

RDB5LE-63 Series (RCBO) Residual Current Circuit Breaker



Application

The RDB5LE-63 RCBO is designed to ensure the protection of low-voltage electrical applications up to 63A rated voltage 230/400V, AC 50/60Hz

Line protection against earthleakage, overload and short-circuits

Electronic type RCD

Rated short-circuit breaking capacity $I_{cn} = 6kA$

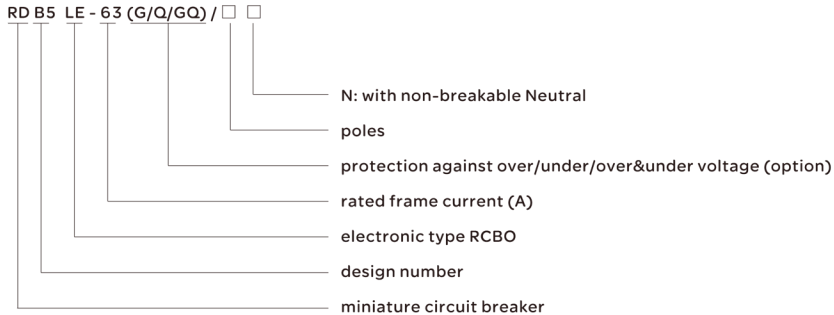
With indication window

Sensitivity range: 30mA, 100mA, 300mA

Comply with IEC61009/GB16917.1

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Model No.



Specification

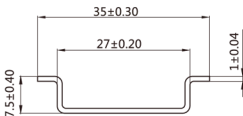
| Electrical features | Thermo-magnetic release characteristic | | C, D |
|---------------------|--|----|-----------------------------------|
| | Rated current I_n | A | 6, 10, 16, 20, 25, 32, 40, 50, 63 |
| | Rated voltage U_e | V | 230/400 |
| | Rated sensitivity $I_{\Delta n}$ | A | 0.03, 0.1, 0.3 |
| | Rated residual making and breaking capacity $I_{\Delta m}$ | A | 2000 |
| | Rated short-circuit capacity I_{cn} | A | 6000 |
| | Break time under $I_{\Delta n}$ | S | ≤ 0.1 |
| | Rated frequency | Hz | 50/60 |
| | Rated impulse withstand voltage U_{imp} | V | 4,000 |
| | Dielectric TEST voltage at ind. Freq. for 1 min | kV | 2 |
| | Insulation voltage U_i | | 600 |
| | Pollution degree | | 2 |

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Residual Current Circuit Breaker

| | Standard | IEC/EN 60947-3 | |
|---------------------|--|--|-----------|
| Mechanical features | Electrical life | 4,000 | |
| | Mechanical life | 10,000 | |
| | Contact position indicator | Yes | |
| | Protection degree | IP20 | |
| | Ambient temperature(with daily average $\leq 35^{\circ}\text{C}$) | $^{\circ}\text{C}$ | -5 ~ +40 |
| | Storage temperature | $^{\circ}\text{C}$ | -25 ~ +70 |
| Installation | Terminal connection type | Cable/U-type busbar/Pin-type busbar | |
| | Terminal size top for cable | mm^2 | 25 |
| | Terminal size top for busbar | mm^2 | 25 |
| | Tightening torque | $\text{N}\cdot\text{m}$ | 2 |
| | | In-lbs | 18 |
| | Mounting | On DIN rail EN 60715 (35mm) by means of fast clip device | |
| Connection | From top | | |

Overall and Mounting Dimensions (mm)



| | A | B | C | D | 1P+N | 2P | 3P | 3P+N | 4P |
|-----------|----|----|----|---|-------|-------|-------|-------|-------|
| RDB5LE-63 | 55 | 42 | 28 | 8 | 18+36 | 36+36 | 54+50 | 54+63 | 72+63 |