# Emax Power Circuit-breakers

## Emax E4

### Common data
- UL 1066
- Rated voltage: 600 V AC
- Rated maximum voltage: 635 V AC
- Test voltage (1 min. 50/60 Hz): 2.2 kV
- Frequency: 50 - 60 Hz
- Number of poles: 3 - 4
- Version: Fixed (F) - Drawout (W)

### Type of circuit-breaker

<table>
<thead>
<tr>
<th>Level of performance</th>
<th>Emax E4</th>
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<tbody>
<tr>
<td>S-A</td>
<td>H-A</td>
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<tr>
<td>Frame size [A]</td>
<td>3200</td>
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<tr>
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<td>3600</td>
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- Capacity of neutral pole for 4 pole circuit-breakers [% Iu] 50 50 50 50 100
- Rated short circuit current
  - 240 V [kA] 85 100 100 125 100
  - 480 V [kA] 65 85 100 125 85
  - 600 V [kA] 65 85 100 100 85
- Rated short time current (1s) [kA] 65 85 100 100 85

### Trip units
- Electronic adjustable (dip switch) PR121
- Electronic adjustable (keypad+LCD display) PR122
- Electronic adjustable (keypad+LCD display+measuring) PR123

### Trip times
- Make time (max) [ms] 80 80 80 80 80
- Break time (I < ST current) (max) [ms] 70 70 70 70 70
- Break time (I > ST current) (max) [ms] 30 30 30 30 30

### Mechanical and electrical life with regular ordinary maintenance
- Mechanical life [No. Operations x 1000] 8
- Operation frequency [Operations / hour] 30
- Electrical life [No. Operations x 1000] 5
- Operation frequency [Operations / hour] 30

### Weights (circuit breaker complete with trip unit, Horz. rear terminals, CS. Excluding accessories)
- Fixed (3p/4p) [kg] 97/117 (125 for E4H-A/f)
- Draw out (3p/4p) [kg] 147/165 (200 for E4H-A/f)
- Draw out (3p/4p) [lbs] 214/258 (276 for E4H-A/f)
- Draw out (3p/4p) [lbs] 324/363 (441 for E4H-A/f)

**Note:** Available in 4 poles only
Emax power circuit-breakers
Dimensions E4 series

Overall dimensions E4 (FIXED with rear horizontal bus)

1 Insulated wall or insulated metal wall
2 Segregation (when provided)
3 M10 mounting holes for circuit-breaker (included in the supply)
4 1x M12 screw for earthing (included in the supply)
5 Inside edge of compartment door
Emax power circuit-breakers
Dimensions E4 series

Overall dimensions E4 (DRAW OUT with rear horizontal bus)

1. Distance from connected to testing and isolated.
2. Segregation (when provided)
3. M8 mounting holes for circuit-breaker (included in the supply)
4. 1x M12 screw for earthing (included in the supply)
5. Inside edge of compartment door