

C1 Fuse

CDPV1-20 Fuse Used for Solar PV System Protection

Selection guide

CDPV1-20 Fuse link

Product name	Specification	Model	Rated current	
CDPV1	20	T	1	
	20: 20 type	T: Fuse link	1: 1A	8: 8A
			2: 2A	10: 10A
			3: 3A	12: 12A
			4: 4A	15: 15A
			5: 5A	20: 20A
			6: 6A	

CDPV1-20 Fuse Type Isolator

Product name	Specification	Indicator light
CDPV1	20	X
	20: 20 type	X: With Indicator Default: Without indicator

Ordering Information

CDPV1-20 Fuse link

Product name	Outline dimensions (mm)	Fuse link current (A)	Reference number
	10×38	1	CDPV120T1
		2	CDPV120T2
		3	CDPV120T3
		4	CDPV120T4
		5	CDPV120T5
Fuse link		6	CDPV120T6
		8	CDPV120T8
		10	CDPV120T10
		12	CDPV120T12
		15	CDPV120T15
		20	CDPV120T20

CDPV1-20 Fuse Type Isolator

Product name	Conventional heating current (A)	Indicator light	Reference number
Base	20	With	CDPV120X
		Without	CDPV120

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Technical parameters

Basic parameters of PV fuse link

Product model	Size	Rated voltage (V)	Rated current of fuse link (A)	Rated breaking capacity I_n (kA)	Rated dissipated power of fuse link (W)
CDPV1-20	10×38	DC1000	1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20	DC20	≤3.5

Basic parameters of fuse type isolator

Product model	Rated operating current (A)	Conventional heating current (A)	Rated operating voltage (V)	Rated insulation voltage (V)	Utilization category	Rated impulse withstand voltage (V)	Rated limited short circuit current (kA)	Number of poles (P)	Matched fuse link
CDPV1-20 (X)	20	20	DC 1000	DC 1000	DC-20B	6	20	1	CDPV1-20

■ Standard: GB/T 13539.6, GB/T 14048.3

■ Compliance certification: CCC

Normal Installation Conditions

- Ambient temperature: -25°C ~ + 60°C refers to the temperature of the air immediately surrounding the fuse link and should not be confused with room temperature. In many practical applications, the temperature of the fuse link is quite high, because it is arranged in a support/base of different structure and the whole fuse is enclosed in a power distribution control cabinet.
- Atmospheric conditions. The relative humidity of the air at the installation site shall not exceed 50% at a maximum temperature of + 60°C; Higher relative humidity is allowed at the lowest temperature. The monthly average minimum temperature of the wettest month shall not exceed -25°C, and the monthly average maximum relative humidity of the month shall not exceed 90%. Action must be taken to prevent condensation on the product due to temperature changes.
- Pollution grade: Grade 3
- Installation category: III
- Installation place · The fuse shall be free from significant shaking and shock vibration. If the conditions of use differ from the above, consult with the manufacturer.
- Altitude: See the table below for the correction coefficient of the current used at different altitudes.

Altitude	≤2000m	2000m~3000m	≥3000m	For example
Current correction factor	1	0.9	0.8	Altitude of products with rated current of 10A is 2500m Rated current after use: 0.9 X 10 = 9A

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Outline and Installation Dimension (mm)

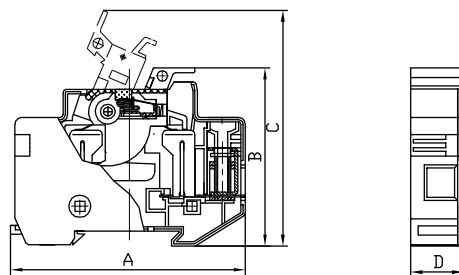


Fig. 1 Outline and Installation Dimensions of Fuse Isolator

Table 1 Outline and Installation Dimensions of Fuse Isolator

Model	A	B	C	D
CDPV1-20(X)	80±1.5	61±1.5	78±1.5	18±0.2

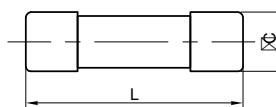


Fig. 2 Dimensions of PV Fuse Link

Table 2 Dimensions of PV Fuse Link

Model	L	C
CDPV1-20	38±0.6	10.2±0.2