

DNS

Fuse links for semiconductor equipment protection

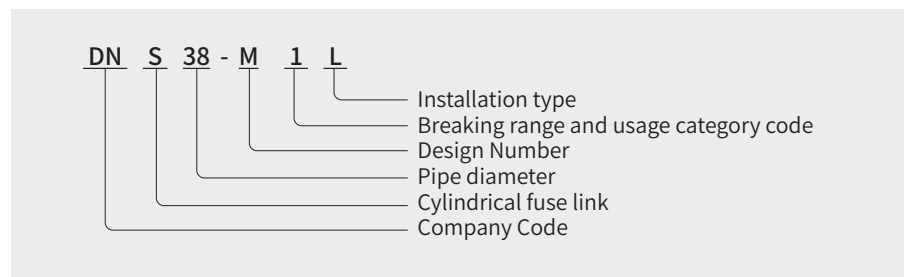


Product description

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.

DNS38-M1L

Fuse links for semiconductor equipment protection

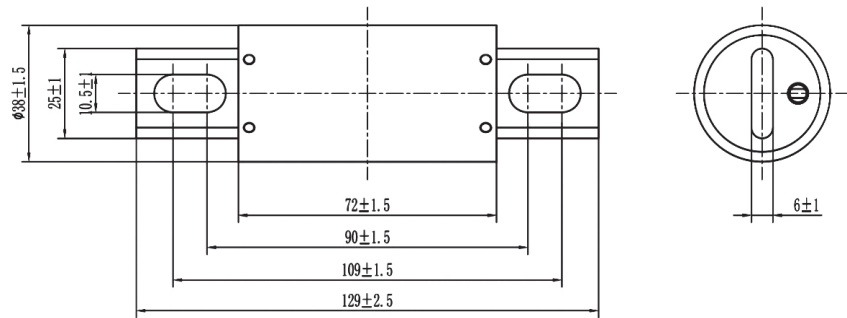


Rated voltage	800V DC
Rated current	125~400A
Protection category	aR
Breaking capacity	50kA
Time constant	10~15ms
Reference standard	GB/T 13539.4 IEC 60269-4
Certification mark	CCC CE TUV

Product Parameters

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

