

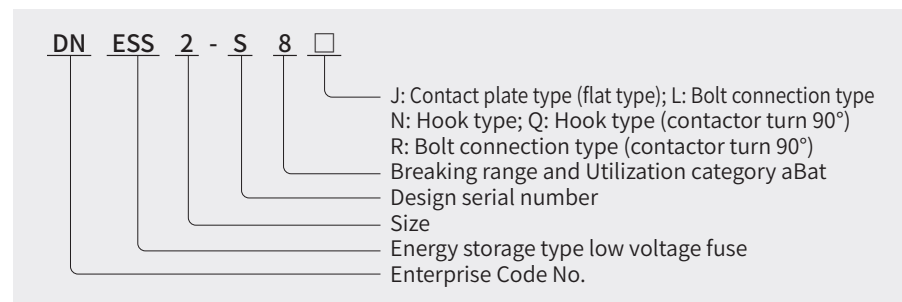
DNES2-S8□ Fuse for battery and battery system Protection



Product Description

DNES2-S8□ Fuse for battery and battery system protection, suitable for battery system, with rated voltage of DC1500V and rated current of 100A~630A, used for short circuit protection of battery and battery system.

Model No. and meaning



Operational condition

1. Working humidity range: At a maximum temperature of 40°C, the relative humidity does not exceed 50%. At a maximum temperature of 20°C, the relative humidity should not exceed 90%.
2. Normal operating temperature range: -5°C to 40°C. Permissible temperature range: -40°C to 80°C.
3. Altitude: no more than 2000m. When the altitude exceeds this value:
 - 1) The temperature rise of the fuse increases by about 0.5k for every 100 meters above sea level.
 - 2) For every 100 meters of elevation increase, the ambient temperature decreases by about 0.5 °C on average.
 - 3) Under normal circumstances, fuses used in open environments can ignore the effect of altitude on rated current and still be selected in accordance with standard conditions.
 - 4) For fuses used in closed environments, if the ambient air temperature of the box or the temperature inside the box does not decrease significantly with the elevation, it can still reach more than 40°C, it is necessary to reduce the rated current capacity. Fuse rated current selection formula:

$$I = I_n \times \left(1 - \frac{h-2000}{100} \times \frac{0.5}{100}\right)$$

DNESS2-S8J

Fuse for battery and battery system protection



Rated Voltage	DC 1500V
Rated Current	100A, 125A, 160A, 200A, 250A, 315A, 350A, 400A, 450A, 500, 550, 630A
Utilization category	aBat
Breaking capacity	250kA
Reference Standard	IEC 60269-7

Product parameter

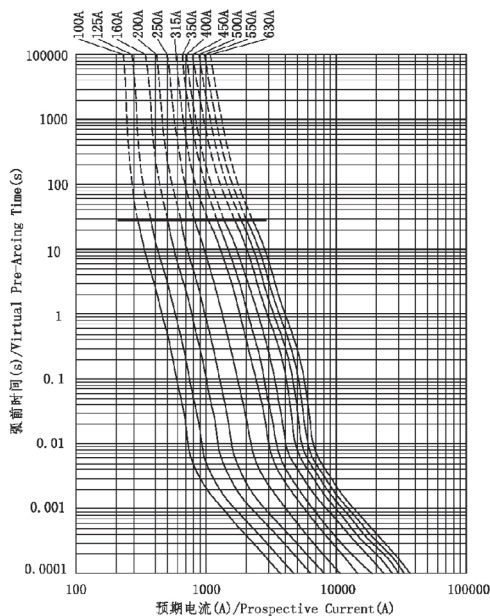
Specification and model	size	Rated voltage V	Rated current A	Rated breaking capacity kA	forearc I ² t kA ² s	fusing I ² t kA ² s	In Dissipated power W
DNESS2-S8J-100	2	DC 1500V	100	250kA	1.7	8.5	53
DNESS2-S8J-125			125		3.6	17	63
DNESS2-S8J-160			160		6	30	80
DNESS2-S8J-200			200		12	52	90
DNESS2-S8J-250			250		23	105	103
DNESS2-S8J-315			315		40	210	106
DNESS2-S8J-350			350		52	273	126
DNESS2-S8J-400			400		80	309	133
DNESS2-S8J-450			450		105	345	140
DNESS2-S8J-500			500		154	493	153
DNESS2-S8J-550			550		205	878	168
DNESS2-S8J-630			630		273	1170	198

Overall dimensions (mm)

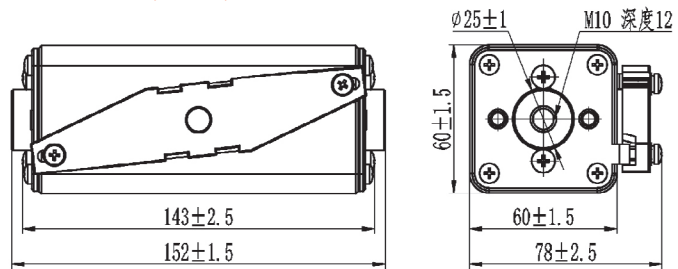
Installation method

Bolted contact plate type (flat type)

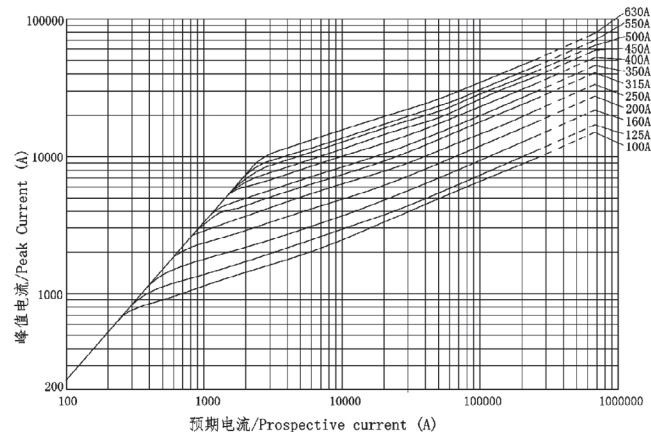
Time-current characteristic curve



Note: The deviation range of the time current curve is $\pm 10\%$ of the current



Cut-off current characteristic curve



Note: The deviation range of the truncated current curve is $\pm 10\%$ of the peak current

DNESS2-S8L

Fuse for battery and battery system protection

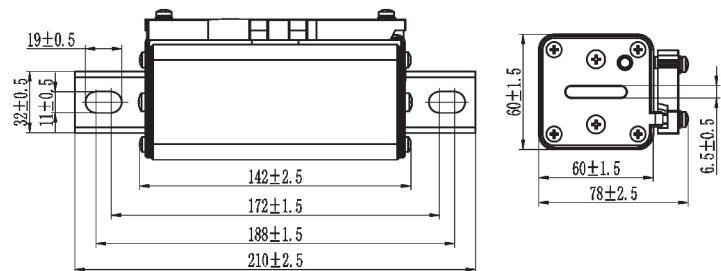


Rated Voltage	DC 1500V
Rated Current	100A, 125A, 160A, 200A, 250A, 315A, 350A, 400A, 450A, 500, 550, 630A
Protection Category	aBat
Breaking Capacity	250kA
Reference Standard	IEC 60269-7

Product parameter

Specification and model	size	Rated voltage V	Rated current A	Rated breaking capacity kA	forearc I ² t kA ² s	fusing I ² t kA ² s	In Dissipated power W
DNESS2-S8L-100	2	DC 1500V	100	250kA	1.7	8.5	53
DNESS2-S8L-125			125		3.6	17	63
DNESS2-S8L-160			160		6	30	80
DNESS2-S8L-200			200		12	52	90
DNESS2-S8L-250			250		23	105	103
DNESS2-S8L-315			315		40	210	106
DNESS2-S8L-350			350		52	273	126
DNESS2-S8L-400			400		80	309	133
DNESS2-S8L-450			450		105	345	140
DNESS2-S8L-500			500		154	493	153
DNESS2-S8L-550			550		205	878	168
DNESS2-S8L-630			630		273	1170	198

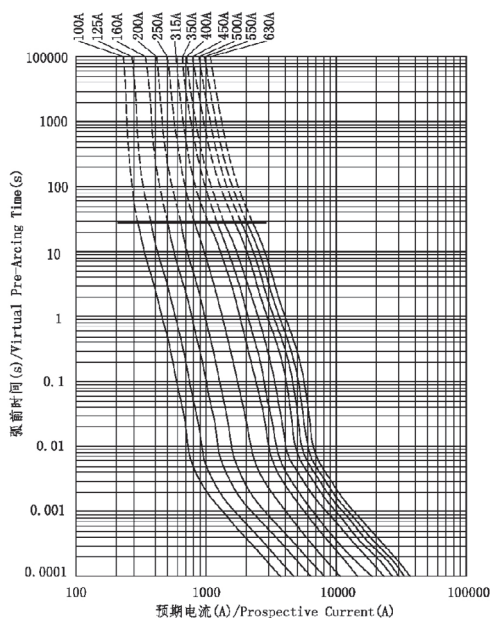
Overall dimensions (mm)



Installation method

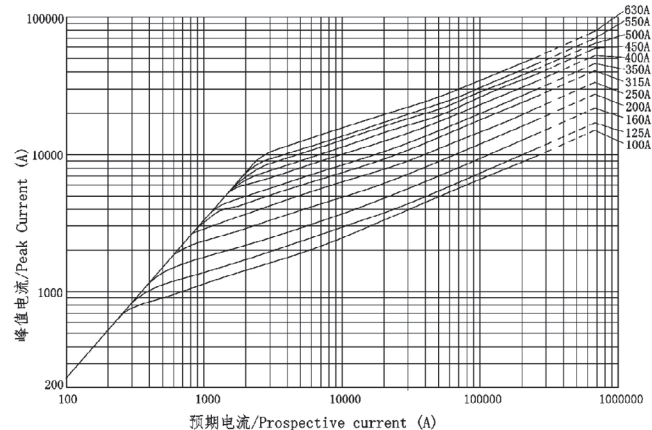
Bolted connection type

Time-current characteristic curve



Note: The deviation range of the time current curve is $\pm 10\%$ of the current

Cut-off current characteristic curve



Note: The deviation range of the truncated current curve is $\pm 10\%$ of the peak current

DNESS2-S8N

Fuse for battery and battery system protection

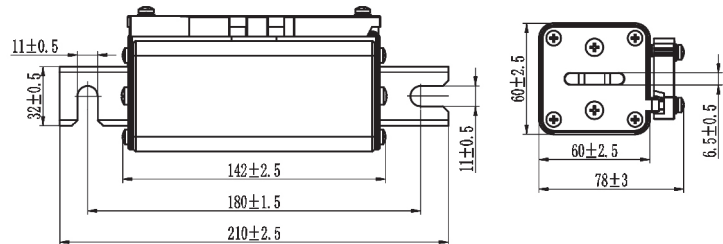


Rated Voltage	DC 1500V
Rated Current	100A, 125A, 160A, 200A, 250A, 315A, 350A, 400A, 450A, 500A, 550A, 630A
Protection Category	aBat
Breaking Capacity	DC 250kA
Reference Standard	IEC 60269-7

Product parameter

Specification and model	size	Rated voltage V	Rated current A	Rated breaking capacity kA	forearc I^2t kA ² s	fusing I^2t kA ² s	In Dissipated power W
DNESS2-S8N-100	2	DC 1500V	100	250kA	1.7	8.5	53
DNESS2-S8N-125			125		3.6	17	63
DNESS2-S8N-160			160		6	30	80
DNESS2-S8N-200			200		12	52	90
DNESS2-S8N-250			250		23	105	103
DNESS2-S8N-315			315		40	210	106
DNESS2-S8N-350			350		52	273	126
DNESS2-S8N-400			400		80	309	133
DNESS2-S8N-450			450		105	345	140
DNESS2-S8N-500			500		154	493	153
DNESS2-S8N-550			550		205	878	168
DNESS2-S8N-630			630		273	1170	198

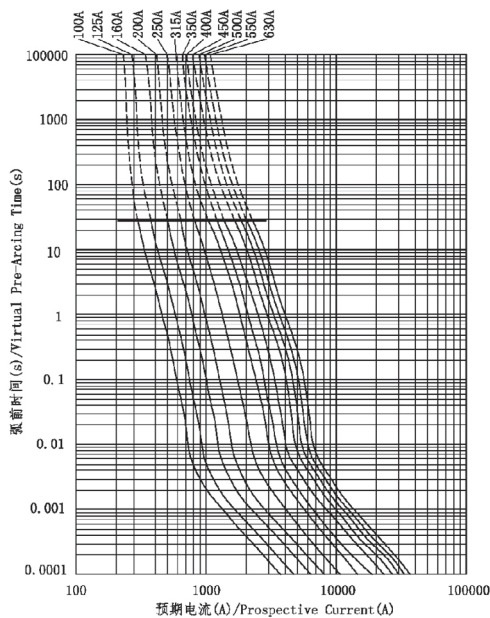
Overall dimensions (mm)



Installation method

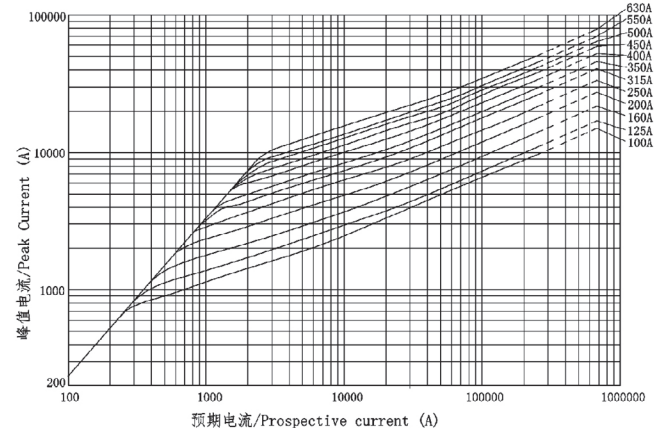
Bolt-on hook type

Time-current characteristic curve



Note: The deviation range of the time current curve is $\pm 10\%$ of the current

Cut-off current characteristic curve



Note: The deviation range of the truncated current curve is $\pm 10\%$ of the peak current

DNESS2-S8Q

Fuse for battery and battery system protection

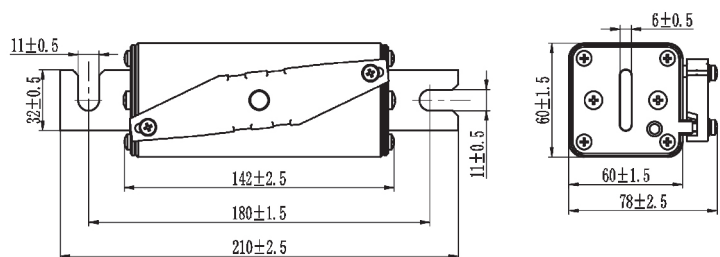


Rated Voltage	DC 1500V
Rated Current	100A, 125A, 160A, 200A, 250A, 315A, 350A, 400A, 450A, 500, 550, 630A
Protection Category	aBat
Breaking Capacity	250kA
Reference Standard	IEC 60269-7

Product parameter

Specification and model	size	Rated voltage V	Rated current A	Rated breaking capacity kA	forearc I ² t kA ² s	fusing I ² t kA ² s	In Dissipated power W
DNESS2-S8Q-100	2	DC 1500V	100	250kA	1.7	8.5	53
DNESS2-S8Q-125			125		3.6	17	63
DNESS2-S8Q-160			160		6	30	80
DNESS2-S8Q-200			200		12	52	90
DNESS2-S8Q-250			250		23	105	103
DNESS2-S8Q-315			315		40	210	106
DNESS2-S8Q-350			350		52	273	126
DNESS2-S8Q-400			400		80	309	133
DNESS2-S8Q-450			450		105	345	140
DNESS2-S8Q-500			500		154	493	153
DNESS2-S8Q-550			550		205	878	168
DNESS2-S8Q-630			630		273	1170	198

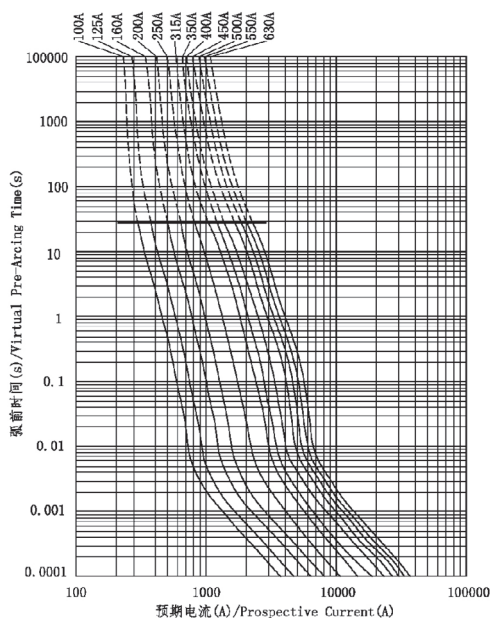
Overall dimensions (mm)



Installation method

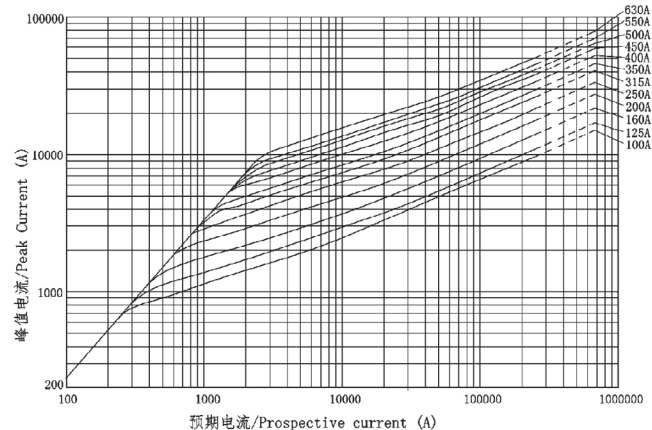
Bolt-on hook type (90° turn of touch blade)

Time-current characteristic curve



Note: The deviation range of the time current curve is $\pm 10\%$ of the current

Cut-off current characteristic curve



Note: The deviation range of the truncated current curve is $\pm 10\%$ of the peak current

DNESS2-S8R

Fuse for battery and battery system protection

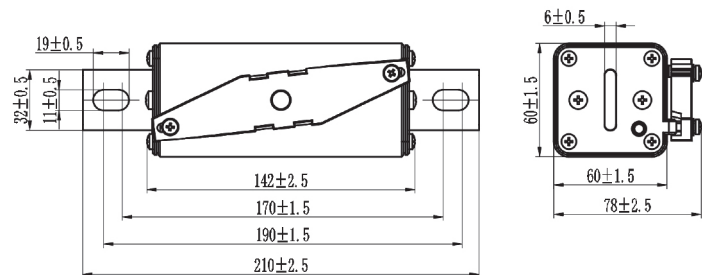


Rated Voltage	DC 1500V
Rated Current	100A, 125A, 160A, 200A, 250A, 315A, 350A, 400A, 450A, 500A, 550A, 630A
Protection Category	aBat
Breaking Capacity	250kA
Reference Standard	IEC 60269-7

Product parameter

Specification and model	size	Rated voltage V	Rated current A	Rated breaking capacity kA	forearc I^2t kA ² s	fusing I^2t kA ² s	In Dissipated power W
DNESS2-S8R-100	2	DC 1500V	100	250kA	1.7	8.5	53
DNESS2-S8R-125			125		3.6	17	63
DNESS2-S8R-160			160		6	30	80
DNESS2-S8R-200			200		12	52	90
DNESS2-S8R-250			250		23	105	103
DNESS2-S8R-315			315		40	210	106
DNESS2-S8R-350			350		52	273	126
DNESS2-S8R-400			400		80	309	133
DNESS2-S8R-450			450		105	345	140
DNESS2-S8R-500			500		154	493	153
DNESS2-S8R-550			550		205	878	168
DNESS2-S8R-630			630		273	1170	198

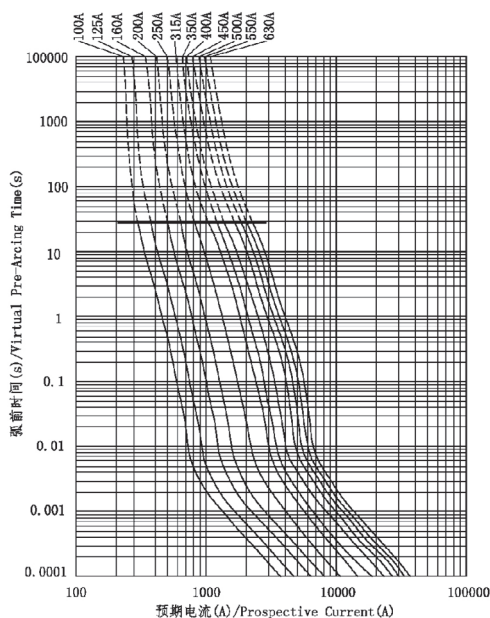
Overall dimensions (mm)



Installation method

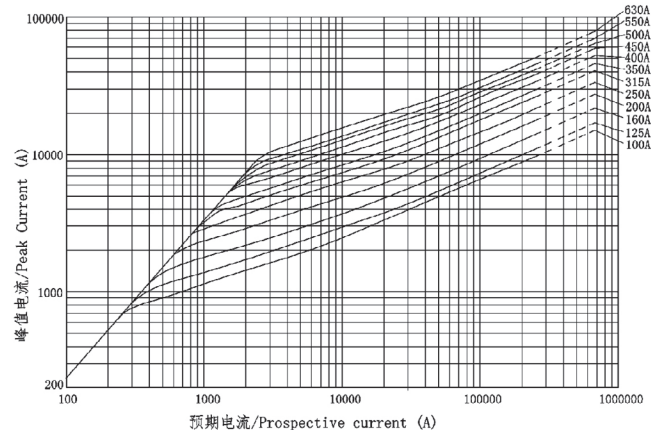
Bolted connection type

Time-current characteristic curve



Note: The deviation range of the time current curve is $\pm 10\%$ of the current

Cut-off current characteristic curve



Note: The deviation range of the truncated current curve is $\pm 10\%$ of the peak current