

Miniature Circuit Breakers

E2000 Miniature Circuit Breakers

EP100 Series

Applications

—Industrial

Performance

| | |
|--------------------------------------------------------|----------------|
| Thermal setting In (A) | 0.5-63 |
| Rated Vac Un (V) | 240/415 |
| Minimum operating voltage U_g min (V) | 12 |
| Tripping characteristics | B-C-D |
| Selectivity class | 3 |
| Mechanical/electrical endurance | 20000/10000 |
| Tropicalisation acc. to IEC 60068-2 | 95% RH at 55°C |
| Terminal capacity flexible/rigid cable mm ² | 25-35 |
| Poles | 1, 2, 3, 4 |
| Weight (g/pole) | 120 |

Short-circuit Capacity

Per UL 1077 & CSA 22.2 No. 235-1989 (File E151139)

| Poles | Max. Voltage Rating | | Short Circuit Rating kAIC RMS Symmetrical | | | | kAIC DC | |
|-------|---------------------|-----|----------------------------------------------|---------|-----|----------|---------|-----|
| | AC | DC | 120 | 120/240 | 277 | 480Y/277 | 50 | 110 |
| 1 | 277 | 50 | 10 | — | 10 | — | 10 | — |
| 2 | 480Y/277 | 110 | 10 | 10 | 10 | — | — | 10 |
| 3, 4 | 480Y/277 | 110 | 10 | 10 | 10 | 10 | — | — |

AC acc. to IEC 60898

| Poles | V | I _{cn} (kA) ¹ |
|-------|---------|-----------------------------------|
| 1-4 | 230/400 | 10 |

¹I_{cs} = 75% I_{cu}

AC acc. to IEC 60947-2

| Poles | V | I _{cu} (kA) ² |
|-------|-----|-----------------------------------|
| 1 | 240 | 15 |
| 2,3,4 | 240 | 30 |
| 2,3,4 | 415 | 15 |

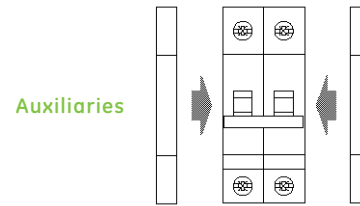
²I_{cs} = 50% I_{cu}

DC acc. to IEC 60947-2

| Poles | V | I _{cu} /I _{cs} (kA) |
|-------|-----|---------------------------------------|
| 1 | 60 | 25 |
| 2 | 125 | 30 |

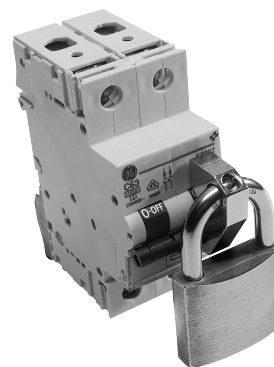
Approval/Marking

- CE
- CSA
- cURus
- CEBEC
- KEMA EUR



Auxiliaries

Add-on Devices



KS Padlocking Bracket



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Section 7

EP100 Series, 10 kAIC @120 or 120/240 Vac, Tripping Characteristics B-C-D

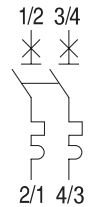
| Poles | 10 kAIC In (A) | Tripping Characteristic | | | |
|-------|----------------|-------------------------|--------------------------|---------------------------|-------------|
| | | B (3-5X) Product No. | C (5-10X) Product No. | D (10-20X) Product No. | |
| 1 | 0.5 | - | EP101ULC0.5 | EP101ULD0.5 | |
| | 1 | - | EP101ULC01 | EP101ULD01 | |
| | 2 | - | EP101ULC02 | EP101ULD02 | |
| | 3 | - | EP101ULC03 | EP101ULD03 | |
| | 4 | - | EP101ULC04 | EP101ULD04 | |
| | 5 | EP101ULB05 | EP101ULC05 | EP101ULD05 | |
| | 6 | EP101ULB06 | EP101ULC06 | EP101ULD06 | |
| | 10 | EP101ULB10 | EP101ULC10 | EP101ULD10 | |
| | 13 | EP101ULB13 | EP101ULC13 | EP101ULD13 | |
| | 15 | EP101ULB15 | EP101ULC15 | EP101ULD15 | |
| | 16 | EP101ULB16 | EP101ULC16 | EP101ULD16 | |
| | 20 | EP101ULB20 | EP101ULC20 | EP101ULD20 | |
| | 25 | EP101ULB25 | EP101ULC25 | EP101ULD25 | |
| | 30 | EP101ULB30 | EP101ULC30 | EP101ULD30 | |
| | 32 | EP101ULB32 | EP101ULC32 | EP101ULD32 | |
| | 40 | EP101ULB40 | EP101ULC40 | EP101ULD40 | |
| | 50 | EP101ULB50 | EP101ULC50 | EP101ULD50 | |
| | 60 | EP101ULB60 | EP101ULC60 | EP101ULD60 | |
| | 63 | EP101ULB63 | EP101ULC63 | EP101ULD63 | |
| | 2 | 0.5 | - | EP102ULC0.5 | EP102ULD0.5 |
| | | 1 | - | EP102ULC01 | EP102ULD01 |
| 2 | | - | EP102ULC02 | EP102ULD02 | |
| 3 | | - | EP102ULC03 | EP102ULD03 | |
| 4 | | - | EP102ULC04 | EP102ULD04 | |
| 5 | | EP102ULB05 | EP102ULC05 | EP102ULD05 | |
| 6 | | EP102ULB06 | EP102ULC06 | EP102ULD06 | |
| 10 | | EP102ULB10 | EP102ULC10 | EP102ULD10 | |
| 13 | | EP102ULB13 | EP102ULC13 | EP102ULD13 | |
| 15 | | EP102ULB15 | EP102ULC15 | EP102ULD15 | |
| 16 | | EP102ULB16 | EP102ULC16 | EP102ULD16 | |
| 20 | | EP102ULB20 | EP102ULC20 | EP102ULD20 | |
| 25 | | EP102ULB25 | EP102ULC25 | EP102ULD25 | |
| 30 | | EP102ULB30 | EP102ULC30 | EP102ULD30 | |
| 32 | | EP102ULB32 | EP102ULC32 | EP102ULD32 | |
| 40 | | EP102ULB40 | EP102ULC40 | EP102ULD40 | |
| 50 | | EP102ULB50 | EP102ULC50 | EP102ULD50 | |
| 60 | | EP102ULB60 | EP102ULC60 | EP102ULD60 | |
| 63 | | EP102ULB63 | EP102ULC63 | EP102ULD63 | |
| 3 | | 0.5 | - | EP103ULC0.5 | EP103ULD0.5 |
| | | 1 | - | EP103ULC01 | EP103ULD01 |
| | 2 | - | EP103ULC02 | EP103ULD02 | |
| | 3 | - | EP103ULC03 | EP103ULD03 | |
| | 4 | - | EP103ULC04 | EP103ULD04 | |
| | 5 | EP103ULB05 | EP103ULC05 | EP103ULD05 | |
| | 6 | EP103ULB06 | EP103ULC06 | EP103ULD06 | |
| | 10 | EP103ULB10 | EP103ULC10 | EP103ULD10 | |
| | 13 | EP103ULB13 | EP103ULC13 | EP103ULD13 | |
| | 15 | EP103ULB15 | EP103ULC15 | EP103ULD15 | |
| | 16 | EP103ULB16 | EP103ULC16 | EP103ULD16 | |
| | 20 | EP103ULB20 | EP103ULC20 | EP103ULD20 | |
| | 25 | EP103ULB25 | EP103ULC25 | EP103ULD25 | |
| | 30 | EP103ULB30 | EP103ULC30 | EP103ULD30 | |
| | 32 | EP103ULB32 | EP103ULC32 | EP103ULD32 | |
| | 40 | EP103ULB40 | EP103ULC40 | EP103ULD40 | |
| | 50 | EP103ULB50 | EP103ULC50 | EP103ULD50 | |
| | 60 | EP103ULB60 | EP103ULC60 | EP103ULD60 | |
| | 63 | EP103ULB63 | EP103ULC63 | EP103ULD63 | |
| | 4 | 0.5 | - | EP104ULC0.5 | EP104ULD0.5 |
| | | 1 | - | EP104ULC01 | EP104ULD01 |
| 2 | | - | EP104ULC02 | EP104ULD02 | |
| 3 | | - | EP104ULC03 | EP104ULD03 | |
| 4 | | - | EP104ULC04 | EP104ULD04 | |
| 5 | | EP104ULB05 | EP104ULC05 | EP104ULD05 | |
| 6 | | EP104ULB06 | EP104ULC06 | EP104ULD06 | |
| 10 | | EP104ULB10 | EP104ULC10 | EP104ULD10 | |
| 13 | | EP104ULB13 | EP104ULC13 | EP104ULD13 | |
| 15 | | EP104ULB15 | EP104ULC15 | EP104ULD15 | |
| 16 | | EP104ULB16 | EP104ULC16 | EP104ULD16 | |
| 20 | | EP104ULB20 | EP104ULC20 | EP104ULD20 | |
| 25 | | EP104ULB25 | EP104ULC25 | EP104ULD25 | |
| 30 | | EP104ULB30 | EP104ULC30 | EP104ULD30 | |
| 32 | | EP104ULB32 | EP104ULC32 | EP104ULD32 | |
| 40 | | EP104ULB40 | EP104ULC40 | EP104ULD40 | |
| 50 | | EP104ULB50 | EP104ULC50 | EP104ULD50 | |
| 60 | | EP104ULB60 | EP104ULC60 | EP104ULD60 | |
| 63 | | EP104ULB63 | EP104ULC63 | EP104ULD63 | |



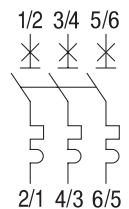
1 Pole



2 Pole



3 Pole



4 Pole

