

NFIN



Summarize

Application scope

NFIN Residual Current Circuit Breaker provide the function of isolation switching and earth leakage protection of electrical circuits. And also provide the indirect protection of the operator's body against the dangerous effects of electric current and provide the protection of the fire caused by the electrical circuit fault.

Standard ↓

IEC61008

Construction features

- 1.Measuring component and buckling component of products is located between enter line end and entrance line end ;
- 2.Movement characteristic of products can not be changed with outside mechanical tool ;
- 3.The operating organization has the free function to take off and buckle;
- 4.Operate part can not be taken down from the shell outer of products , the shell can not influence the operating organization to work , the accessory group which replace the feelers pressure, should guarantee the feelers pressure does not change while running.

Normal operation and mounting requirement

- Circumstance temperature $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$, average temperature not exceeding 35°C .
- Altitude above sea level less than 2000 m.
- Humidity not exceeding 50% at 40°C and not exceeding 90% at 25°C .
- Installation class II or III.
- Pollution class II.
- Installation method DIN Rail mounting type.
- The external magnetism shall not be more than 5 times of terrestrial one.
- Product shall be installed vertically at the place where there shall be no severe impact and vibration. The product is switched on when the handle is at upper position.

Main technical parameters

Type	NFIN RCCB
Number of poles	2P、 4P
Rated Current(In)	25、 32、 40、 63、 80、 100A
Rated residual operating current($I_{\Delta n}$)	10、 30、 100、 300、 500mA
Rated residual non-operation Current($I_{\Delta n}$)	$0.5I_{\Delta n}$
Rated Voltage(Un)	AC 230(240)/400(415) V
Residual current off-time	$\leq 0.1\text{s}$
Type	AC
Ultimate short-circuit breaking capacity(I _{nc})	3000A
Endurance	≥ 4000
Terminal protection	IP20

Overall and mounting dimensioned chart

