

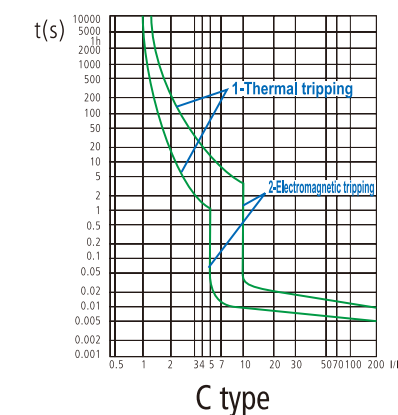
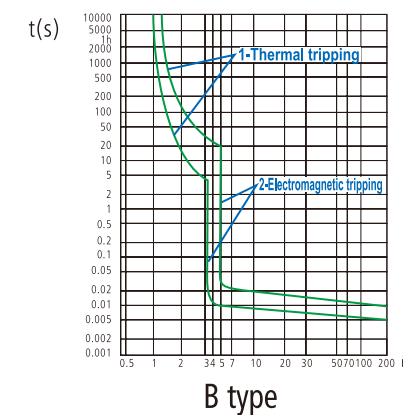


## ELBR Series (Electronic) Residual Current Operated Circuit Breaker(RCBO)

### Application

|                           |                                                                           |
|---------------------------|---------------------------------------------------------------------------|
| Standard                  | Confirming to EN / IEC61009                                               |
| Breaking Capacity         | 6KA,10KA                                                                  |
| Number of poles           | 1P+N(1 module)                                                            |
| Rated currents            | 6,10,16, 20, 25, 32, 40A                                                  |
| Rated voltage             | 230VAC                                                                    |
| Rated Tripping Current    | 10mA,30mA,100mA                                                           |
| Residual current off time | ≤ 0.1s                                                                    |
| Characteristic            | B,C                                                                       |
| Electrical endurance      | 10000                                                                     |
| Mechanical endurance      | 20000                                                                     |
| Protection degree         | -25°C~+40°C                                                               |
| Connection terminal       | Flexible conductor 16mm <sup>2</sup><br>Rigid conductor 25mm <sup>2</sup> |
| Type of terminal          | Lug type and Pin type                                                     |
| Width                     | 17.5mm /module                                                            |

### 1. Curves



### 2. Breaking time of residual current

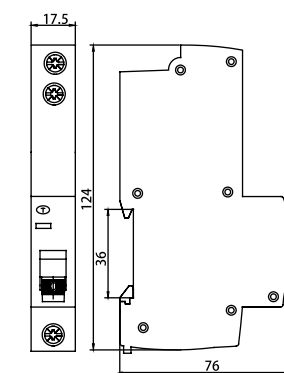
| In (A) | I <sub>Δn</sub> (A) | Max. Breaking times |                  |                  |                                |
|--------|---------------------|---------------------|------------------|------------------|--------------------------------|
|        |                     | I <sub>Δn</sub>     | 2I <sub>Δn</sub> | 5I <sub>Δn</sub> | 5A, 10A, 20A, 50A, 100A, 200A, |
| 6~40   | 0.01,0.03,0.1       | 0.1s                | 0.08s            | 0.04s            | 0.04s                          |

### 3. Wiring

The suitable conductors should be used for connection,see table below for relative parameters.

| Rated current In (A) | Cross section area S (mm <sup>2</sup> ) | Tightening torque (N . m) |
|----------------------|-----------------------------------------|---------------------------|
| 6                    | 1                                       | 2                         |
| 10                   | 1.5                                     | 2                         |
| 16~20                | 2.5                                     | 2                         |
| 25                   | 4                                       | 2                         |
| 32                   | 6                                       | 2                         |
| 40                   | 10                                      | 2                         |

### 4. Overall and mounting dimensions



### 5.Wiring diagram

