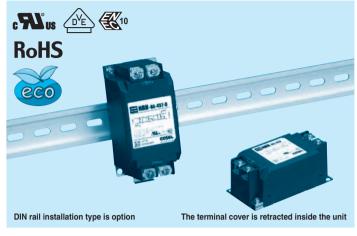
COSEL Ultra high-attenuation type of common mode noise from 10kHz to 10MHz (2-stage filter)

NBH series



Ordering information

NBH -10 -432 -

1)Model Name 2)Rated Current

③Line to ground capacitor code:See table 1.1.

table1.1 Line to ground capacitor code

Code	(Input 125/250V 60Hz) (nominal value		r value)	Test voltage (Terminal- Mounting Plate)					
		CY1	CY2						
000	5 μA/ 10μA max	Not Provided	Not Provided						
101	12.5 µA/ 25µA max	100pF	Not Provided						
221	25 μA/ 50μA max	220pF	Not Provided	4,000VAC					
331	37.5 µA/ 75µA max	330pF	Not Provided						
471	50 μA/100μA max	470pF	Not Provided						
681	75.5 µA/150µA max	680pF	Not Provided						
102	0.13mA/0.25mA max	1000pF	Not Provided						
202	0.25mA/0.5 mA max	1000pF	1000pF	2,500VAC					
322	0.38mA/0.75mA max	2200pF	1000pF						
432	0.5 mA/1.0 mA max	3300pF	1000pF						

* When the line to ground capacitor code is different, the attenuation characteristic is different.

Options D:DIN rail installation type

* The dimensions change when the option is set.

Refer to External view.

· Push down type terminal block

Features of NBH series

Ultra high-attenuation type of common mode noise from 10kHz to 10MHz (2-stage filter)

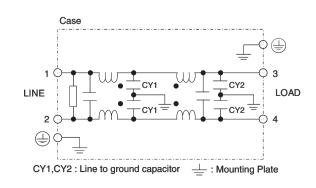
- Single Phase 250 VAC
- Withstand voltage 4,000 VAC
 - (Line to ground capacitor code -000 to -471)

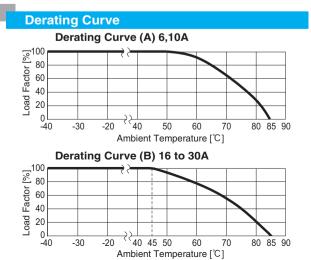
Specifications

No.	Items	NBH-06-432	NBH-10-432	NBH-16-432	NBH-20-432	NBH-30-432			
1	Rated Voltage[V]	AC 1 ¢ 250 / DC250							
2	Rated Current[A]	6	10	16	20	30			
3	Test Voltage (Terminal-Mounting Plate) *1	2,500 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 125/250V 60Hz	0.5mA/1.0mA max							
6	Voltage drop 1.0V max								
7	Safety agency approval temperatures	-25 to +85°C (Refer to Derating Curve A) -25 to +85°C (Re			fer to Derating Curve B)				
8	Operating temperature	-40 to +85°C (Refer to Derating Curve A) -40 to +85°C (Refer to Derating Curve B)							
9	Operating humidity 20 to 95%RH (Non condensing)								
10	Storage temperature/humidity	-40 to +85℃/20 to 95%RH (Non condensing)							
11	Vibration	10 to 55Hz, 19.6m/s ² (2G), 3min. Period, 1hour each X, Y and Z axis							
12	Impact	196.1m/s ² (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	53×43×104 mm [2.09×1.69×4.09 inches] (W×H×D) /320g max (Option : -D refer to external view)							

*1 When the line to ground capacitor code is different, the test voltage characteristic is different. (See table 1.1)

Circuit Diagram





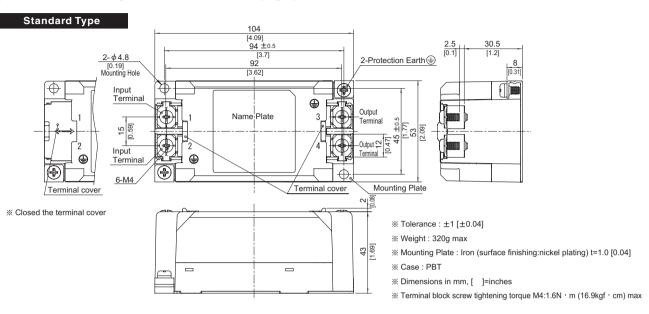
NBH series | CO\$EL

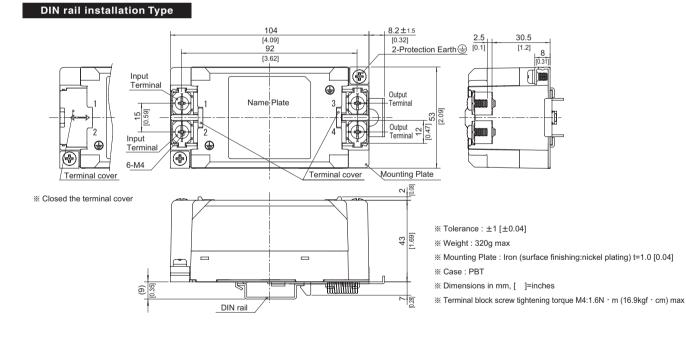
External view

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

 $\textcircled{\sc l}$ The terminal cover is retracted inside the unit.

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





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.

