

CIRCUIT BREAKER 400V 6KA, 3POLE, C, 2A



Figure similar

| Model  |    |                                 |
|--|----|---------------------------------|
| product brand name   |    | SENTRON                         |
| Product designation  |    | Miniature circuit breakers      |
| <b>Design of the product</b>   |    | 5SL miniature circuit breakers  |
| General technical data   |    |                                 |
| <b>Number of poles</b>   |    | 3                               |
| <b>Number of poles / Note</b>  |    | 3P                              |
| <b>Tripping characteristic class</b>   |    | C                               |
| <b>circuit-breaker / Design</b>  |    | 5SL6                            |
| <b>Mechanical service life (switching cycles) / typical</b>  |    | 20 000                          |
| <b>Overvoltage category</b>  |    | 3                               |
| Voltage  |    |                                 |
| <b>Insulation voltage</b>  |    |                                 |
| <ul style="list-style-type: none"> <li>with multi-phase operation / with AC / Rated value</li> </ul> | V  | 440                             |
| Supply voltage   |    |                                 |
| Supply voltage frequency / Rated value   | Hz | 50                              |
| Protection class   |    |                                 |
| <b>Protection class IP</b>   |    | IP20, with connected conductors |
| <b>Energy limiting class</b>   |    | 3                               |
| Switching capacity   |    |                                 |
| <b>Switching capacity current</b>  |    |                                 |
| <ul style="list-style-type: none"> <li>acc. to EN 60898 / Rated value</li> </ul>                     | kA | 6                               |

- acc. to IEC 60947-2 / Rated value

|    |   |
|----|---|
| kA | 6 |
|----|---|

### Dissipation

#### Active power loss

- for rated value of the current / with AC / in hot operating state / per pole

|   |     |
|---|-----|
| W | 1.2 |
|---|-----|

### Electricity

|  |   |         |
|--|---|---------|
| rated current $I_n$ / IEC, DIN/VDE / at 40 Cel | A | 1.90332 |
|--|---|---------|

|                                 |   |   |
|---------------------------------|---|---|
| Current / with AC / Rated value | A | 2 |
|---------------------------------|---|---|

### Main circuit

#### Operating voltage

- minimum
- for DC / Rated value / maximum
- with multi-phase operation / with AC / maximum

|   |     |
|---|-----|
| V | 24  |
| V | 60  |
| V | 440 |

### Product details

|                                    |  |     |
|------------------------------------|--|-----|
| Product feature / Touch protection |  | Yes |
|------------------------------------|--|-----|

#### Product property

- halogen-free
- sealable
- silicon-free

|     |
|-----|
| Yes |
| Yes |
| Yes |

|  |  |     |
|--|--|-----|
| Product expansion / can be installed / supplementary devices |  | Yes |
|--|--|-----|

### Product function

|  |  |    |
|--|--|----|
| Product function / neutral conductor switching |  | No |
|--|--|----|

### Number

|  |  |   |
|--|--|---|
| Number of test cycles / for environmental testing / acc. to IEC 60068-2-30 |  | 6 |
|--|--|---|

### Connections

#### Connectable conductor cross-section / stranded

- minimum
- maximum

|                 |      |
|-----------------|------|
| mm <sup>2</sup> | 0.75 |
| mm <sup>2</sup> | 35   |

#### Connectable conductor cross-section

- solid
  - minimum
  - maximum
- finely stranded / with core end processing
  - minimum
  - maximum

|                 |      |
|-----------------|------|
| mm <sup>2</sup> | 0.75 |
| mm <sup>2</sup> | 35   |
| mm <sup>2</sup> | 0.75 |
| mm <sup>2</sup> | 25   |

#### Tightening torque / with screw-type terminals

- minimum
- maximum

|     |     |
|-----|-----|
| N·m | 2.5 |
| N·m | 3   |

| Mechanical Design     |    |     |
|-----------------------|----|-----|
| Height                | mm | 90  |
| Width                 | mm | 54  |
| Depth                 | mm | 76  |
| mounting position     |    | any |
| Installation depth    | mm | 70  |
| Number of width units |    | 3   |


| Environmental conditions                 |    |                                       |
|--|----|---------------------------------------|
| Influence of the surrounding temperature |    | Periodically +55°C, max. 95% humidity |
| Ambient temperature                      |    |                                       |
| • minimum                                | °C | -25                                   |
| • maximum                                | °C | 45                                    |
| • during storage / minimum               | °C | -40                                   |
| • during storage / maximum               | °C | 75                                    |

| Certificates             |  |   |
|--------------------------|--|---|
| Equipment marking        |  |   |
| • acc. to DIN EN 61346-2 |  | F |
| • acc. to DIN EN 81346-2 |  | F |

#### General Product Approval



[other](#)

| General Product Approval | Declaration of Conformity   | Test Certificates     | other                 |
|--------------------------|---|-----------------------|-----------------------|
| <a href="#">TSE</a>      |  | <a href="#">other</a> | <a href="#">other</a> |



#### Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SL63027>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/5SL63027/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

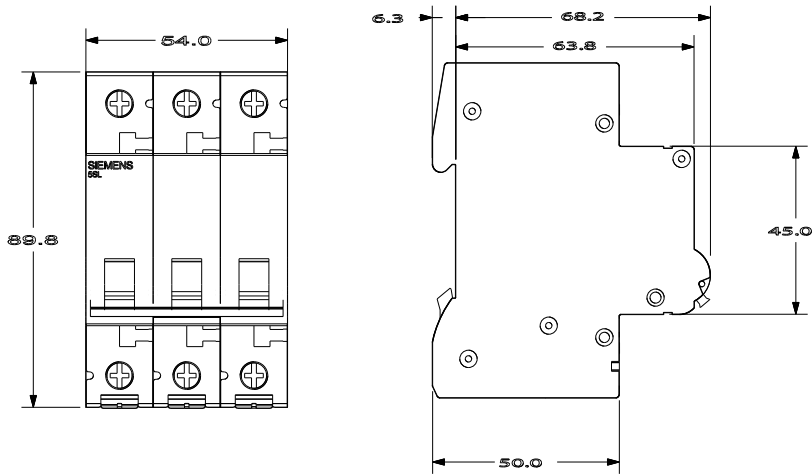
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL63027](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL63027)

CAX-Online-Generator

<http://www.siemens.com/cax>

**Tender specifications**

<http://ausschreibungstexte.siemens.com/tiplv>



last modified:

11.03.2015