Product parameter

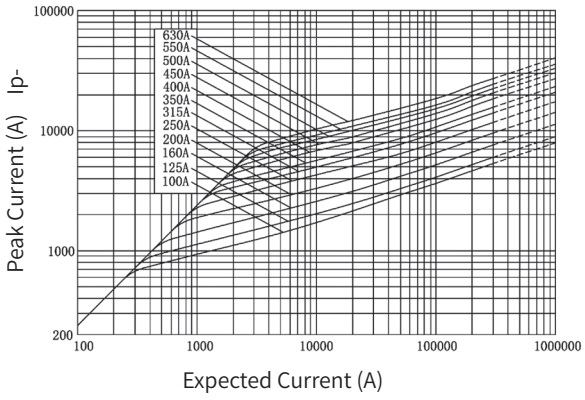
Model No.	Size	Ue (V)	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT1-J1N-100A/690V AC	1	690	100	860	7600	2	11	19	465±3%	M10 21±1N.m
DNT1-J1N-125A/690V AC	1		125	1250	12200	4	14	23		
DNT1-J1N-160A/690V 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





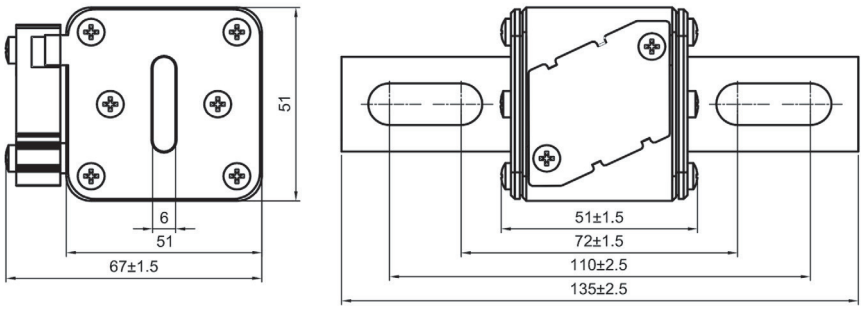
DNT1-J1R
Fuse for Semiconductor Equipment Protection

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

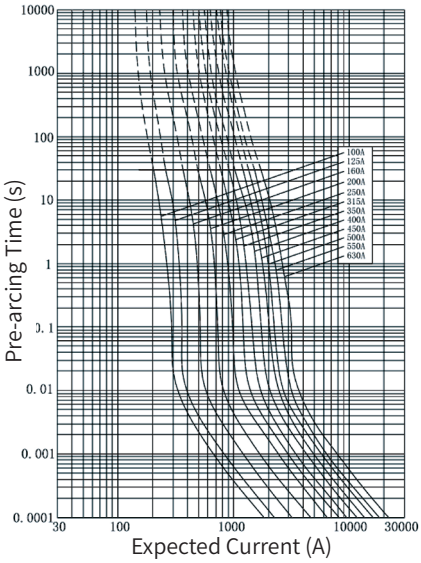
Product parameter

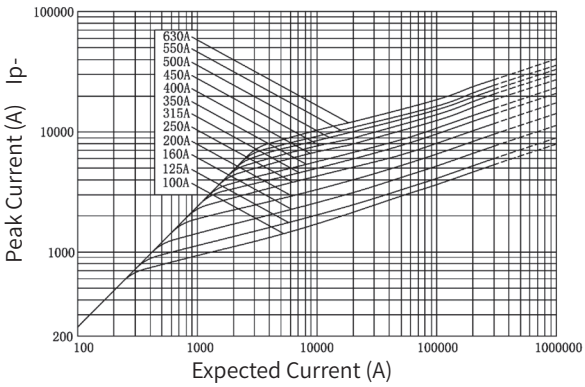
Model No.	Size	Ue (V)	In (A)	I²t (A²S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT1-J1R-100A/690V AC	1	690	100	860	7600	2	11	19	455±3%	M10 21±1N.m
DNT1-J1R-125A/690V AC	1		125	1250	12200	4	14	23		
DNT1-J1R-160A/690V 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





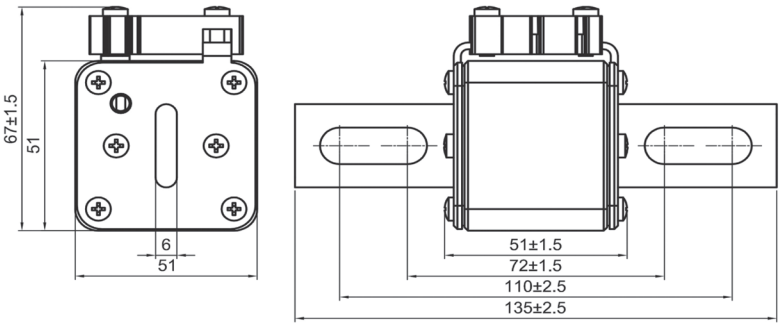
DNT1-J1L
Fuse for Semiconductor Equipment Protection

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

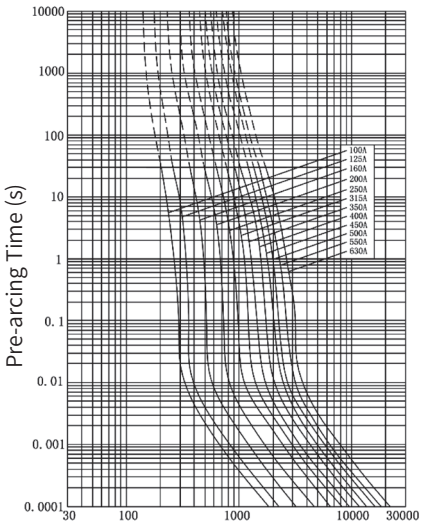
Product parameter

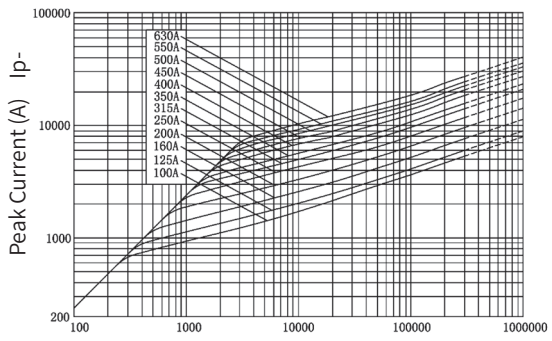
Model No.	Size	Ue (V)	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT1-J1L-100A/690V AC	1	690	100	860	7600	2	11	19	455±3%	M10 21±1N.m
DNT1-J1L-125A/690V AC	1		125	1250	12200	4	14	23		
DNT1-J1L-160A/690V 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





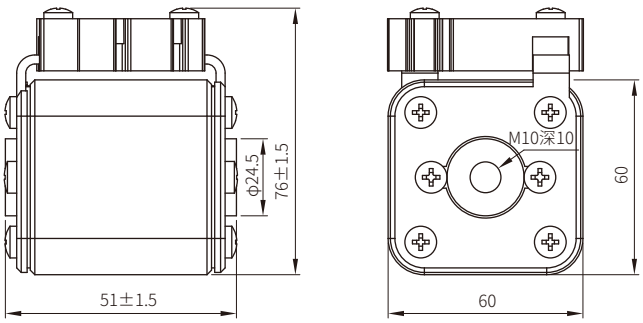
DNT2-J1J
Fuse for Semiconductor Equipment Protection

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

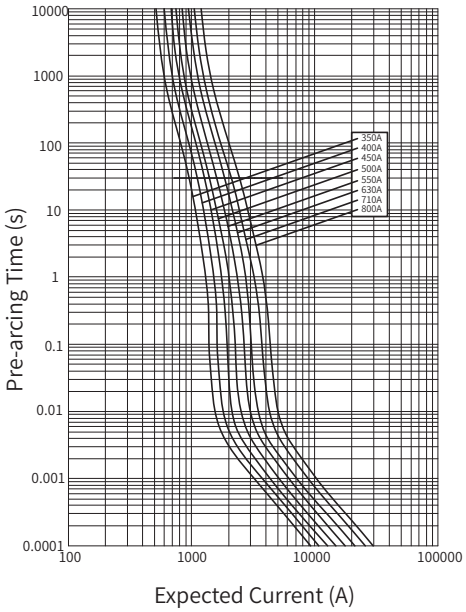
Product parameter

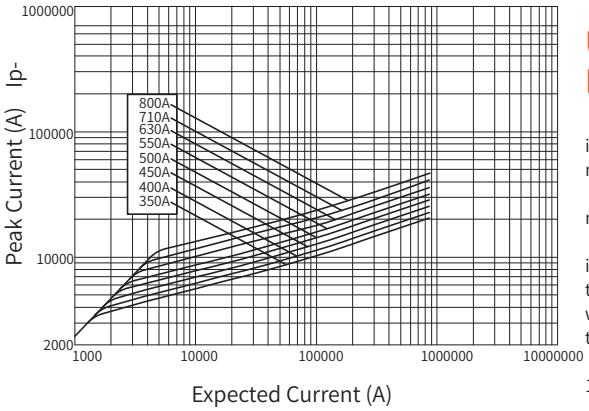
Model No.	Size	Ue (V)	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT2-J1J-350A/690V AC	2	690	350	860	7600	11	35	60	588±3%	M10 21±1N.m
DNT2-J1J-400A/690V AC	2		400	14800	104200	12	38	64		
DNT2-J1J-450A/690V 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.

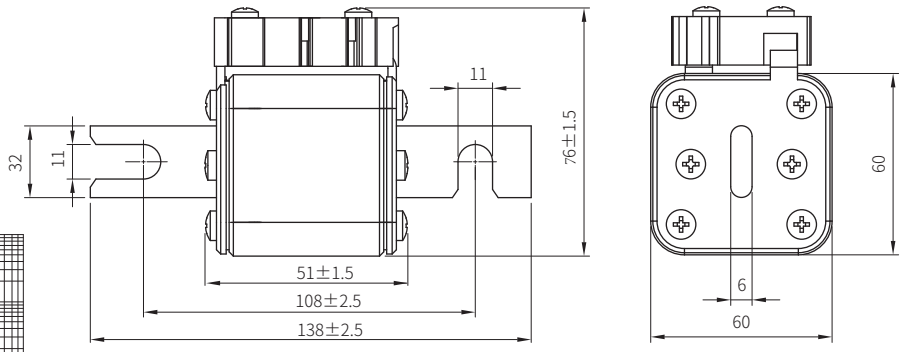
DNT2-J1N
Fuse for Semiconductor Equipment Protection

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

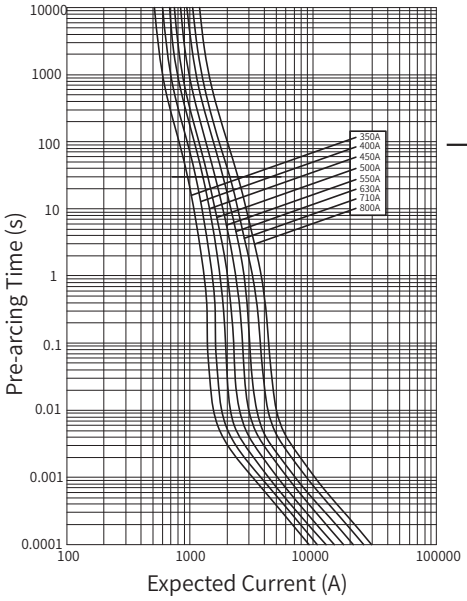
Product parameter

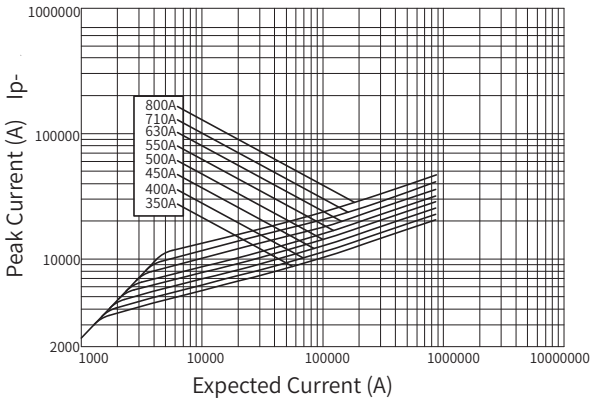
Model No.	Size	Ue (V)	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT2-J1N-350A/690V AC	2	690	350	860	7600	11	35	60	625±3%	M10 21±1N.m
DNT2-J1N-400A/690V AC	2		400	14800	104200	12	38	64		
DNT2-J1N-450A/690V 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





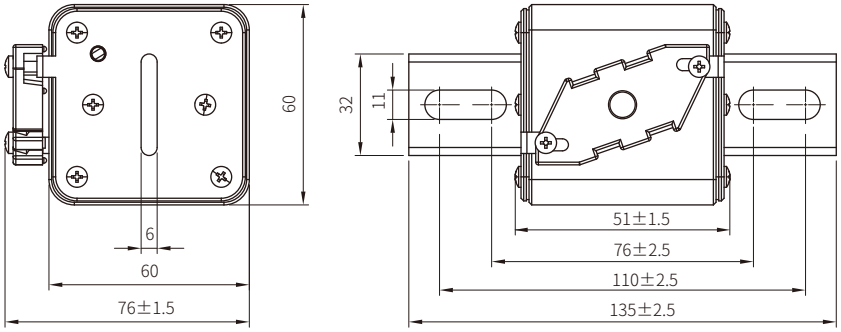
DNT2-J1R
Fuse for Semiconductor Equipment Protection

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

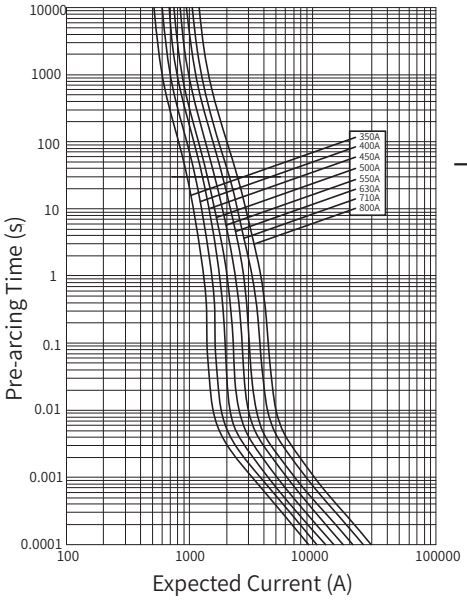
Product parameter

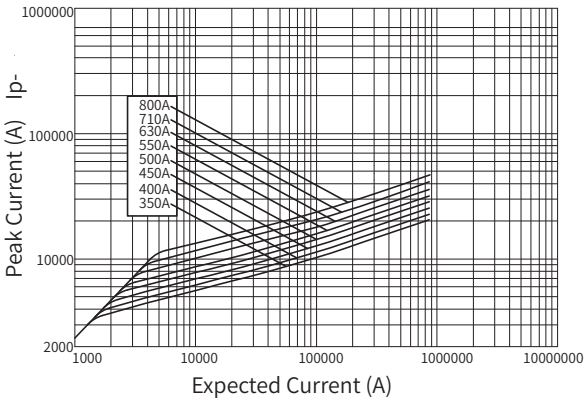
Model No.	Size	Ue (V)	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT2-J1R-350A/690V AC	2	690	350	860	7600	11	35	60	625±3%	M10 21±1N.m
DNT2-J1R-400A/690V AC	2		400	14800	104200	12	38	64		
DNT2-J1R-450A/690V 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





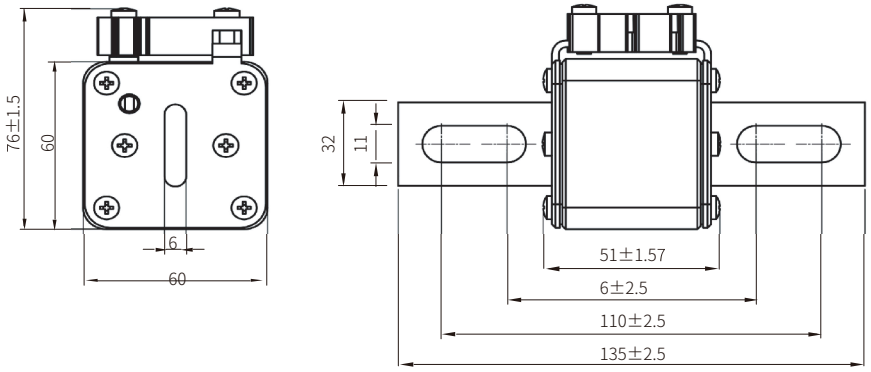
DNT2-J1L
Fuse for Semiconductor Equipment Protection

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

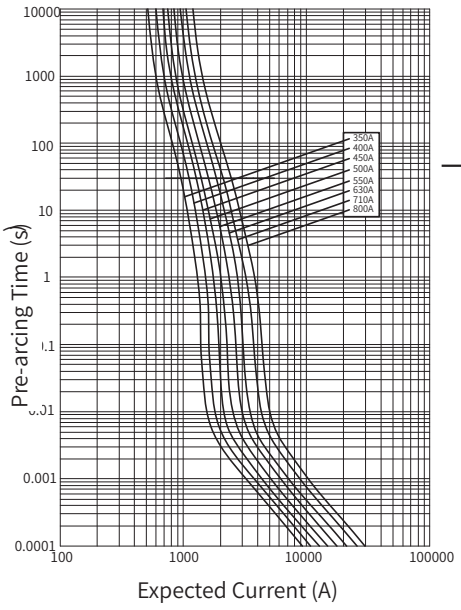
Product parameter

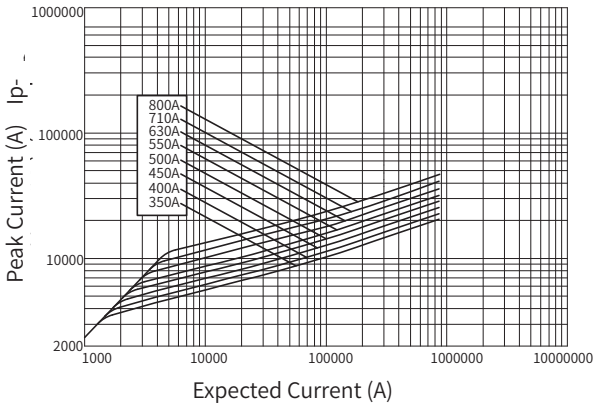
Model No.	Size	Ue (V)	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT2-J1L-350A/690V AC	2	690	350	860	7600	11	35	60	625±3%	M10 21±1N.m
DNT2-J1L-400A/690V AC	2		400	14800	104200	12	38	64		
DNT2-J1L-450A/690V 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





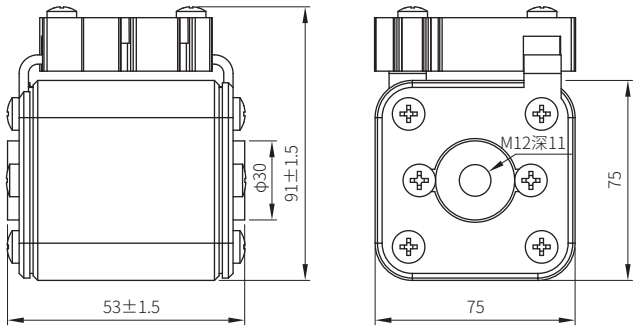
DNT3-J1J
Fuse for Semiconductor Equipment Protection

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

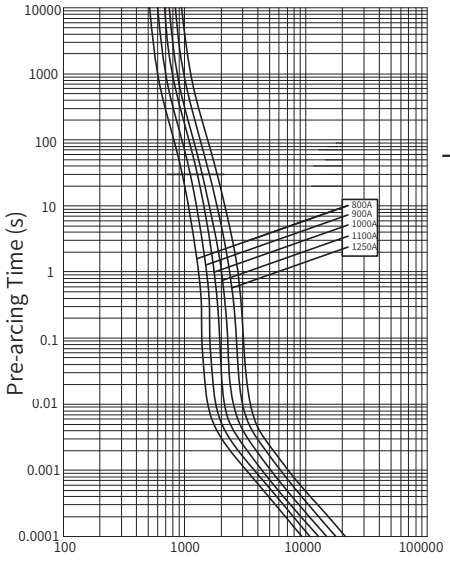
Product parameter

Model No.	Size	Ue (V)	In (A)	I^2t (A^2S)		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		

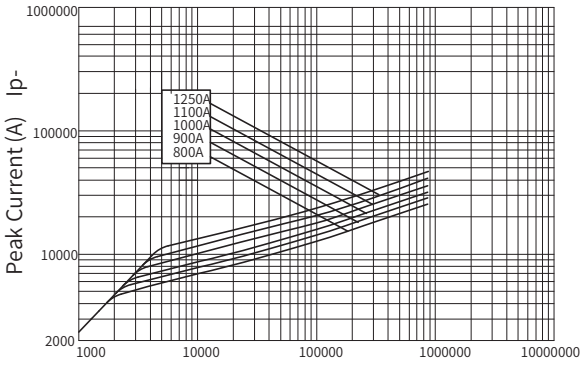
Overall dimensions (mm)



Characteristic curve



Expected Current (A)
Time-current characteristic curve



Expected Current (A)
Cut-off current 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.

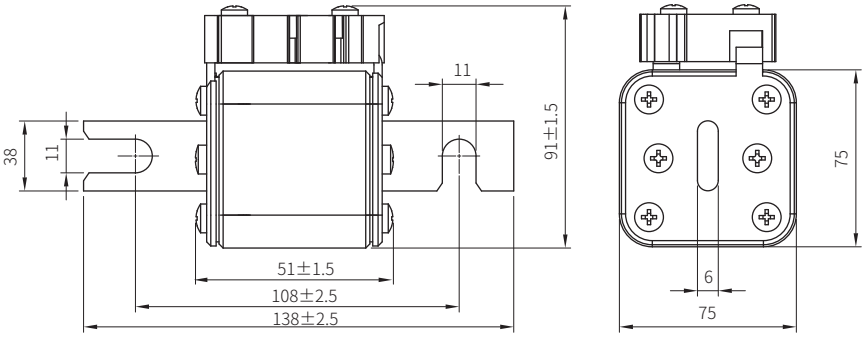
DNT3-J1N
Fuse for Semiconductor Equipment Protection

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

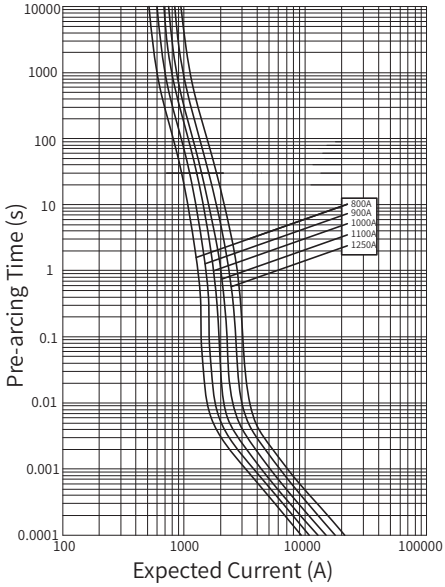
Product parameter

Model No.	Size	Ue (V)	In (A)	I²t (A²S) Pre-Arcing	I²t (A²S) Fusing	0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
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		

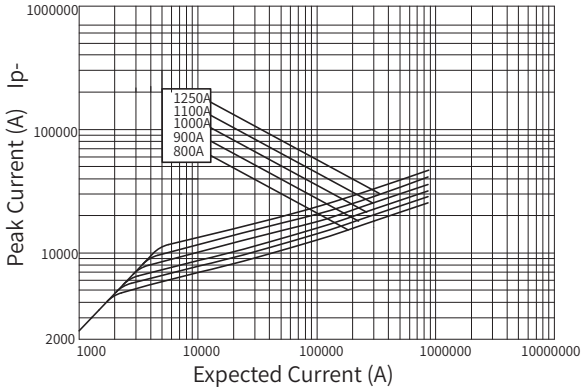
Overall dimensions (mm)



Characteristic curve



Time-current characteristic curve



Cut-off current characteristic curve

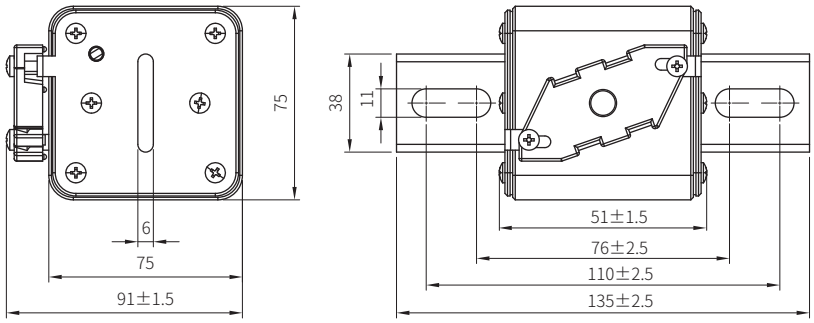
DNT3-J1R
Fuse for Semiconductor Equipment Protection

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

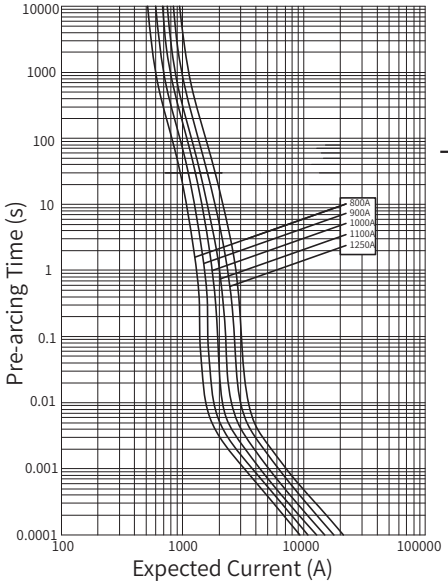
Product parameter

Model No.	Size	Ue (V)	In (A)	I²t (A²S)		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		

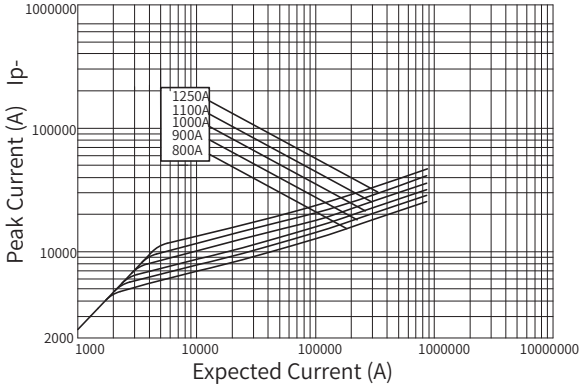
Overall dimensions (mm)



Characteristic curve



Time-current characteristic curve



Cut-off current characteristic curve

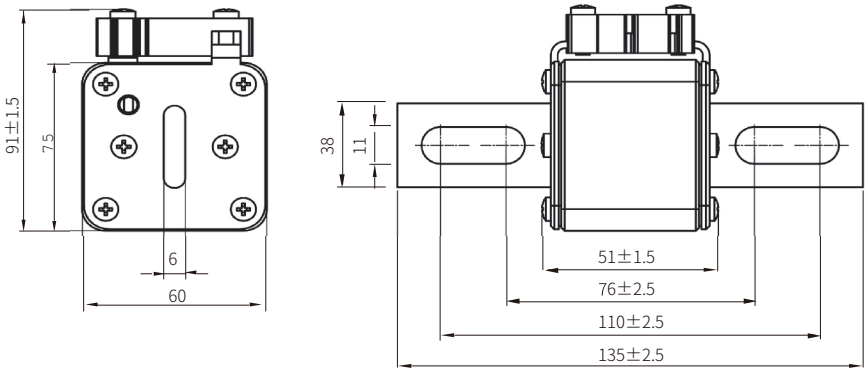
DNT3-J1L
Fuse for Semiconductor Equipment Protection

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

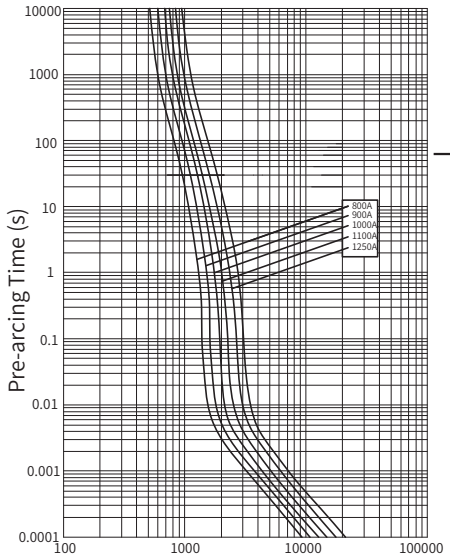
Product parameter

Model No.	Size	Ue (V)	In (A)	I^2t (A^2S) Pre-Arcing	I^2t (A^2S) Fusing	0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
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		

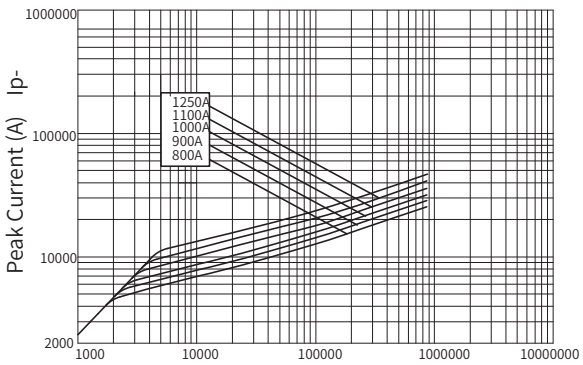
Overall dimensions (mm)



Characteristic curve



Expected Current (A)
Time-current characteristic curve



Expected Current (A)
Cut-off current 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

DN T □ - O 1 □

- Installation type code: N-hook type, L-screw connection type, R-screw connection type (contact knife rotated 90°), J-contact piece type (flat type)
- Breaking range and use category code
- Design serial number
- Size
- Ceramic square tube type low voltage fuse
- Company code

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

Normal working conditions

1. Ambient air temperature: The ambient air temperature Ta 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.

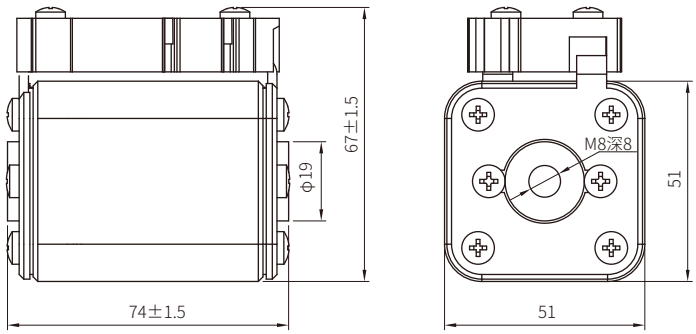
DNT1-O1J
Fuse for Semiconductor Equipment Protection

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

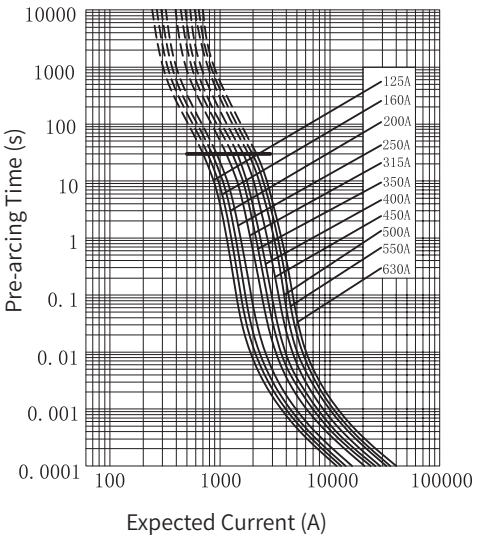
Product parameter

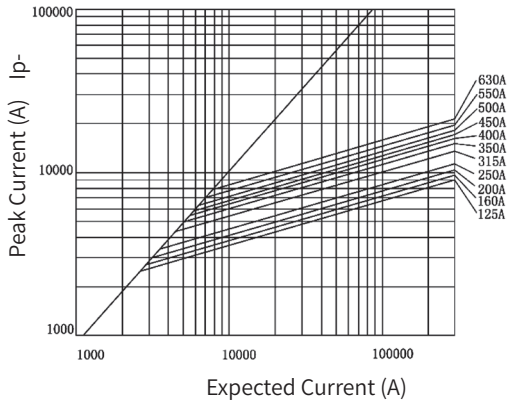
Model No.	Size	Ue (V)	In (A)	I²t (A²S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT1-O1J-160A/1000V AC	1	1000	160	2200	13500	7	23.5	40	573±3%	M10 21±1N.m
DNT1-O1J-200A/1000V AC	1		200	4150	24500	8.5	26.5	45		
DNT1-O1J-250A/1000V AC	1		250	7750	46000	10	31	52		
DNT1-O1J-315A/1000V AC	1		315	16500	98500	11	35	60		
DNT1-O1J-350A/1000V AC	1		350	21500	130000	12	38	65		
DNT1-O1J-400A/1000V AC	1		400	31000	185000	13	41	70		
DNT1-O1J-450A/1000V AC	1		450	44500	265000	15	47	80		
DNT1-O1J-500A/1000V AC	1		500	63000	375000	16	50	85		
DNT1-O1J-550A/1000V AC	1		550	84500	500000	17	53	90		
DNT1-O1J-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.

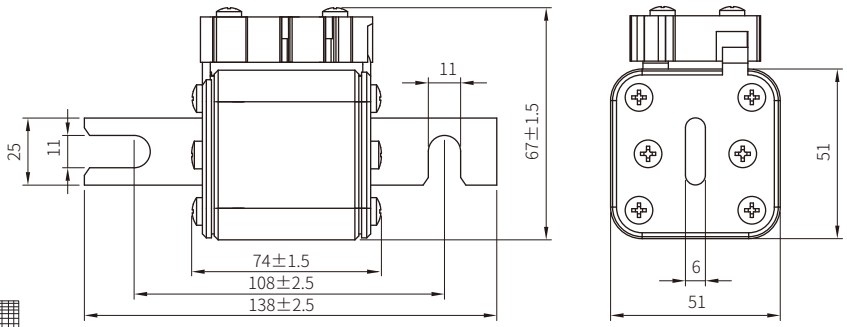
DNT1-O1N
Fuse for Semiconductor Equipment Protection

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

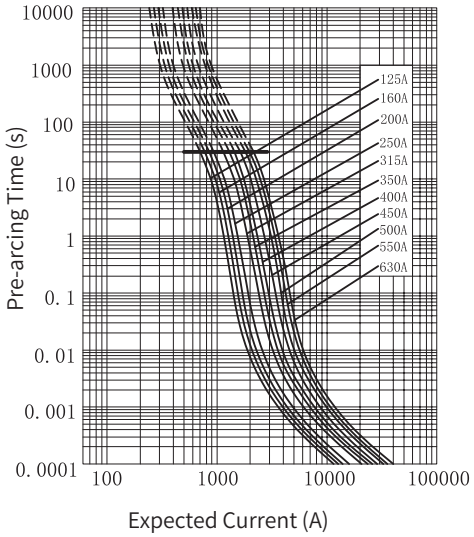
Product parameter

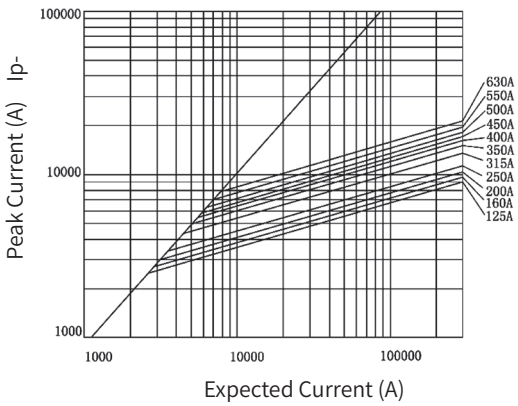
Model No.	Size	Ue (V)	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT1-O1N-160A/1000V AC	1	1000	160	2200	13500	7	23.5	40	595±3%	M10 21±1N.m
DNT1-O1N-200A/1000V AC	1		200	4150	24500	8.5	26.5	45		
DNT1-O1N-250A/1000V 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





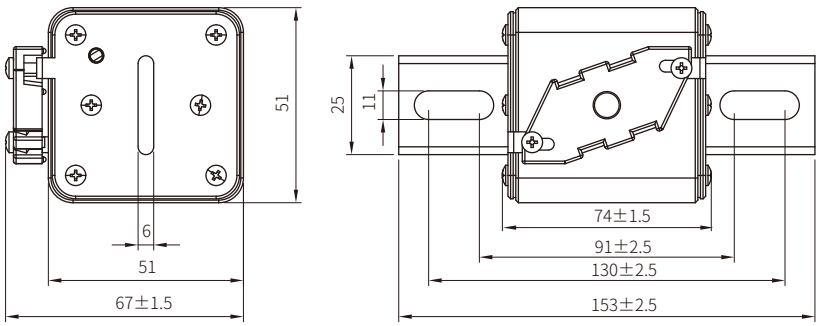
DNT1-O1R
Fuse for Semiconductor Equipment Protection

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

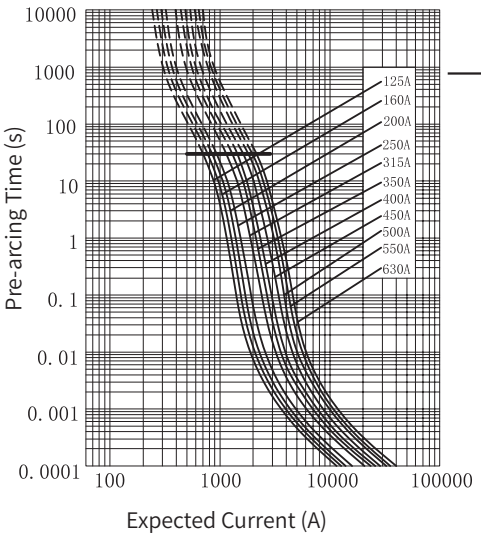
Product parameter

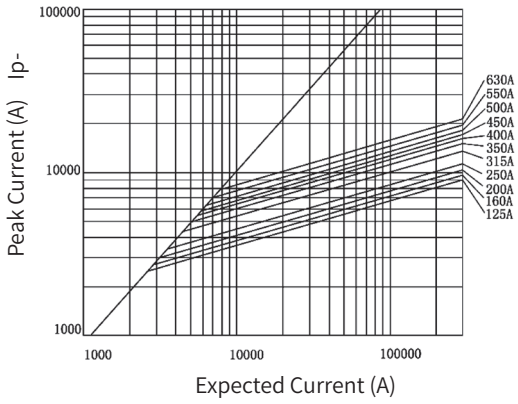
Model No.	Size	Ue (V)	In (A)	I²t (A²S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT1-O1R-160A/1000V AC	1	1000	160	2200	13500	7	23.5	40	605±3%	M10 21±1N.m
DNT1-O1R-200A/1000V AC	1		200	4150	24500	8.5	26.5	45		
DNT1-O1R-250A/1000V 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





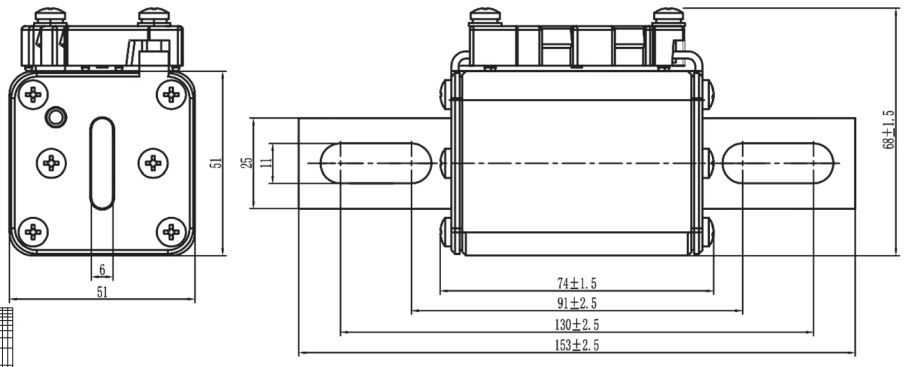
DNT1-O1L
Fuse for Semiconductor Equipment Protection

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

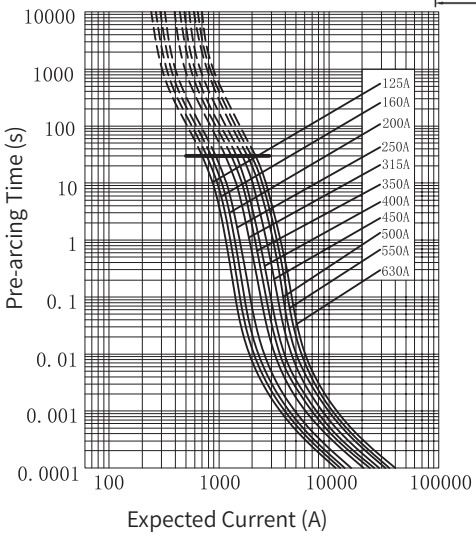
Product parameter

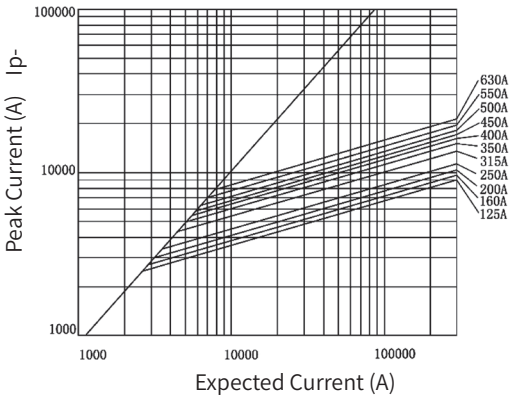
Model No.	Size	Ue (V)	In (A)	I²t (A²S) Pre-Arcing	I²t (A²S) Fusing	0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
DNT1-O1L-160A/1000V AC	1	1000	160	2200	13500	7	23.5	40	605±3%	M10 21±1N.m
DNT1-O1L-200A/1000V AC	1		200	4150	24500	8.5	26.5	45		
DNT1-O1L-250A/1000V 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





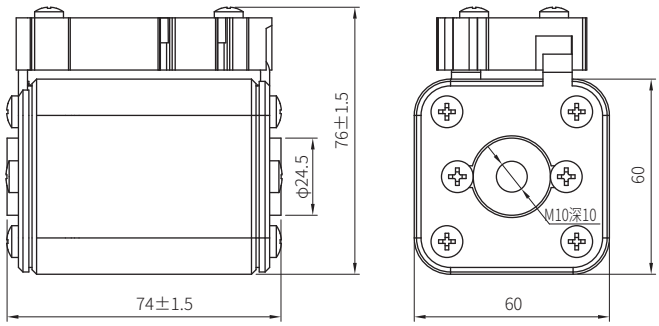
DNT2-O1J
Fuse for Semiconductor Equipment Protection

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

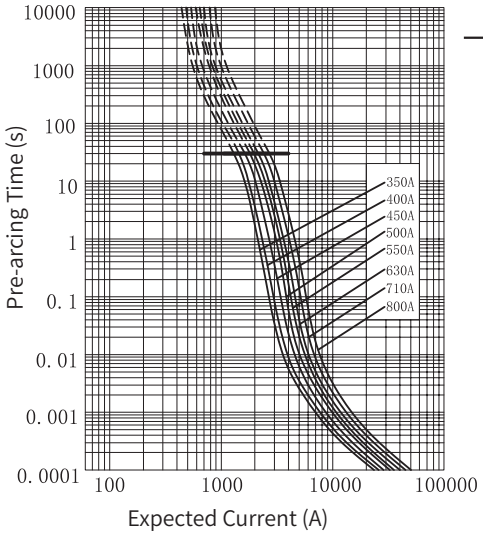
Product parameter

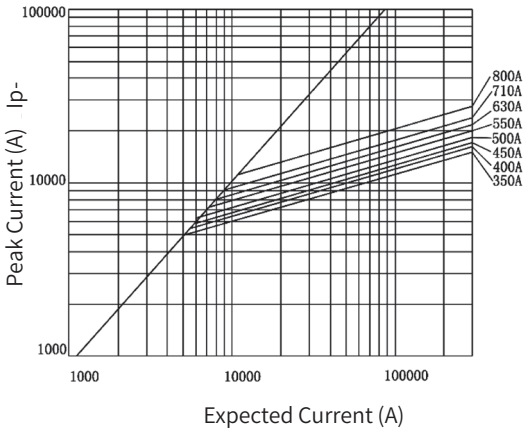
Model No.	Size	Ue (V)	In (A)	I²t (A²S) Pre-Arcing	I²t (A²S) Fusing	0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
DNT2-O1J-350A/1000V AC	2	1000	350	16500	99000	15	47	80	913±3%	M10 21±1N.m
DNT2-O1J-400A/1000V AC	2		400	26000	155000	16	50	85		
DNT2-O1J-450A/1000V AC	2		450	35500	210000	17	53	90		
DNT2-O1J-500A/1000V AC	2		500	49500	295000	18	56	95		
DNT2-O1J-550A/1000V AC	2		550	66000	390000	19	59	100		
DNT2-O1J-630A/1000V AC	2		630	93500	555000	21	65	110		
DNT2-O1J-710A/1000V AC	2		710	130000	770000	22	68	115		
DNT2-O1J-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.

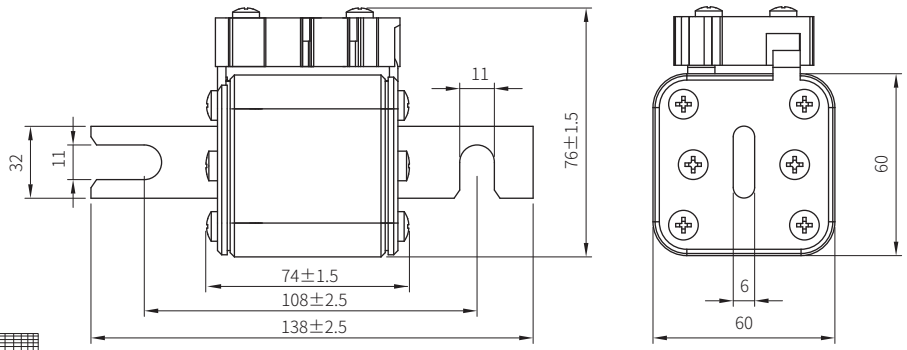
DNT2-O1N
Fuse for Semiconductor Equipment Protection

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

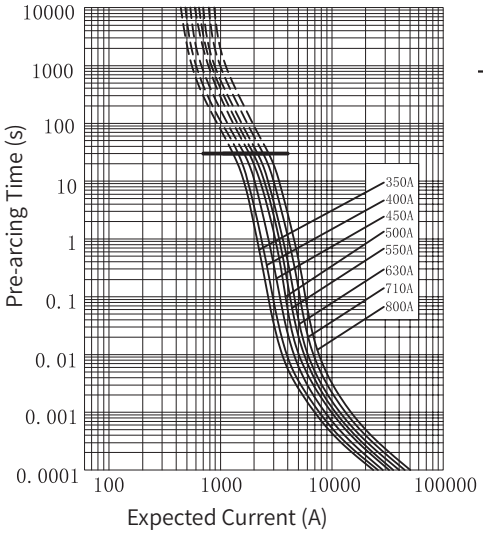
Product parameter

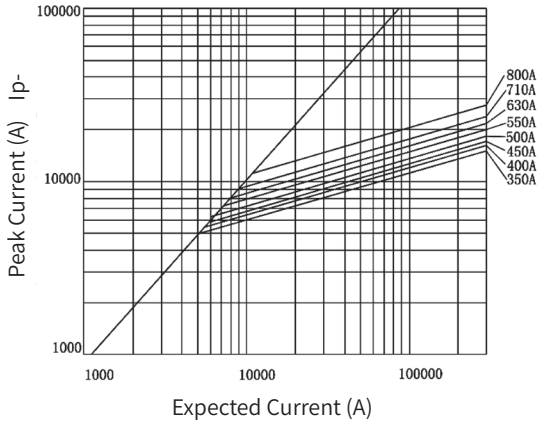
Model No.	Size	Ue (V)	In (A)	I²t (A²S) Pre-Arcing	I²t (A²S) Fusing	0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
DNT2-O1N-350A/1000V AC	2	1000	350	16500	99000	15	47	80	935±3%	M10 21±1N.m
DNT2-O1N-400A/1000V AC	2		400	26000	155000	16	50	85		
DNT2-O1N-450A/1000V 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





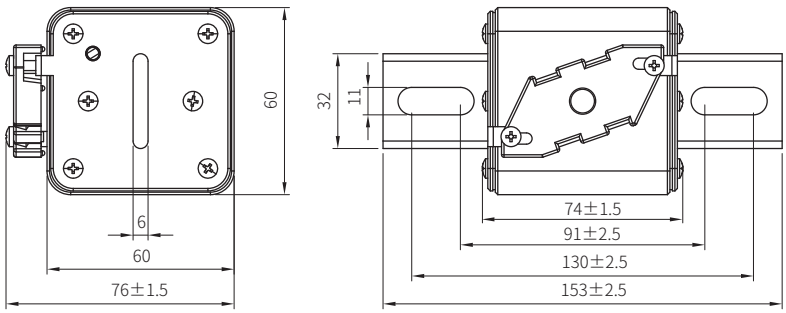
DNT2-O1R
Fuse for Semiconductor Equipment Protection

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

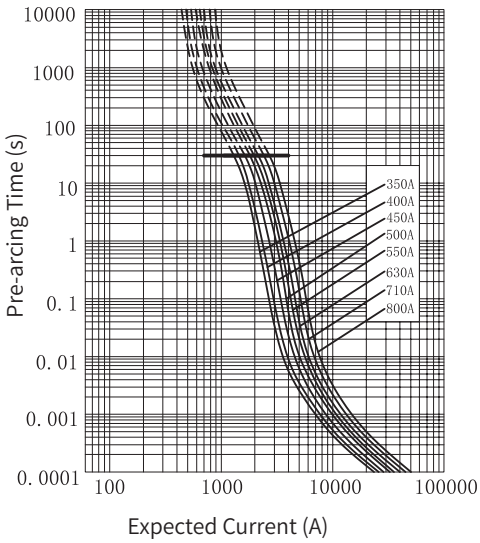
Product parameter

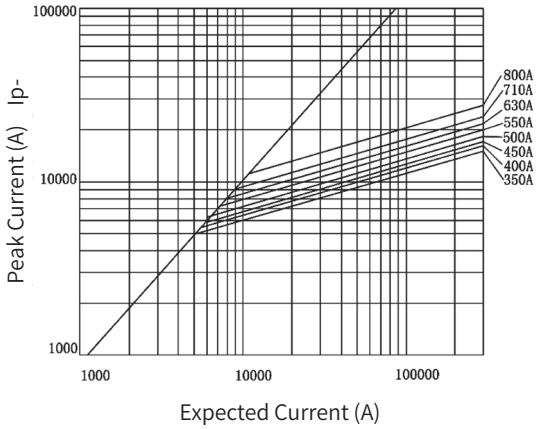
Model No.	Size	Ue (V)	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT2-O1R-350A/1000V AC	2	1000	350	16500	99000	15	47	80	945±3%	M10 21±1N.m
DNT2-O1R-400A/1000V AC	2		400	26000	155000	16	50	85		
DNT2-O1R-450A/1000V 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





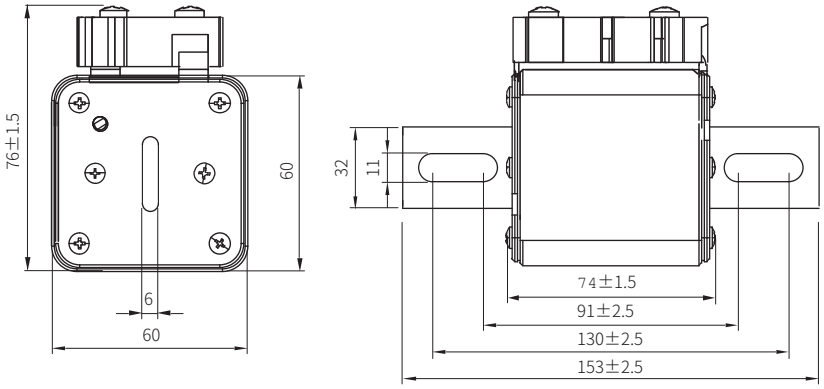
DNT2-O1L
Fuse for Semiconductor Equipment Protection

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

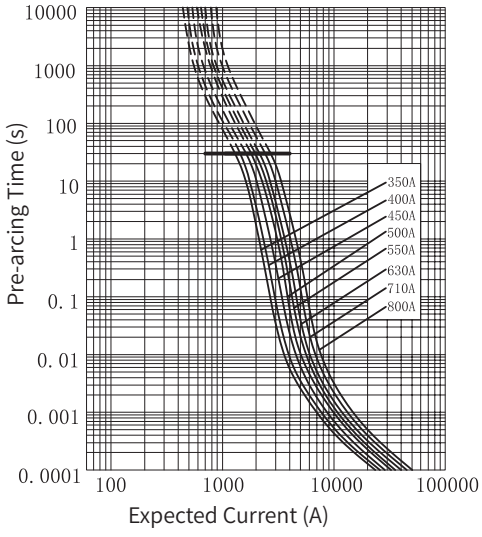
Product parameter

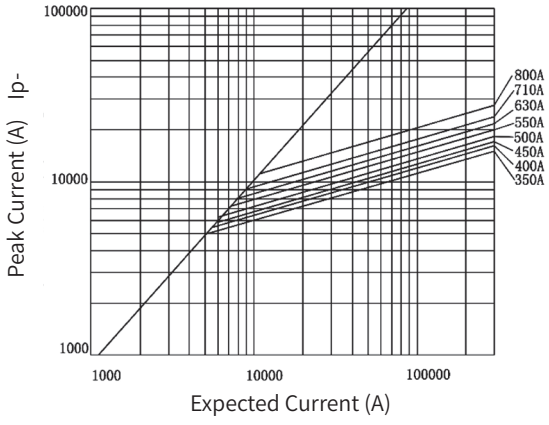
Model No.	Size	Ue (V)	In (A)	I²t (A²S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT2-O1L-350A/1000V AC	2	1000	350	16500	99000	15	47	80	945±3%	M10 21±1N.m
DNT2-O1L-400A/1000V AC	2		400	26000	155000	16	50	85		
DNT2-O1L-450A/1000V 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





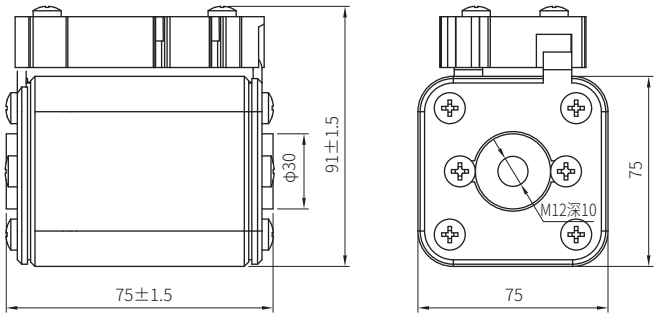
DNT3-O1J
Fuse for Semiconductor Equipment Protection

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

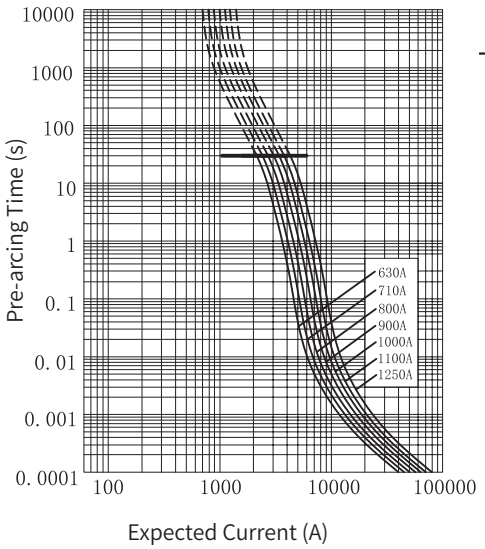
Product parameter

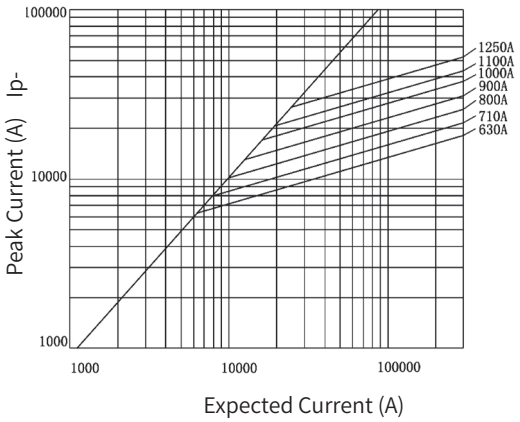
Model No.	Size	Ue (V)	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT3-O1J-630A/1000V AC	3	1000	630	83500	490000	23	81	120	1150±3%	M12 38±1N.m
DNT3-O1J-710A/1000V AC	3		710	115000	700000	24	84	125		
DNT3-O1J-800A/1000V AC	3		800	170000	1050000	26	80	135		
DNT3-O1J-900A/1000V AC	3		900	250000	1500000	27	85	145		
DNT3-O1J-1000A/1000V AC	3		1000	340000	2050000	28.5	88.5	150		
DNT3-O1J-1100A/1000V AC	3		1100	460000	2750000	29	91	155		
DNT3-O1J-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.

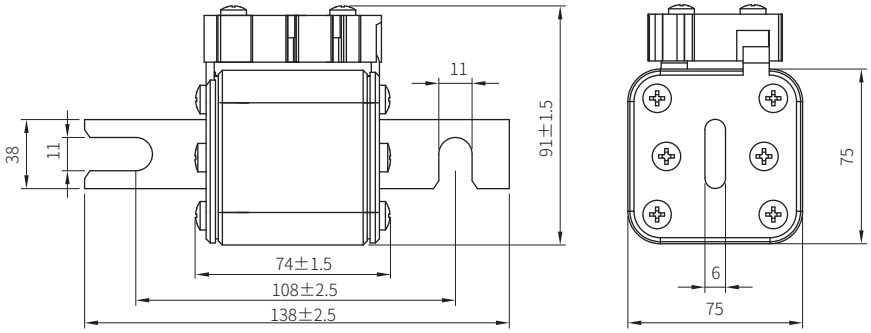
DNT3-O1N
Fuse for Semiconductor Equipment Protection

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

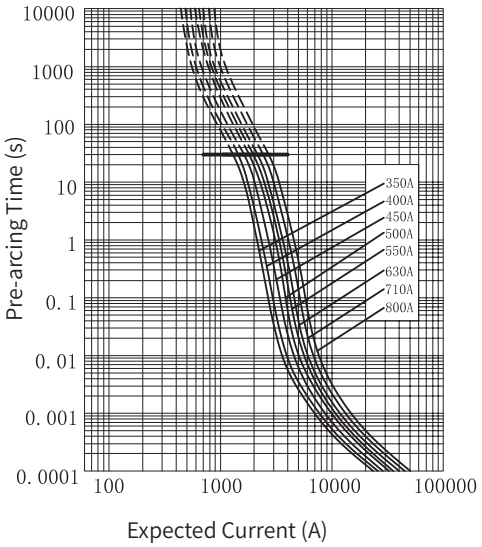
Product parameter

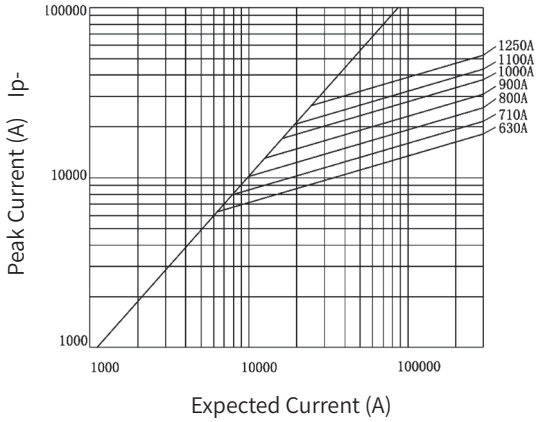
Model No.	Size	Ue (V)	In (A)	I²t (A²S) Pre-Arcing	I²t (A²S) Fusing	0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
DNT3-O1N-630A/1000V AC	3	1000	630	83500	490000	23	81	120	1230±3%	M10 21±1N.m
DNT3-O1N-710A/1000V AC	3		710	115000	700000	24	84	125		
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





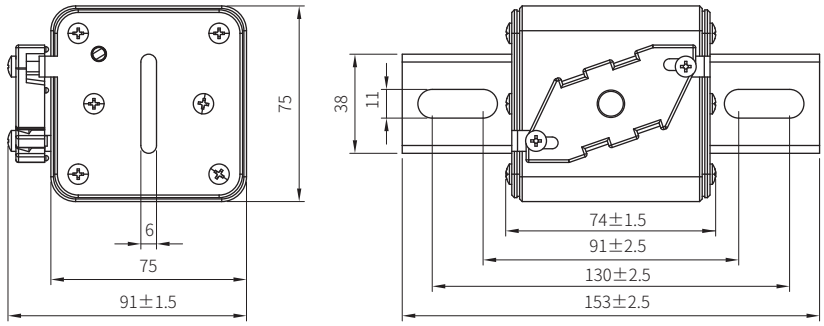
DNT3-O1R
Fuse for Semiconductor Equipment Protection

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

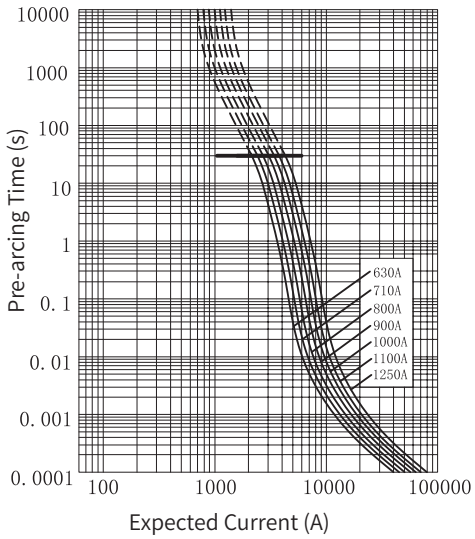
Product parameter

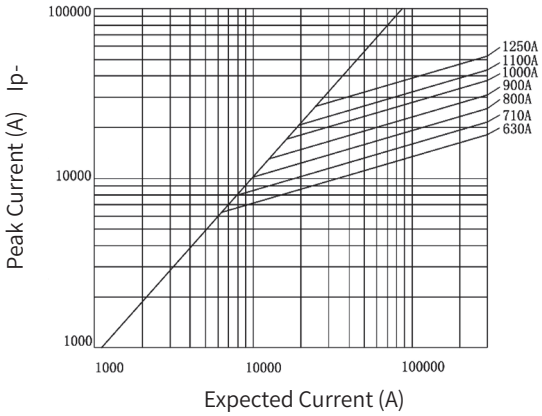
Model No.	Size	Ue (V)	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
				Pre-Arcing	Fusing					
DNT3-O1R-630A/1000V AC	3	1000	630	83500	490000	23	81	120	1250±3%	M10 21±1N.m
DNT3-O1R-710A/1000V AC	3		710	115000	700000	24	84	125		
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





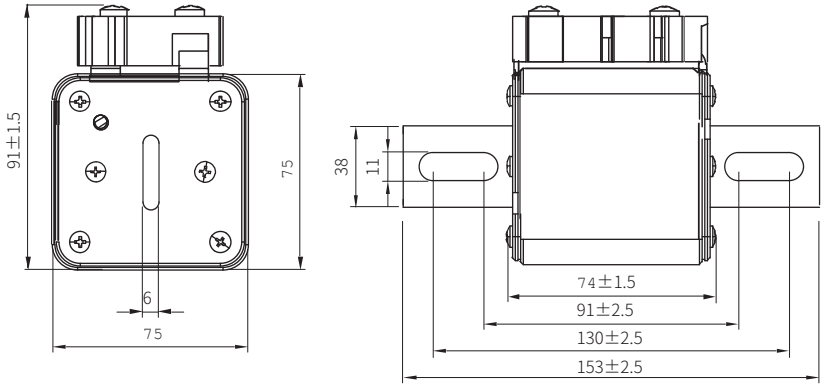
DNT3-O1L
Fuse for Semiconductor Equipment Protection

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

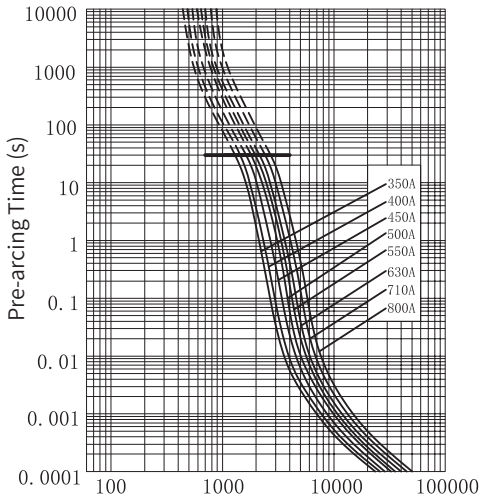
Product parameter

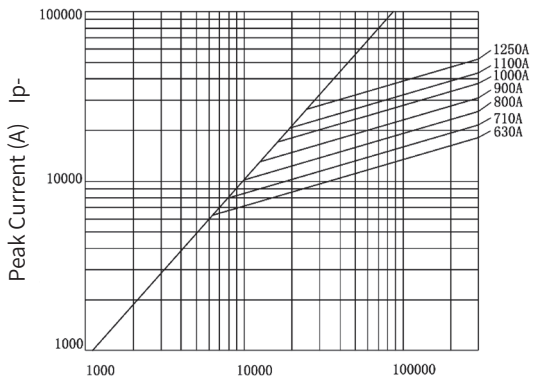
Model No.	Size	Ue (V)	In (A)	I²t (A²S) Pre-Arcing	I²t (A²S) Fusing	0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
DNT3-O1L-630A/1000V AC	3	1000	630	83500	490000	23	81	120	1250±3%	M10 21±1N.m
DNT3-O1L-710A/1000V AC	3		710	115000	700000	24	84	125		
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

DN T □ - R 1 □

- □ : Installation form code : N-hook type, L-spiral connection type, R-spiral connection type(90°), J-contact type (flat type).
- 1 : Breaking range and use category code
- R : Design serial number
- □ : Size
- T : Ceramic square tube low-voltage fuse
- DN : Enterprise Code

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

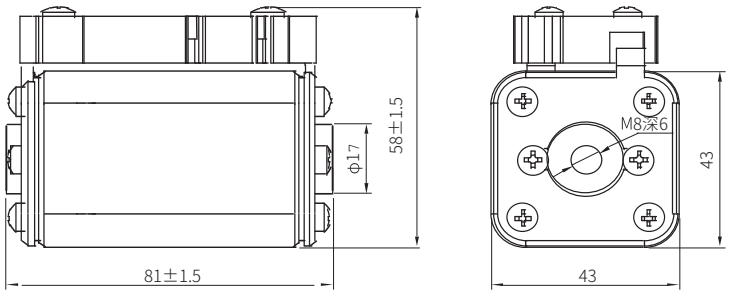
DNT01-R1J
Fuse for Semiconductor Equipment Protection

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

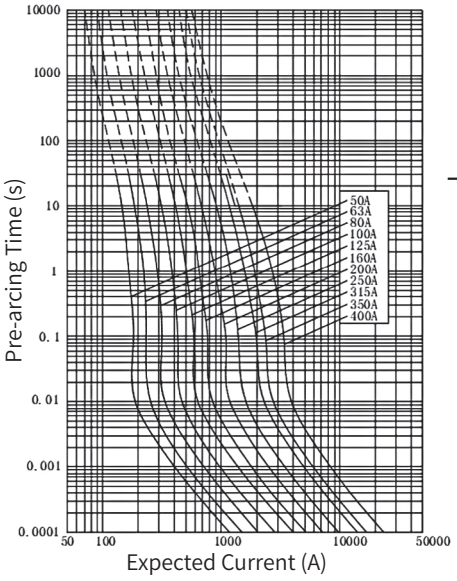
Product parameter

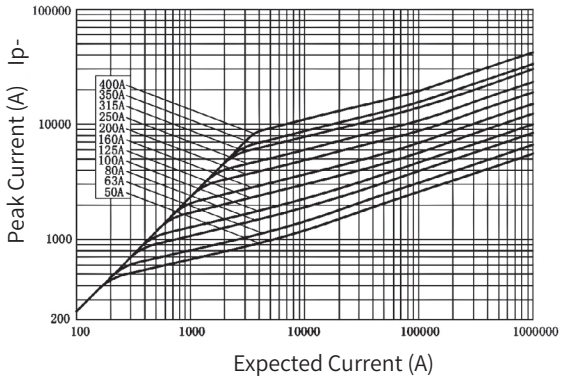
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT01-R1J-50A/1250V AC	01	50	135	1100	4	8	14	450±3%	M8 10±1N.m
DNT01-R1J-63A/1250V AC	01	63	215	1750	6	11	20		
DNT01-R1J-80A/1250V AC	01	80	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.

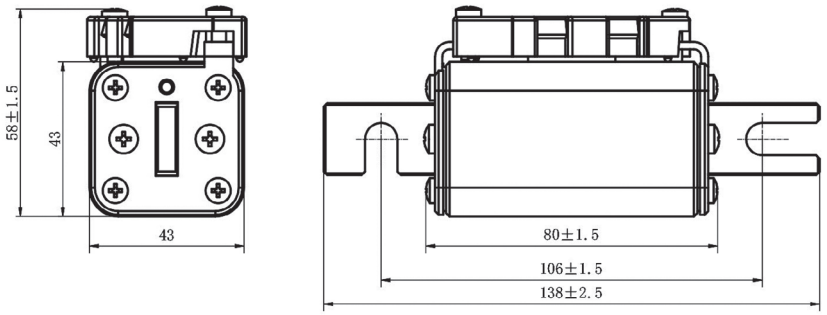
DNT01-R1N
Fuse for Semiconductor Equipment Protection

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

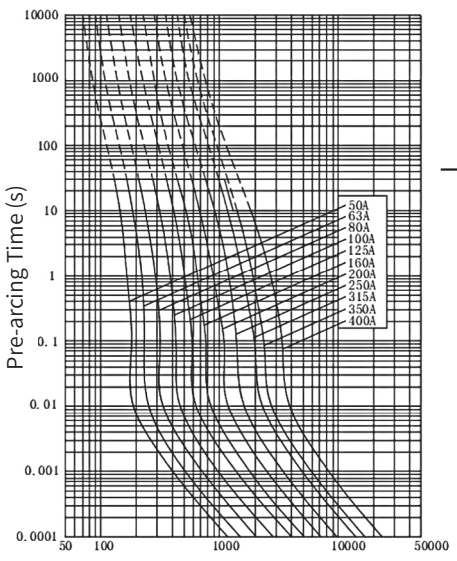
Product parameter

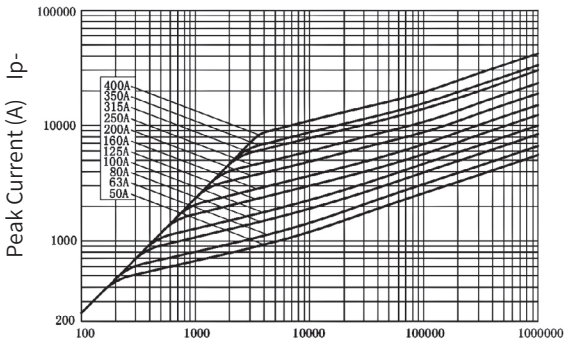
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT01-R1N-50A/1250V AC	01	50	135	1100	4	8	14	473±3%	M8 11±1N.m
DNT01-R1N-63A/1250V AC	01	63	215	1750	6	11	20		
DNT01-R1N-80A/1250V AC	01	80	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





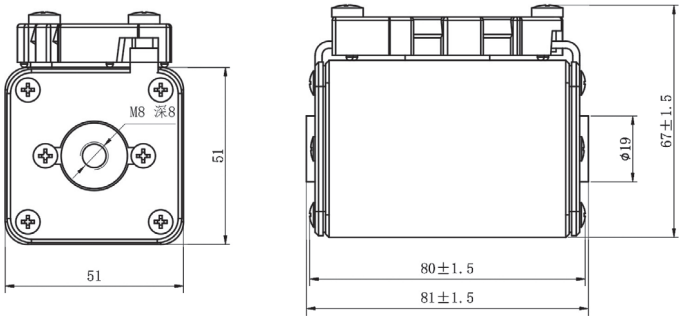
DNT1-R1J
Fuse for Semiconductor Equipment Protection

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

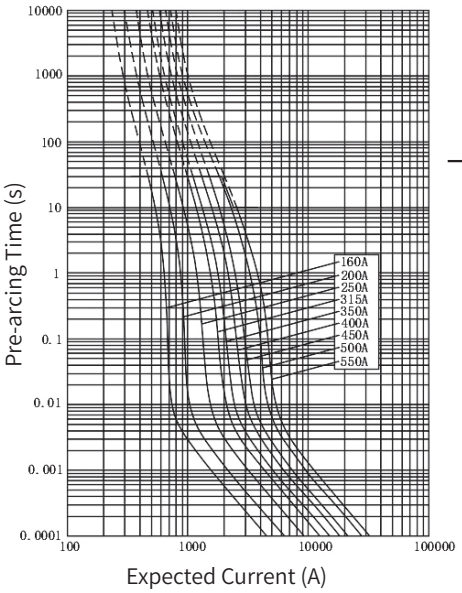
Product parameter

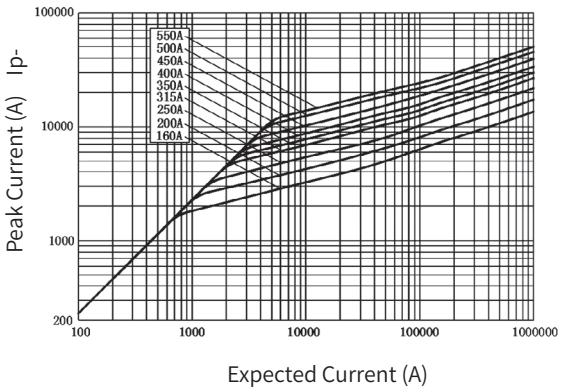
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1J-160A/1250V AC	1	160	5000	16500	16	28	52	673±3%	M8 10±1N.m
DNT1-R1J-200A/1250V AC	1	200	8500	27500	19	34	62		
DNT1-R1J-250A/1250V AC	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.

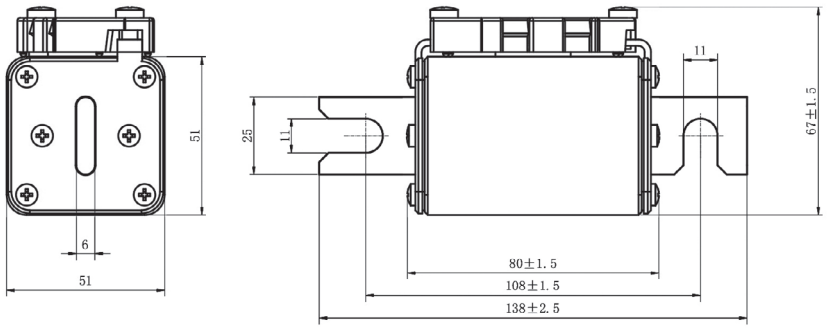
DNT1-R1N
Fuse for Semiconductor Equipment Protection

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

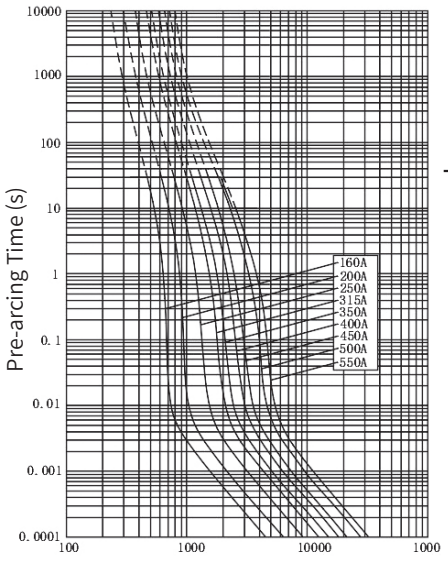
Product parameter

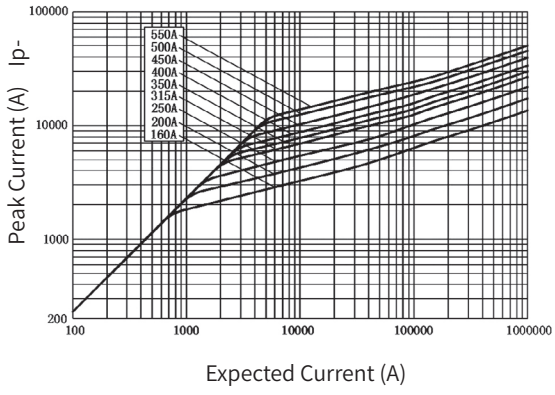
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1N-160A/1250V AC	1	160	5000	16500	16	28	52	691±3%	M10 21±1N.m
DNT1-R1N-200A/1250V AC	1	200	8500	27500	19	34	62		
DNT1-R1N-250A/1250V 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





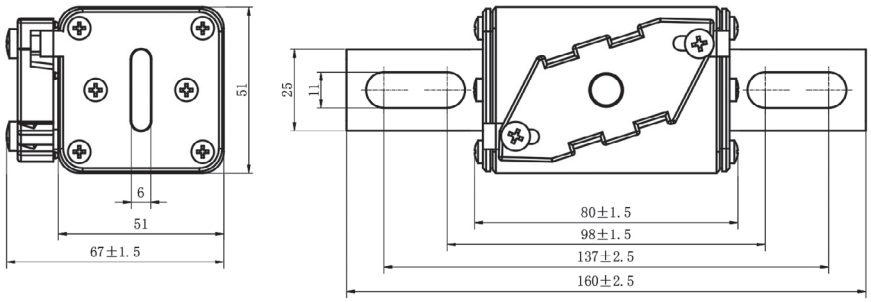
DNT1-R1R
Fuse for Semiconductor Equipment Protection

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

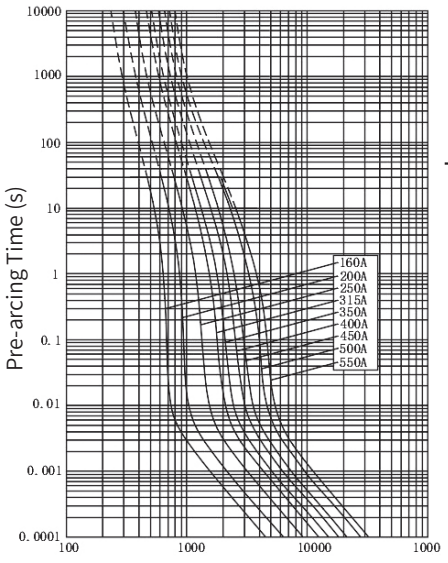
Product parameter

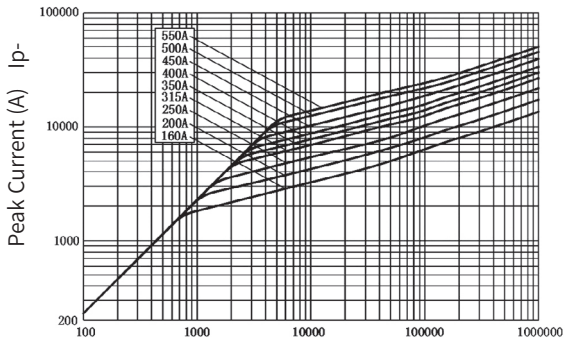
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1R-160A/1250V AC	1	160	5000	16500	16	28	52	711±3%	M10 21±1N.m
DNT1-R1R-200A/1250V AC	1	200	8500	27500	19	34	62		
DNT1-R1R-250A/1250V 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





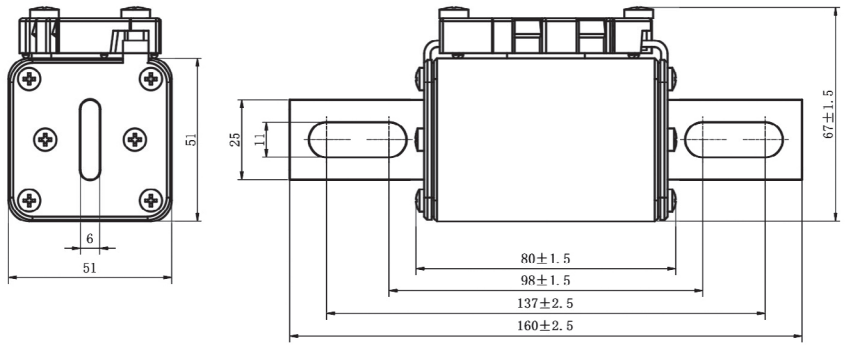
DNT1-R1L
Fuse for Semiconductor Equipment Protection

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

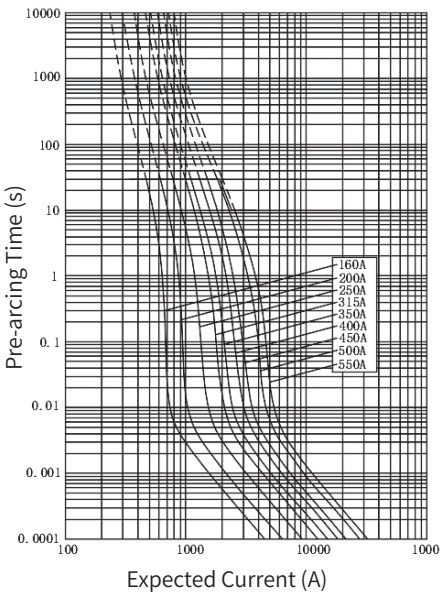
Product parameter

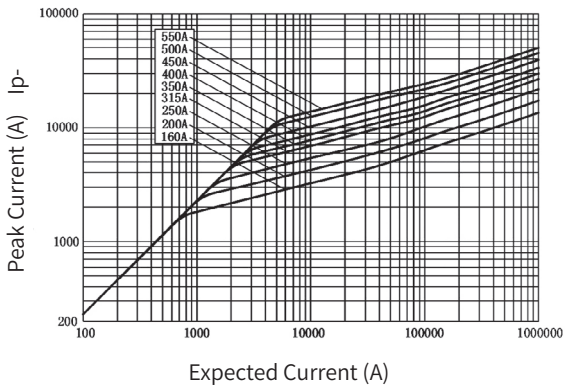
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT1-R1L-160A/1250V AC	1	160	5000	16500	16	28	52	711±3%	M10 21±1N.m
DNT1-R1L-200A/1250V AC	1	200	8500	27500	19	34	62		
DNT1-R1L-250A/1250V 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





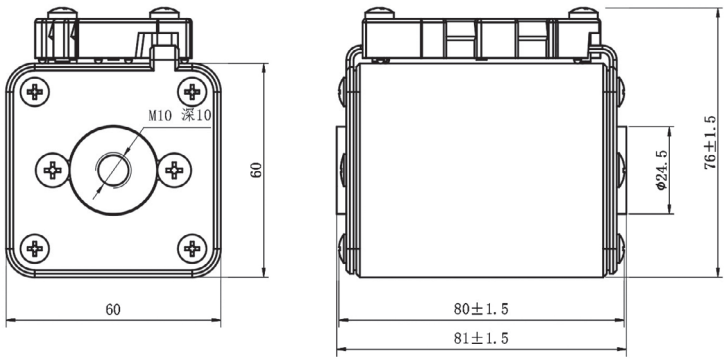
DNT2-R1J
Fuse for Semiconductor Equipment Protection

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

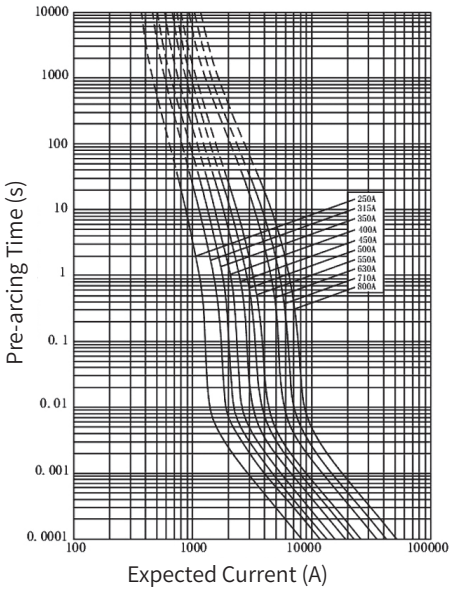
Product parameter

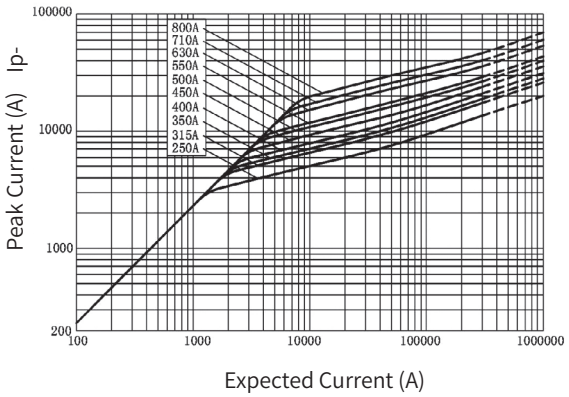
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1J-250A/1250V AC	2	250	11000	52000	24	44	80	910±3%	M10 21±1N.m
DNT2-R1J-315A/1250V AC	2	315	20000	94000	29	52	96		
DNT2-R1J-350A/1250V 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.

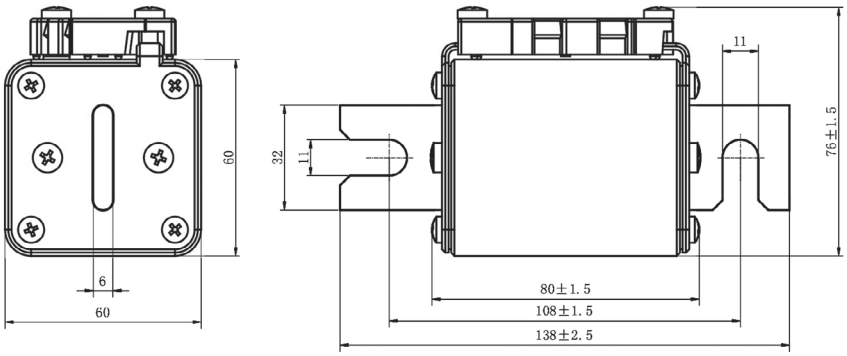
DNT2-R1N
Fuse for Semiconductor Equipment Protection

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

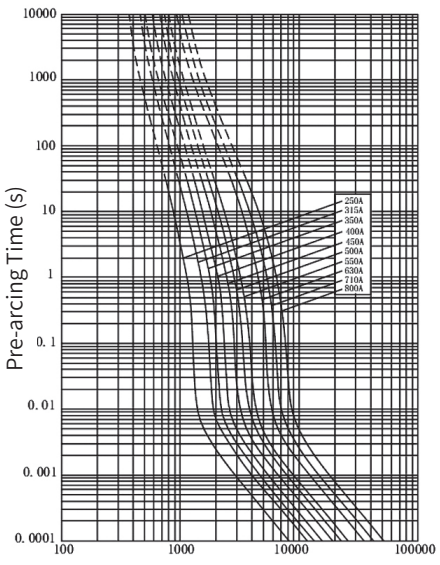
Product parameter

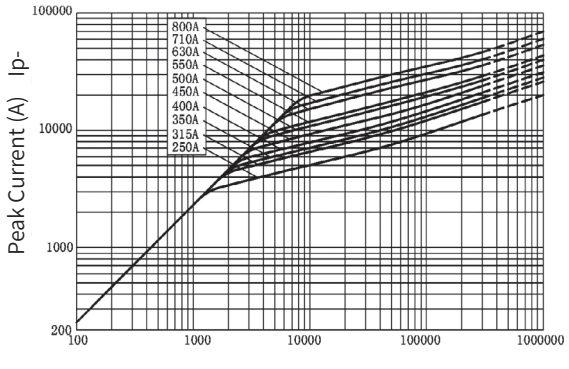
Model No.	Size	In (A)	I²t (A²S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1N-250A/1250V AC	2	250	11000	52000	24	44	80	930±3%	M10 21±1N.m
DNT2-R1N-315A/1250V AC	2	315	20000	94000	29	52	96		
DNT2-R1N-350A/1250V 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





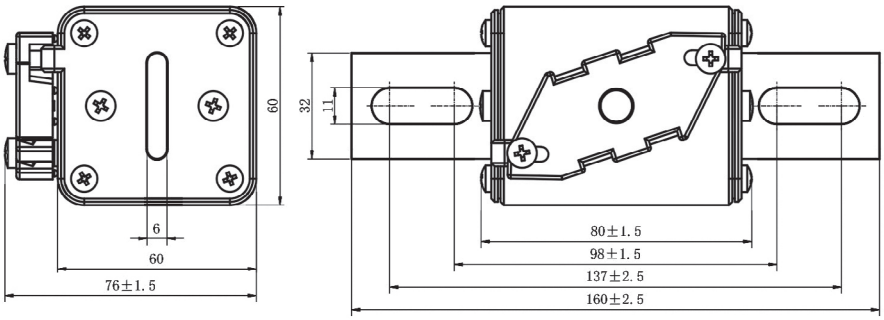
DNT2-R1R
Fuse for Semiconductor Equipment Protection

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

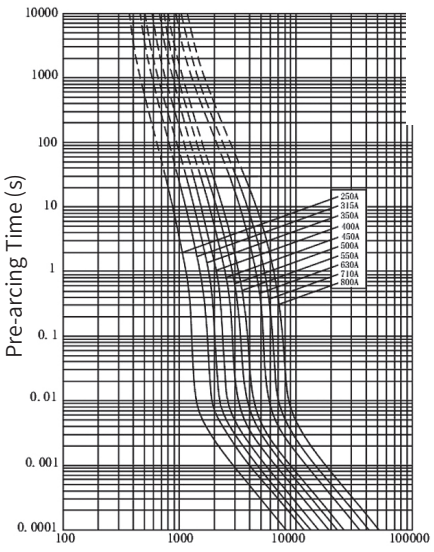
Product parameter

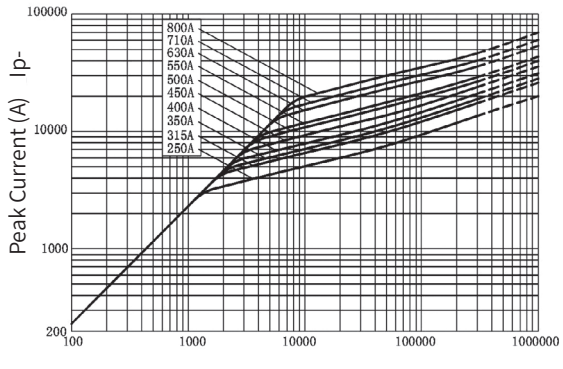
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1R-250A/1250V AC	2	250	11000	52000	24	44	80	960±3%	M10 21±1N.m
DNT2-R1R-315A/1250V AC	2	315	20000	94000	29	52	96		
DNT2-R1R-350A/1250V 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





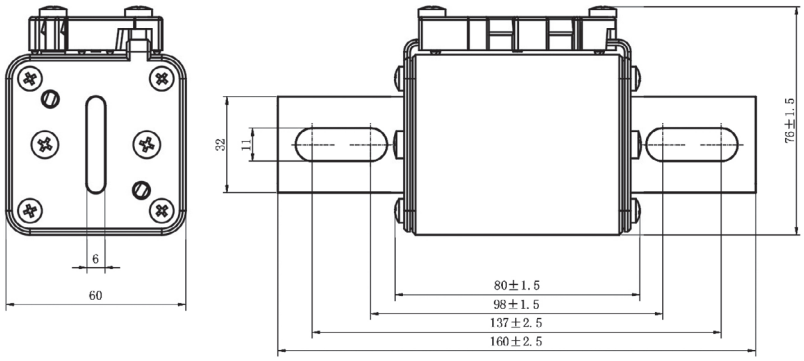
DNT2-R1L
Fuse for Semiconductor Equipment Protection

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

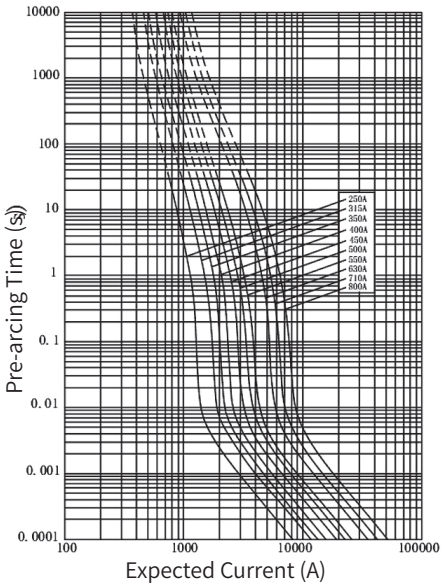
Product parameter

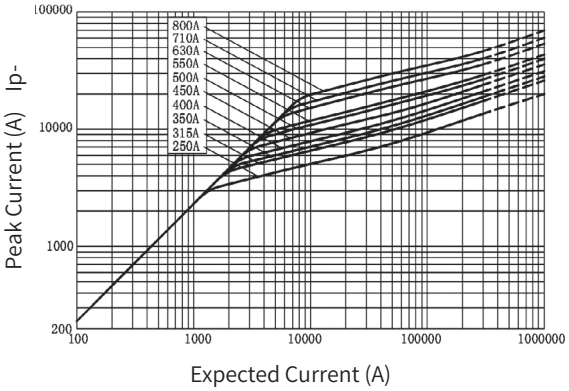
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT2-R1L-250A/1250V AC	2	250	11000	52000	24	44	80	960±3%	M10 21±1N.m
DNT2-R1L-315A/1250V AC	2	315	20000	94000	29	52	96		
DNT2-R1L-350A/1250V 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





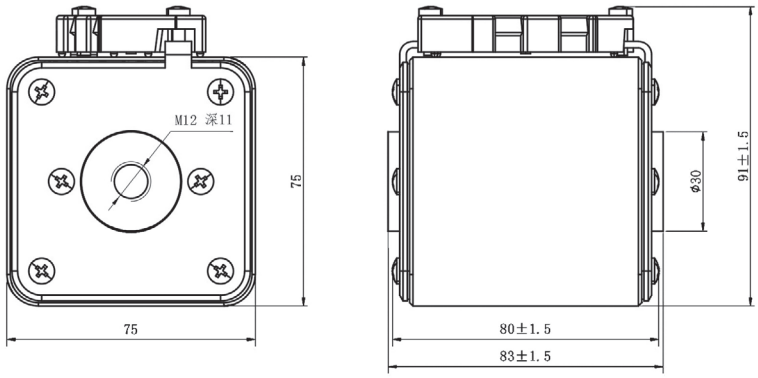
DNT3-R1J
Fuse for Semiconductor Equipment Protection

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

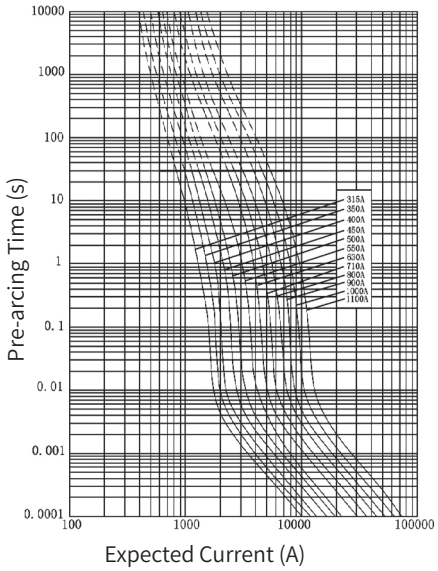
Product parameter

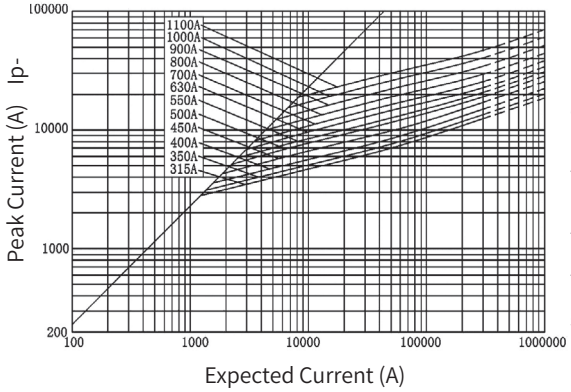
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1J-315A/1250V AC	3	315	13500	41100	29	53	97	1275±3%	M12 38±1N.m
DNT3-R1J-350A/1250V AC	3	350	17800	54100	32	58	107		
DNT3-R1J-400A/1250V 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.

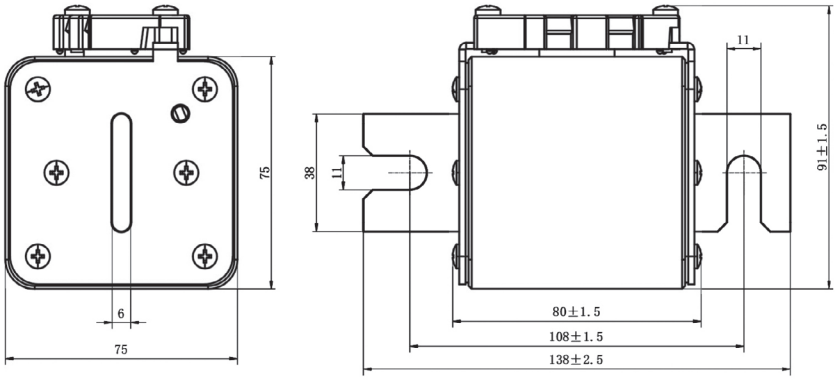
DNT3-R1N
Fuse for Semiconductor Equipment Protection

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

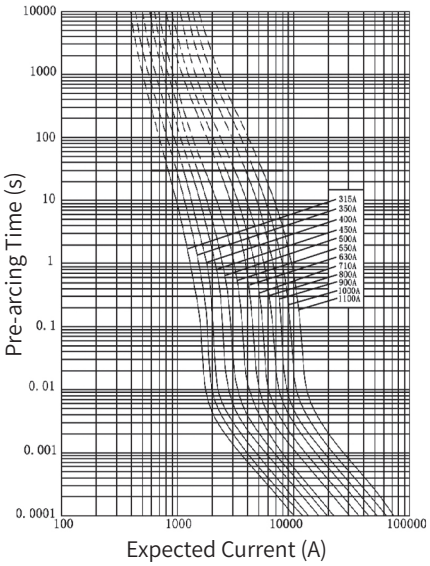
Product parameter

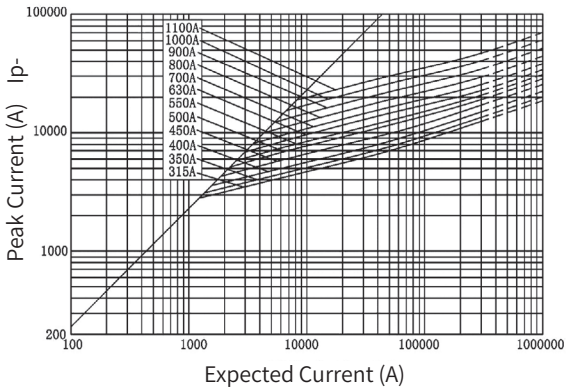
Model No.	Size	In (A)	I²t (A²S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1N-315A/1250V AC	3	315	13500	41100	29	53	97	1320±3%	M10 21±1N.m
DNT3-R1N-350A/1250V AC	3	350	17800	54100	32	58	107		
DNT3-R1N-400A/1250V 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





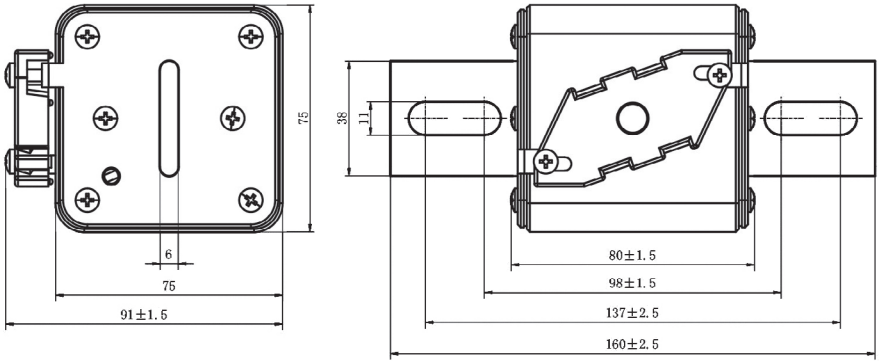
DNT3-R1R
Fuse for Semiconductor Equipment Protection

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

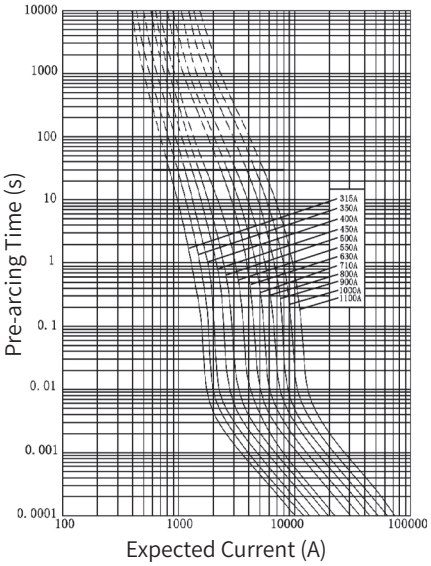
Product parameter

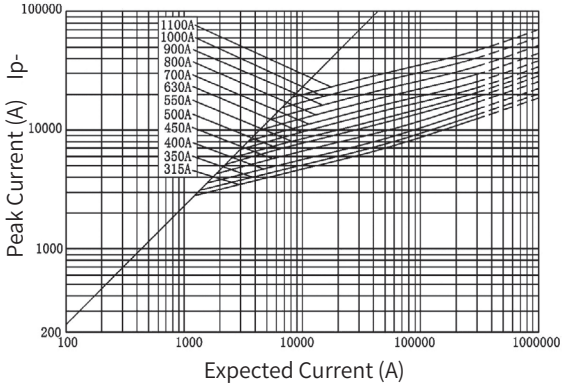
Model No.	Size	In (A)	I²t (A²S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1R-315A/1250V AC	3	315	13500	41100	29	53	97	1340±3%	M10 21±1N.m
DNT3-R1R-350A/1250V AC	3	350	17800	54100	32	58	107		
DNT3-R1R-400A/1250V 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





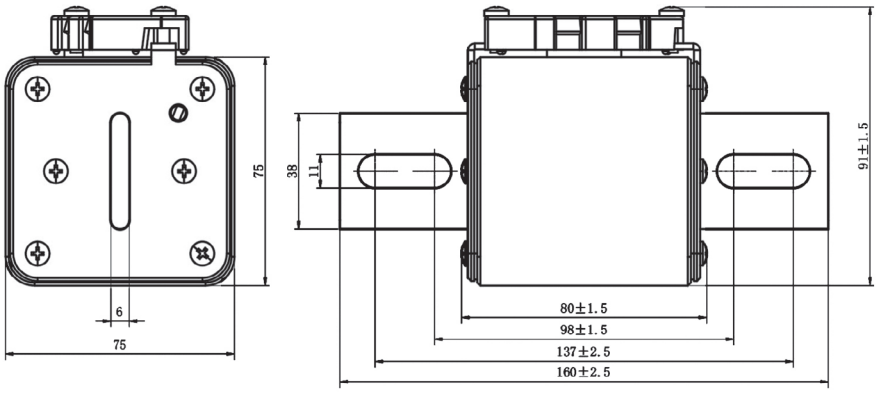
DNT3-R1L
Fuse for Semiconductor Equipment Protection

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

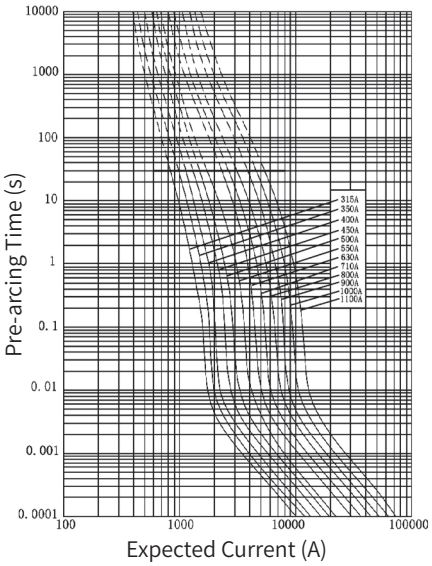
Product parameter

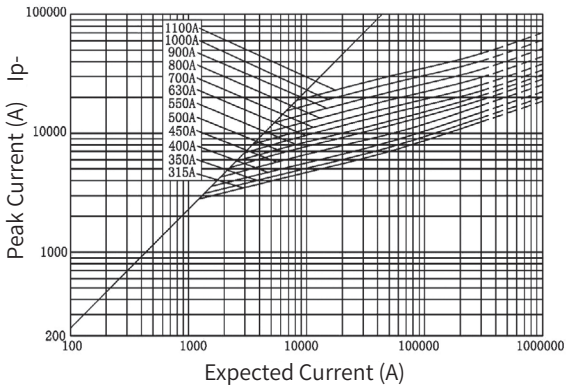
Model No.	Size	In (A)	I^2t (A^2S)		0.5In Power dissipation(W)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Mounting
			Pre-Arcing	Fusing					
DNT3-R1L-315A/1250V AC	3	315	13500	41100	29	53	97	1340±3%	M10 21±1N.m
DNT3-R1L-350A/1250V AC	3	350	17800	54100	32	58	107		
DNT3-R1L-400A/1250V 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





NGT
Fuse for Semiconductor Equipment Protection

Product Description

This series of fuses for semiconductor equipment protection is suitable for AC systems with rated voltages of 400V, 690V, and 1000V. They are used for short-circuit protection of semiconductor components and their associated complete sets of equipment.

Model and meaning

NGT □ □ - □ / □

- Rated Current
- Rated Voltage
- Internal Size Code
- Structure Code: C: Plug-in connection; None: Bolt connection
- Product Model

Normal working conditions

1. Ambient Air Temperature: The ambient air temperature Ta 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:
NGT series fuses for semiconductor equipment protection should specify the model, rated current, rated voltage, and quantity.
Example: NGT3-1000/630A, 10 pieces

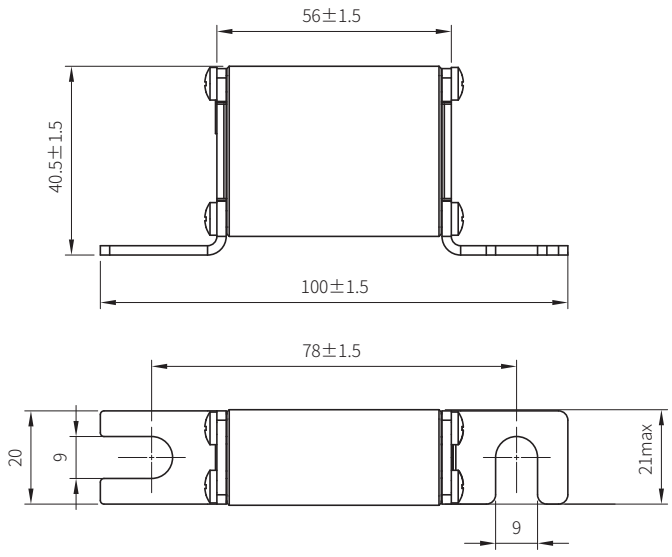
NGT000
Fuse for Semiconductor Equipment Protection

Rated Voltage	690V AC
Rated Current	10~315A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4 IEC 60269-4
Certification Marks	CCC CE TUV

Product parameter

Model No.	Size	Rated Voltage V	Rated Current A	Rated Breaking Capacity kA
NGT000-10A	000	690	10	100
NGT000-16A			16	
NGT000-20A			20	
NGT000-25A			25	
NGT000-32A			32	
NGT000-40A			40	
NGT000-50A			50	
NGT000-63A			63	
NGT000-80A			80	
NGT000-100A			100	
NGT000-125A			125	
NGT000-160A			160	
NGT000-200A			200	
NGT000-250A			250	
NGT000-315A			315	

Overall dimensions (mm)



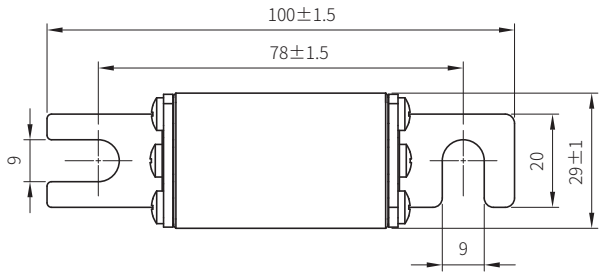
NGT00
Fuse for Semiconductor Equipment Protection

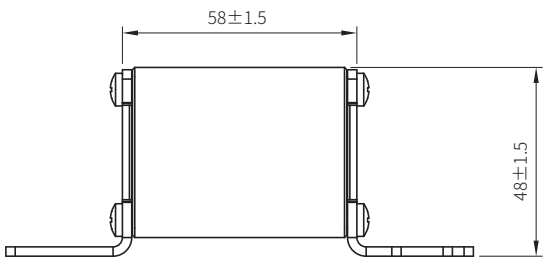
Rated Voltage	400V AC/690V AC/800V AC
Rated Current	10~160A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4 IEC 60269-4
Certification Marks	CCC CE

Product parameter

Model No.	Size	Rated Voltage V	Rated Current A	Rated Breaking Capacity kA
NGT00-400/10A	00	400	10	100
NGT00-400/16A			16	
NGT00-400/20A			20	
NGT00-400/25A			25	
NGT00-400/32A			32	
NGT00-400/40A			40	
NGT00-400/50A			50	
NGT00-400/63A			63	
NGT00-400/80A			80	
NGT00-400/100A			100	
NGT00-400/125A			125	
NGT00-400/160A			160	
NGT00-690/10A	00	690	10	100
NGT00-690/16A			16	
NGT00-690/20A			20	
NGT00-690/25A			25	
NGT00-690/32A			32	
NGT00-690/40A			40	
NGT00-690/50A			50	
NGT00-690/63A			63	
NGT00-690/80A			80	
NGT00-690/100A			100	
NGT00-690/125A			125	
NGT00-690/160A			160	
NGT00-800/10A	00	800	10	100
NGT00-800/16A			16	
NGT00-800/20A			20	
NGT00-800/25A			25	
NGT00-800/32A			32	
NGT00-800/40A			40	
NGT00-800/50A			50	
NGT00-800/63A			63	
NGT00-800/80A			80	
NGT00-800/100A			100	
NGT00-800/125A			125	
NGT00-800/160A			160	

Overall dimensions (mm)





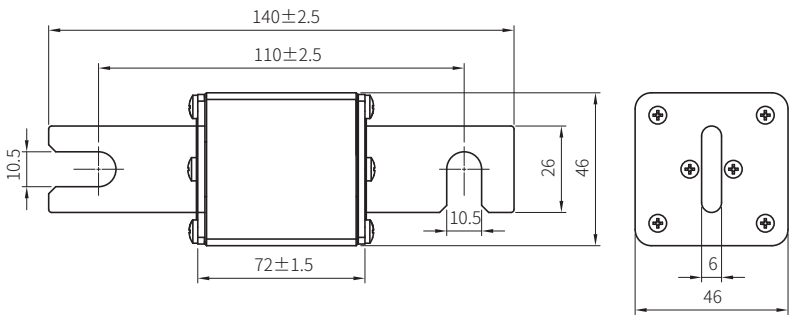
NGT1
Fuse for Semiconductor Equipment Protection

Rated Voltage	400V AC,690V AC,1000V AC
Rated Current	63~250A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4 IEC 60269-4
Certification Marks	CCC CE

Product parameter

Model No.	Size	Rated Voltage V	Rated Current A	Rated Breaking Capacity kA
NGT1-400/63A	1	400	63	100
NGT1-400/80A			80	
NGT1-400/100A			100	
NGT1-400/125A			125	
NGT1-400/160A			160	
NGT1-400/200A			200	
NGT1-400/250A			250	
NGT1-690/63A	1	690	63	100
NGT1-690/80A			80	
NGT1-690/100A			100	
NGT1-690/125A			125	
NGT1-690/160A			160	
NGT1-690/200A			200	
NGT1-690/250A			250	
NGT1-1000/63A	1	1000	63	100
NGT1-1000/80A			80	
NGT1-1000/100A			100	
NGT1-1000/125A			125	
NGT1-1000/160A			160	
NGT1-1000/200A			200	
NGT1-1000/250A			250	

Overall dimensions (mm)



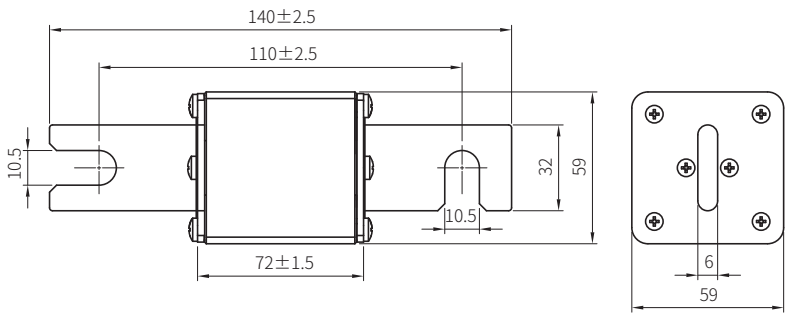
NGT2
Fuse for Semiconductor Equipment Protection

Rated Voltage	400V AC,690V AC,1000V AC
Rated Current	160~400A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4 IEC 60269-4
Certification Marks	CCC CE

Product parameter

Model No.	Size	Rated Voltage V	Rated Current A	Rated Breaking Capacity kA
NGT2-400/160A	2	400	160	100
NGT2-400/200A			200	
NGT2-400/250A			250	
NGT2-400/280A			280	
NGT2-400/315A			315	
NGT2-400/355A			355	
NGT2-400/400A			400	
NGT2-690/160A	2	690	160	100
NGT2-690/200A			200	
NGT2-690/250A			250	
NGT2-690/280A			280	
NGT2-690/315A			315	
NGT2-690/355A			355	
NGT2-690/400A			400	
NGT2-1000/160A	1	1000	160	100
NGT2-1000/200A			200	
NGT2-1000/250A			250	
NGT2-1000/280A			280	
NGT2-1000/315A			315	
NGT1-1000/355A			355	
NGT1-1000/400A			400	

Overall dimensions (mm)



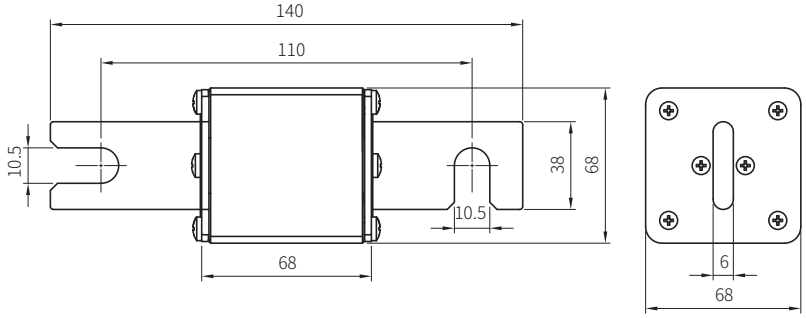
NGT3
Fuse for Semiconductor Equipment Protection

Rated Voltage	400V AC,690V AC,1000V AC
Rated Current	200~800A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4 IEC 60269-4
Certification Marks	CCC CE TUV

Product parameter

Model No.	Size	Rated Voltage V	Rated Current A	Rated Breaking Capacity kA
NGT3-400/200A	3	400	200	100
NGT3-400/250A			250	
NGT3-400/280A			280	
NGT3-400/315A			315	
NGT3-400/355A			355	
NGT3-400/400A			400	
NGT3-400/450A			450	
NGT3-400/500A			500	
NGT3-400/560A			560	
NGT3-400/630A			630	
NGT3-400/710A			710	
NGT3-400/800A			800	
NGT3-690/400A	3	690	400	100
NGT3-690/450A			450	
NGT3-690/500A			500	
NGT3-690/560A			560	
NGT3-690/630A			630	
NGT3-690/710A			710	
NGT3-690/800A			800	
NGT3-690/630A			630	
NGT3-690/710A			710	
NGT3-690/800A			800	
NGT3-1000/200A	3	1000	200	100
NGT3-1000/250A			250	
NGT3-1000/280A			280	
NGT3-1000/315A			315	
NGT3-1000/355A			355	
NGT3-1000/400A			400	
NGT3-1000/450A			450	
NGT3-1000/500A			500	
NGT3-1000/560A			560	
NGT3-1000/630A			630	

Overall dimensions (mm)



NGTC
Fuse for Semiconductor Equipment Protection

Product Description

This series of fuses for semiconductor equipment protection is suitable for AC systems with rated voltages of 400V, 690V, and 1000V. They are used for short-circuit protection of semiconductor components and their associated complete sets of equipment.

Model and meaning

NGT □ □ - □ / □

- Rated Current
- Rated Voltage
- Internal Sizing Code
- Structure Code: C: Plug-in connection; None: Bolted joints
- Product Model

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 specifications and models, rated current, rated voltage, and number of fuses used for the protection of NGTC series semiconductor equipment shall be specified.
For example: NGTC3-1000/630A 10pcs

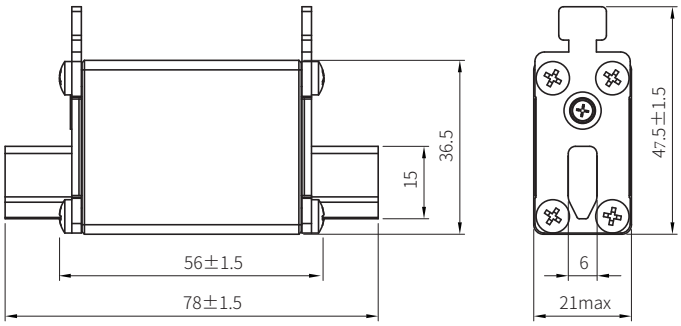
NGTC000
Fuse for Semiconductor Equipment Protection

Rated Voltage	690V AC
Rated Current	10~315A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4 IEC 60269-4
Certification Marks	CCC CE TUV

Product parameter

Model No.	Size	Rated Voltage V	Rated Current A	Rated Breaking Capacity kA
NGTC000-10A	000	690	10	100
NGTC000-16A			16	
NGTC000-20A			20	
NGTC000-25A			25	
NGTC000-32A			32	
NGTC000-40A			40	
NGTC000-50A			50	
NGTC000-63A			63	
NGTC000-80A			80	
NGTC000-100A			100	
NGTC000-125A			125	
NGTC000-160A			160	
NGTC000-200A			200	
NGTC000-250A			250	
NGTC000-315A			315	

Overall dimensions (mm)



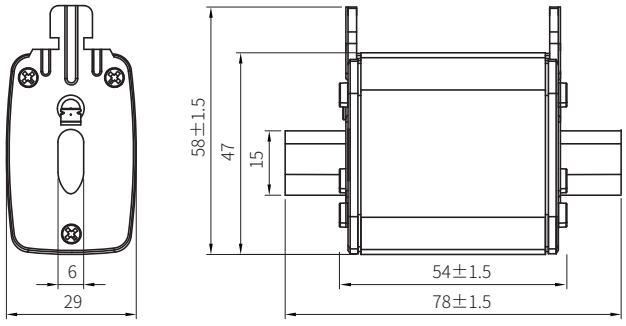
NGTC00
Fuse for Semiconductor Equipment Protection

Rated Voltage	400V AC,690V AC/ 800V AC
Rated Current	10~160A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4 IEC 60269-4
Certification Marks	CCC CE

Product parameter

Model No.	Size	Rated Voltage V	Rated Current A	Rated Breaking Capacity kA
NGTC00-400/10A	00	400	10	100
NGTC00-400/16A			16	
NGTC00-400/20A			20	
NGTC00-400/25A			25	
NGTC00-400/32A			32	
NGTC00-400/40A			40	
NGTC00-400/50A			50	
NGTC00-400/63A			63	
NGTC00-400/80A			80	
NGTC00-400/100A			100	
NGTC00-400/125A			125	
NGTC00-400/160A			160	
NGTC00-690/10A	00	800	10	100
NGTC00-690/16A			16	
NGTC00-690/20A			20	
NGTC00-690/25A			25	
NGTC00-690/32A			32	
NGTC00-690/40A			40	
NGTC00-690/50A			50	
NGTC00-690/63A			63	
NGTC00-690/80A			80	
NGTC00-690/100A			100	
NGTC00-690/125A			125	
NGTC00-690/160A			160	
NGTC00-800/10A	00	800	10	100
NGTC00-800/16A			16	
NGTC00-800/20A			20	
NGTC00-800/25A			25	
NGTC00-800/32A			32	
NGTC00-800/40A			40	
NGTC00-800/50A			50	
NGTC00-800/63A			63	
NGTC00-800/80A			80	
NGTC00-800/100A			100	
NGTC00-800/125A			125	
NGTC00-800/160A			160	

Overall dimensions (mm)



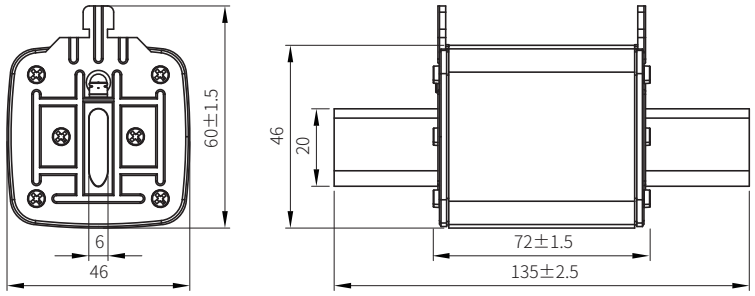
NGTC1
Fuse for Semiconductor Equipment Protection

Rated Voltage	400V AC, 690V AC, 1000V AC
Rated Current	63~250A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4 IEC 60269-4
Certification Marks	CCC CE

Product parameter

Model No.	Size	Rated Voltage V	Rated Current A	Rated Breaking Capacity kA
NGTC1-400/63A	1	400	63	100
NGTC1-400/80A			80	
NGTC1-400/100A			100	
NGTC1-400/125A			125	
NGTC1-400/160A			160	
NGTC1-400/200A			200	
NGTC1-400/250A			250	
NGTC1-690/63A	1	690	63	100
NGTC1-690/80A			80	
NGTC1-690/100A			100	
NGTC1-690/125A			125	
NGTC1-690/160A			160	
NGTC1-690/200A			200	
NGTC1-690/250A			250	
NGTC1-1000/63A	1	1000	63	100
NGTC1-1000/80A			80	
NGTC1-1000/100A			100	
NGTC1-1000/125A			125	
NGTC1-1000/160A			160	
NGTC1-1000/200A			200	
NGTC1-1000/250A			250	

Overall dimensions (mm)



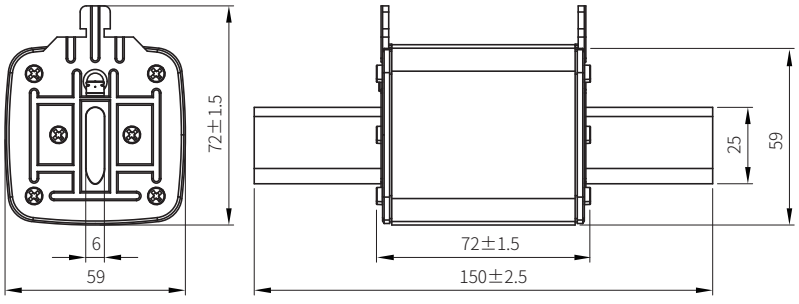
NGTC2
Fuse for Semiconductor Equipment Protection

Rated Voltage	400V AC, 690V AC, 1000V AC
Rated Current	160~400A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4 IEC 60269-4
Certification Marks	CCC CE

Product parameter

Model No.	Size	Rated Voltage V	Rated Current A	Rated Breaking Capacity kA
NGTC2-400/160A	2	400	160	100
NGTC2-400/200A			200	
NGTC2-400/250A			250	
NGTC2-400/280A			280	
NGTC2-400/315A			315	
NGTC2-400/355A			355	
NGTC2-400/400A			400	
NGTC2-690/160A	2	690	160	100
NGTC2-690/200A			200	
NGTC2-690/250A			250	
NGTC2-690/280A			280	
NGTC2-690/315A			315	
NGTC2-690/355A			355	
NGTC2-690/400A			400	
NGTC2-1000/160A	2	1000	160	100
NGTC2-1000/200A			200	
NGTC2-1000/250A			250	
NGTC2-1000/280A			280	
NGTC2-1000/315A			315	
NGTC2-1000/355A			355	
NGTC2-1000/400A			400	

Overall dimensions (mm)



NGTC3
Fuse for Semiconductor Equipment Protection

Rated Voltage	400V AC, 690V AC, 1000V AC
Rated Current	200~800A
Protection Category	aR
Breaking Capacity	100kA
Reference Standard	GB/T 13539.4 IEC 60269-4
Certification Marks	CCC CE TUV

Product parameter

Model No.	Size	Rated Voltage V	Rated Current A	Rated Breaking Capacity kA
NGTC3-400/200A	3	400	200	100
NGTC3-400/250A			250	
NGTC3-400/280A			280	
NGTC3-400/315A			315	
NGTC3-400/355A			355	
NGTC3-400/400A			400	
NGTC3-400/450A			450	
NGTC3-400/500A			500	
NGTC3-400/560A			560	
NGTC3-400/630A			630	
NGTC3-400/710A			710	
NGTC3-400/800A			800	
NGTC3-690/400A	3	690	400	100
NGTC3-690/450A			450	
NGTC3-690/500A			500	
NGTC3-690/560A			560	
NGTC3-690/630A			630	
NGTC3-690/710A			710	
NGTC3-690/800A			800	
NGTC3-690/630A			630	
NGTC3-690/710A			710	
NGTC3-690/800A			800	
NGTC3-1000/200A	3	1000	200	100
NGTC3-1000/250A			250	
NGTC3-1000/280A			280	
NGTC3-1000/315A			315	
NGTC3-1000/355A			355	
NGTC3-1000/400A			400	
NGTC3-1000/450A			450	
NGTC3-1000/500A			500	
NGTC3-1000/560A			560	
NGTC3-1000/630A			630	

Overall dimensions (mm)