Characteristics curves

Breaker types

| MCCB | ABE30a |

| Compensation curves |

| Rated current compensation rate (%) |

| Ambient temp. 40°C |

| Rated current: 3~30A (ABE) |

| Rated current compensation rate (%) |

| Ambient temp. 40°C |

| Magnetic trip range 700~1500% |

| Max. breaking time |

| Operational time |

| Sec. |

| Rated current |

| 1 ~ 30 |

| Min. |

| Max. |

| Rated current: 40~100A (ABN/S,EBN/S) |

| Magnetic trip range (950~1400%) |

| Max. breaking time |

| Operational time |

| Sec. |

| Rated current |

| 1 ~ 30 |

| Min. |

| Max. |
Characteristics curves

Breaker types

- MCCB
  - ABS125c
  - ABH50c/125c
  - ABL125c
- ELCB
  - EBS125c
  - EBH50c/125c

Compensation curves

- Rated current: 15~30A, 40~100A
  - Magnetic trip range
    - 15~30A: 400A ± 20%
    - 45~100A: 90~1440%
  - Max. breaking time

- Rated current: 125A
  - Magnetic trip range (960~1440%)
  - Max. breaking time

- Compensation curves
  - Ambient temp. 40°C
Breaker types

**MCCB**
- ABN250c, ABS250c
- ABH250c, ABL250c

**ELCB**
- EBN250c, EBS250c
- EBH250c

Compensation curves

**Rated current: 100~225A**

- Rated current compensation rate (%)
- Ambient temp. 40℃

**Rated current: 250A**

- Rated current compensation rate (%)
- Ambient temp. 40℃

**Rated current: 100~225A**

- Magnetic trip range (960~1400%)
- Max. breaking time

**Rated current: 250A**

- Magnetic trip range (960~1400%)
- Max. breaking time
Characteristics curves

Breaker types

<table>
<thead>
<tr>
<th>MCCB</th>
<th>ABN400c, ABS400c, ABH400c, ABL400c</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ABN800c, ABS800c, ABL800c</td>
</tr>
<tr>
<td>ELCB</td>
<td>EBN400c, EBS400c, EBH400c, EBL400c</td>
</tr>
<tr>
<td></td>
<td>EBN800c, EBS800c, EBL800c</td>
</tr>
</tbody>
</table>

Compensation curves

Rated current: 250~400A

![Compensation curves](image1)

Rated current: 500~800A

![Compensation curves](image2)
### Breaker types

<table>
<thead>
<tr>
<th>MCCB</th>
<th>ABS1000b, ABL1000b</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABS1200b, ABL1200b</td>
<td></td>
</tr>
<tr>
<td>ELCB</td>
<td>EBS1003b, EBS1203b</td>
</tr>
</tbody>
</table>

### Compensation curves

![Compensation curve graph]

**Rated current: 1000~1200A**

- Ambient temp. 40℃
- Rated current compensation rate (%)
- Compensation curves

**Breaker types**

| MCCB | ABS1200bE |

**Rated current: 1200A**

- Rated current: 1200A
- | Rated current: 1000~1200A |
- | Min. | Max. |
- | 1200 | 200 |
- | 300 | 200 |
- | 400 | 200 |
- | 500 | 200 |
- | 600 | 200 |
- | 700 | 200 |
- | 800 | 200 |
- | 900 | 200 |
- | 1000 | 1500 |
- | 1100 | 1500 |
- | 1200 | 1500 |

**Rated current compensation rate (%)**

- Rated current: 1000~1200A
- Compensation curves
- Breaker types
- ABS1000b, ABL1000b
- ABS1200b, ABL1200b
- EBS1003b, EBS1203b
- MCCB
- ABS1200bE
- ELCB
- EBS1003b, EBS1203b