Ordering information

NBC -10 -472



- ① Series Name ② Rated Current ③ Line to ground capacitor code: Refer to table 1.1.

table1.1 Line to ground capacitor code

Code	N B C	N B M	(Input 125/250V 60Hz)		Line to ground capacitor (nominal value)	
	-	_				
000			5	μΑ /	10μA max	Not Provided
101			12.5	μΑ /	25μA max	100pF
221			25	μΑ /	50μA max	220pF
331			37.5	μΑ /	75μA max	330pF
471			50	μΑ /	100μA max	470pF
681			75.5	μΑ /	150μA max	680pF
102			0.13	mA / (0.25mA max	1,000pF
222			0.25	mA/	0.5 mA max	2,200pF
332			0.38	mA / (0.75mA max	3,300pF
472			0.5	mA /	1.0 mA max	4,700pF

- * When the line to ground capacitor code is different, the attenuation characteristic is different.
- D:DIN rail installation type
 - * The dimensions change when the option is set. Refer to External view.

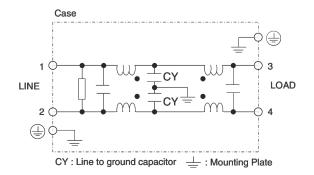
Features of NBC/NBM series

- · Single Phase 250VAC (2-Stage filter)
- · Quick and easy push-down terminal Just connect the wires, push-down and tighten the screws with a screwdriver
- NBC : High-attenuation type from 150kHz to 1MHz
- NBM: Low leakage current, Withstand voltage 4,000 VAC

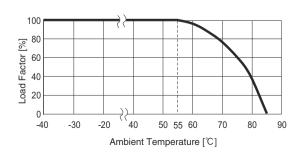
Specifications

No.	ltomo	NBC-06-472	NBC-10-472	NBC-16-472	NBC-20-472	NBC-30-472		
NO.	Items	NBM-06-471	NBM-10-471	NBM-16-471	NBM-20-471	NBM-30-471		
1	Rated Voltage[V]	AC 1 φ 250 / DC250						
2	Rated Current[A]	6	10	16	20	30		
3	Test Voltage (Terminal-Mounting Plate)	NBC: 2,500 VAC (Cutoff Current = 20mA), 1minute at room temperature and humidity						
	rest voltage (Terminal-Mounting Plate)	NBM : 4,000 VAC (Cutoff Current = 20mA), 1minute at room temperature and humidity						
4	Isolation Resistance (Terminal-Mounting Plate) 500 VDC 100M Ω min at room temperature and humidity							
5	Leakage current Refer to table 1.1							
6	Voltage drop	1.0V max						
7	Safety agency approval temperatures	-25 to +85℃ (Refer to Derating Curve)						
8	Operating temperature	-40 to +85℃ (Refer to Derating Curve)						
9	Operating humidity	20 to 95%RH (Non condensing)						
10	Storage temperature/humidity	-40 to +85℃/20 to 95%RH (Non condensing)						
11	11 Vibration 10 to 55Hz, 19.6m/s² (2G), 3min. Period, 1hour each X, Y a				and Z axis			
12	Impact	196.1m/s² (20G), 11ms Once each X, Y and Z axis						
13	Safety agency approvals	UL1283, CSA C22.2 No.8 (C-UL), DIN EN60939 VDE0565 Teil3-1, ENEC (At only AC input)						
14	Case size (without projection) /Weight	53 X 41 X 92 mm [2.09 X 1.61 X 3.62 inches] (W X H X D) /270g max (Option : -D refer to external view)						

Circuit Diagram



Derating Curve

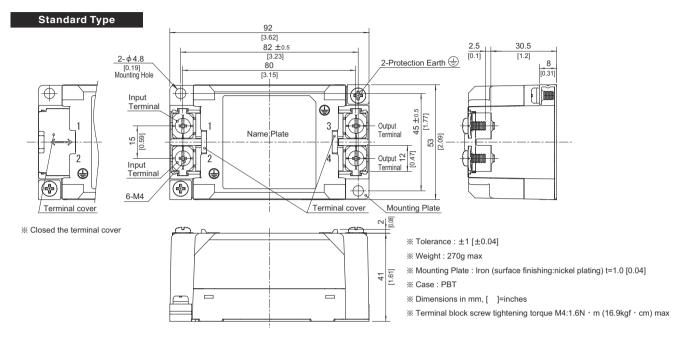




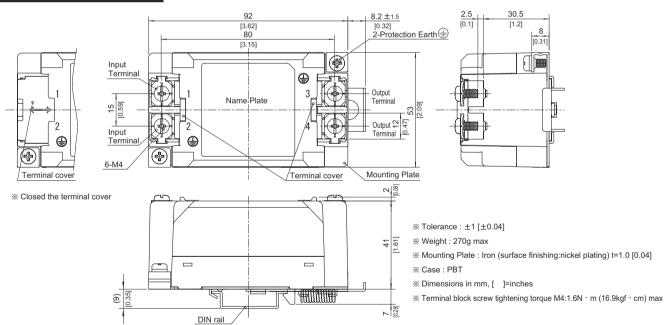
External view

This product is shipped in the following condition, because it is equipped with push-down terminals.

- 1)The terminal cover is retracted inside the unit.
- ②The screws for connecting the terminals are held in the up right position.



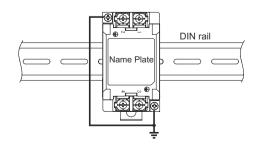
DIN rail installation Type



■Note when installing the EMI/EMC Filter on a DIN rail.

When the EMI/EMC Filter is grounded through the DIN rail, the proper noise attenuation may not be achieved.

Be sure to connect the protection earth (PE) of the EMI/EMC Filter body to the earth. At least one PE connection is required.



July 21, 2022 NB-4