

Datasheet

CNL Bolt-on fuse



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1, product Application

Non-time-delay low voltage limiter for use in isolating faults in battery operated systems, Lift trucks, scissor lifts, pallet movers, and other low voltage battery operated equipment used to move hazardous materials.

2, Product Feature

- Element visible through clear window to easily identify open status
- 2,700 A interrupting rating @80VDC
- 6,000 A interrupting rating @32VDC
- Compact size saves space
- RoHS compliant and lead free
- Volts 80Vdc or less
- Amps 35-800A
- Stud centers : D= 62mm

3, Functional Characteristics

TESTING CURRENT		BLOW TIME LIMIT
160%	I<300A	5Seconds Min
	I>=300A	20seconds Min
200%	I<300A	1sec-30sec
	I>=300A	2sec-120sec

Remark: Characteristics of fuses according to use conditions may change.

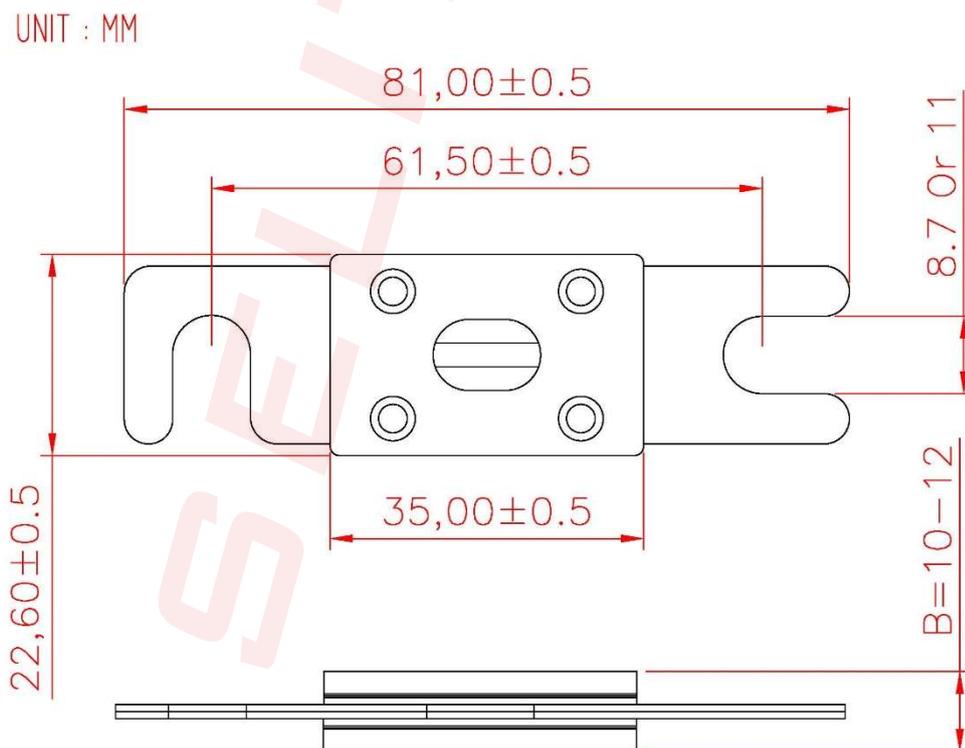
4, Catalog numbers (amps) and R_{mOHM}

C/N	RATING	$R_m (20^\circ C) m\Omega$
CNL-35	35A	3.43 ~ 4.19
CNL-40	40A	2.88 ~ 3.53
CNL-50	50A	2.21 ~ 2.71
CNL-60	60A	1.80 ~ 2.20
CNL-80	80A	1.31 ~ 1.60
CNL-100	100A	0.77 ~ 0.94
CNL-125	125A	0.61 ~ 0.74
CNL-130	130A	0.51 ~ 0.63
CNL-150	150A	0.45 ~ 0.55
CNL-175	175A	0.39 ~ 0.47
CNL-200	200A	0.33 ~ 0.41
CNL-225	225A	0.29 ~ 0.35
CNL-250	250A	0.25 ~ 0.30
CNL-275	275A	0.22 ~ 0.27
CNL-300	300A	0.20 ~ 0.25
CNL-325	325A	0.18 ~ 0.22
CNL-350	350A	0.15 ~ 0.18
CNL-400	400A	0.12 ~ 0.15
CNL-500	500A	0.11 ~ 0.13
CNL-600	600A	0.08 ~ 0.11

CNL-675	675A	0.06~0.075
CNL-700	700A	0.058-0.072
CNL-750	750A	0.056~0.07
CNL-800	800A	0.053~0.067

- Remark: 1) When measuring, when the temperature is not 20 °C, it should be converted according to the temperature coefficient of resistance of the material。
- 2) The actual deviation of the R value shown in the table is allowed by 20%。
- 3) When R exceeds the specified range of value deviation, the agreed fusing test is allowed to be carried out and then determined whether it is qualified。

5, size drawing



6, Parts Materials

- 1, Fusible: Copper alloy with Ni plated.
- 2, Insulating case: **bonded fibreglass**
- 3, rivet: Brass Alloy
- 4, Transparent sheets: MICA

7, I-T curve

