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#### NAP



Features Single Phase 250 VAC Selectable leakage current Selectable leakage current Quick and easy push-down terminal. Just connect the wires, push down and tighten the screws with a screwdriver. DIN rail installation (option) Outside Impulse high-attenuation type RoHS Compliant

Model	Rated Voltage [V]	Rated Current [A]	
NAP-06-472	AC 1- 250 / DC250	6	
NAP-10-472	AC 1- 250 / DC250	10	
NAP-16-472	AC 1- 250 / DC250	16	
NAP-20-472	AC 1- 250 / DC250	20	
NAP-30-472	AC 1- 250 / DC250	30	
NAP-04-472	AC 1- 250 / DC250	4	

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

Ordering information

# **NAP series**



**RoHS** อัด The terminal cover is retracted inside the unit DIN rail installation type is option

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					

\*1 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

Quick and easy push-down terminal

Just connect the wires, push down and tighten the screws with a screwdriver

#### **Specifications**

<u> </u>								
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 ¢ 250 / DC250						
2	Rated Current[A]	4	6	10	16	20	30	
3	Test Voltage (Terminal-Mounting Plate)	2,500 VAC (Cutoff Current = 20mA), 1minute at room temperature and humidity						
4	Isolation Resistance (Terminal-Mounting Plate)	500 VDC 100M $\Omega$ minute 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°C (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/s <sup>2</sup> (20G), 11ms Once each X, Y and Z axis						
13	Safety agency approvals	UL1283, CSA C22.2 No.8 (C-UL), DIN EN133200 VDE0565 Teil3-1, ENEC (At only AC input)						
14	Case size (without projection) /Mass	53×41×92 mm (W×H×D) /300g max (Option : -D refer to external view)						

#### **Circuit Diagram**



#### **Derating Curve**



Noise Filter

## NAC,NAM,NAP,NAH series



#### External view

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

()The terminal cover is retracted inside the unit.

(2) The screws for connecting the terminals are held in the up right position.



Noise Filter