

CFR7-100B

Residual Current Circuit Breaker



Description

CFR7-100B integrates an electronic residual current detection module and an electromagnetic residual current detection module. The detection of high frequency residual current and smooth DC residual current within 1kHz is realized by an electronic circuit, combining the advantages of electromagnetic and electronic type.

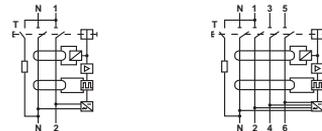
Leakage protection and isolation, high short circuit withstand capability. Also provides the indirect protection against the operator and protection of the fire caused by the electric circuit faulty.

Technical Data

- Standard: IEC61008-1, IEC62423
- Residual current characteristics: B
- Pole No.: 1P+N, 3P+N
- Rated making and breaking capacity $I_m(A)$: 500A($I_n=25,40$), 10In($I_n=63,80,100$)
- Rated residual making and breaking capacity $I_{\Delta m}(A)$: I_m
- Rated current(A): 25,40,63,80,100(80,100 for 1P+N only)
- Rated voltage: 240/415V AC
- Rated frequency: 50/60Hz
- Rated residual operating current $I_{\Delta n}(mA)$: 30,100,300,500(500 only for 3P+N)
- Rated residual non operating current $I_{\Delta no}$: 0.5 $I_{\Delta n}$
- Rated conditional short-circuit current I_{nc} : 10kA
- Rated conditional residual short-circuit Current $I_{\Delta c}$: 10kA
- Tripping duration: instantaneous tripping $\leq 0.1s$
- Residual tripping current range: 0.5 $I_{\Delta n} \sim I_{\Delta n}$
- Electro-mechanical endurance: 4000 cycles
- Connection capacity: Rigid conductor 35mm² for 1P+N, 25mm² for 3P+N
- Connection terminal:
 - Screw terminal
 - Pillar terminal with clamp
- Fastening torque: 2.5Nm
- Installation:
 - On symmetrical DIN rail 35mm

B

Wiring Diagram



Overall & Installation Dimensions

