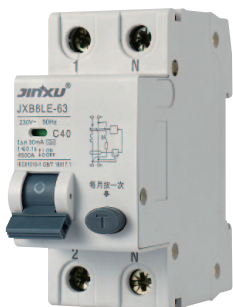


Residual Current Circuit Breaker With Over Current Protection (36mm)



Main Technical Parameter

- Main technical parameter (see table 1)
- Time-current character (see table 2)
- Residual current protection character
 - Rated residual operating current I_{on} :30mA,50mA
 - Rated residual non-operating current I_{no} :15mA,25mA
 - Rated residual making and breaking capability I_{om} :2000A
 - Residual current breaking time(see table 3)
- Mechanical/ Electric lifetime (times)
 - Electric lifetime:2000; ○ Mechanical life:4000
- Nominal cross-section of wire (see table 4)
- Standard:IEC 61009-1

Table 1

| Frame rated current I_{nm} A | Rated current I_n A | Rated voltage V | Breaking capacity of rated short-circuit | | Instantaneous release type |
|--------------------------------|---------------------------|-----------------|--|-----------|----------------------------|
| | | | $I_{cs}(A)$ | $COS\Phi$ | |
| 63 | 6,10,16,20,25,32,40,50,63 | 230 | 6000 | 0.65-0.70 | C |

Table 2

| Ambient temperature | Initial status | Test current | Test time | Expected result | Note |
|-----------------------|---|--------------|--------------------------------------|-----------------|---|
| $30\pm 2^{\circ}C$ | Cold position | $1.13I_n$ | $t \geq 1h$ | Non-release | - |
| | Carried out immediately after previous test | $1.45I_n$ | $t < 1h$ | Release | - |
| | Cold position | $2.55I_n$ | $1s < t < 60s$ ($I_n \leq 32A$) | Release | Current smoothly rises to specified value within 5s |
| | Cold position | $2.55I_n$ | $1s < t < 120s$ ($I_n > 32A$) | Release | |
| $-5\sim +40^{\circ}C$ | Cold position | $3I_n$ | $t \leq 0.1s$ | Non-release | Type B |
| | Cold position | $5I_n$ | $t < 0.1s$ | Release | Type B |
| | Cold position | $5I_n$ | $t \geq 0.1s$ | Non-release | Type C |
| | Cold position | $10I_n$ | $t < 0.1s$ | Release | Type C |
| | Cold position | $10I_n$ | $t \geq 0.1s$ | Non-release | Type D |
| | Cold position | $20I_n$ | $t < 0.1s$ | Release | Type D |

Table 3

| $I_n(A)$ | $I_{\Delta n}(A)$ | Residual current (i_n) is equal to the breaking time (s) at the following corresponding value | | |
|----------|-------------------|---|-----------------|-------|
| | | $I_{\Delta n}$ | $2I_{\Delta n}$ | 250mA |
| 6-63 | 0.03 | 0.1 | 0.05 | 0.04 |

Table 4

| Rated current $I_n(A)$ | $I_n \leq 6$ | $6 < I_n \leq 6$ | $13 < I_n \leq 20$ | $20 < I_n \leq 25$ | $25 < I_n \leq 32$ | $32 < I_n \leq 50$ |
|---|--------------|------------------|--------------------|--------------------|--------------------|--------------------|
| Nominal cross-section of wire(mm^2) | 1 | 1.5 | 2.5 | 4 | 6 | 10 |

Outline & Installation Dimension

