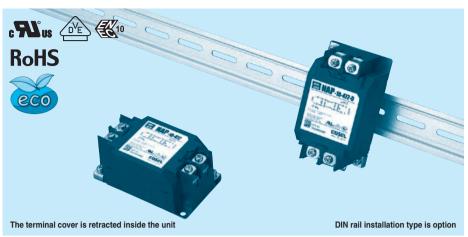
# **CD\$EL** High-voltage pulses high-attenuation type

# NAP series

#### Ordering information

NAP -10 -472





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

table1.1 Line to ground capacitor code

Code	Leakage Current (Input 125/250V 60Hz)	Line to ground capacitor (nominal value)		
000	5 μA/ 10μA max	Not Provided		
101	12.5 μA/ 25μA max	100pF		
221	25 μA/ 50μA max	220pF		
331	37.5 μA/ 75μA max	330pF		
471	50 μA/100μA max	470pF		
681	75.5 μA/150μA max	680pF		
102	0.13mA/0.25mA max	1000pF		
222	0.25mA/0.5 mA max	2200pF		
332	0.38mA/0.75mA max	3300pF		
472	0.5 mA/1.0 mA max	4700pF		

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

### **Features of NAP series**

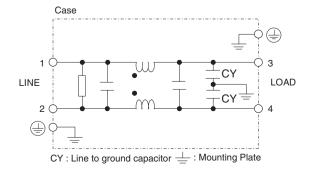
# **High-voltage pulses high-attenuation type**

- · Single Phase 250 VAC
- · Push down type terminal block

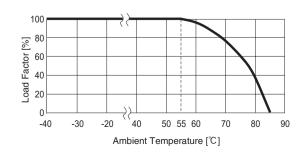
#### **Specifications**

No.	Items	NAP-04-472	NAP-06-472	NAP-10-472	NAP-16-472	NAP-20-472	NAP-30-472		
1	Rated Voltage[V]	AC 1 \( \phi \) 250 / DC250							
'_	• • • • • • • • • • • • • • • • • • • •								
2	Rated Current[A]	4	6	10	16	20	30		
3	Test Voltage (Terminal-Mounting Plate)	2,500 VAC (Cutoff Current = 20mA), 1 minute at room temperature and humidity							
4	Isolation Resistance (Terminal-Mounting Plate)	500 VDC 100M $\Omega$ min at room temperature and humidity							
5	Leakage current 125/250V 60Hz	0.5mA/1.0mA max							
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°C/20 to 95%RH (Non condensing)							
11	Vibration	10 to 55Hz, 19.6m/s <sup>2</sup> (2G), 3min. Period, 1hour each X, Y 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 × 41 × 92 mm [2.09 × 1.61 × 3.62 inches] (W × H × D) /300g max (Option : -D refer to external view)							

#### **Circuit Diagram**



#### **Derating Curve**



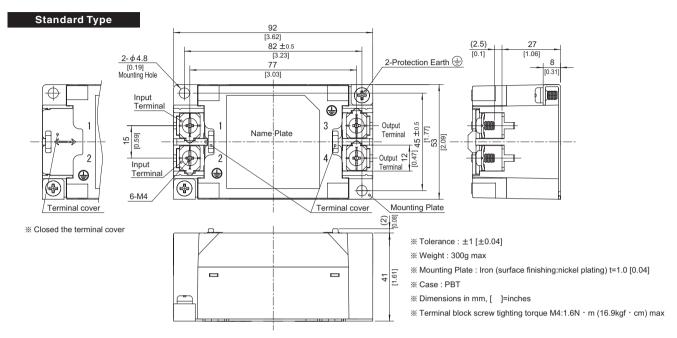


# NAH,NAC,NAM,NAP series

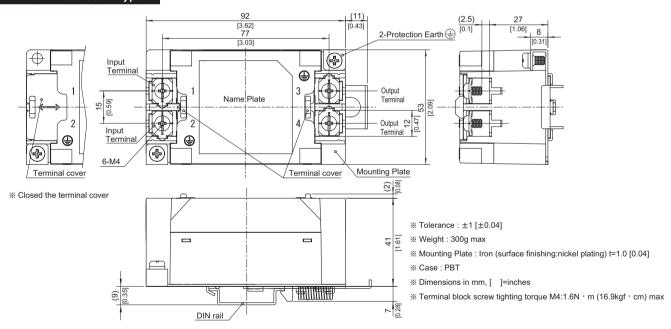
#### **External view**

As this product is adopted push-down type terminal block, this appearance is as follows.

- 1)The terminal cover is retracted inside the unit.
- 2)The 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.

It can connect the ground to either one only.

