

CIRCUIT BREAKER 400V 6KA, 3+N-POLE, C, 50A



Figure similar

| Model | | |
|--|----|---------------------------------|
| product brand name | | SENTRON |
| Product designation | | Miniature circuit breakers |
| Design of the product | | 5SL miniature circuit breakers |
| General technical data | | |
| Number of poles | | 4 |
| Number of poles / Note | | 3P+N |
| Tripping characteristic class | | C |
| circuit-breaker / Design | | 5SL6 |
| Mechanical service life (switching cycles) / typical | | 20 000 |
| Overtoltage category | | 3 |
| Voltage | | |
| Insulation voltage | | |
| <ul style="list-style-type: none"> with multi-phase operation / with AC / Rated value | V | 440 |
| Supply voltage | | |
| Supply voltage frequency / Rated value | Hz | 50 |
| Protection class | | |
| Protection class IP | | IP20, with connected conductors |
| Energy limiting class | | 3 |
| Switching capacity | | |
| Switching capacity current | | |
| <ul style="list-style-type: none"> acc. to EN 60898 / Rated value | 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 | 3.5 |
|---|-----|

Electricity

| | | |
|--|---|----------|
| rated current I_n / IEC, DIN/VDE / at 40 Cel | A | 46.96682 |
|--|---|----------|

| | | |
|---------------------------------|---|----|
| Current / with AC / Rated value | A | 50 |
|---------------------------------|---|----|

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

Number

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

Connections

Connectable conductor cross-section / stranded

- minimum
- maximum

| | |
|-----------------|------|
| mm ² | 0.75 |
|-----------------|------|

| | |
|-----------------|----|
| mm ² | 35 |
|-----------------|----|

Connectable conductor cross-section

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

| | |
|-----------------|------|
| mm ² | 0.75 |
|-----------------|------|

| | |
|-----------------|----|
| mm ² | 35 |
|-----------------|----|

| | |
|-----------------|------|
| mm ² | 0.75 |
|-----------------|------|

| | |
|-----------------|----|
| mm ² | 25 |
|-----------------|----|

Tightening torque / with screw-type terminals

- minimum
- maximum

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

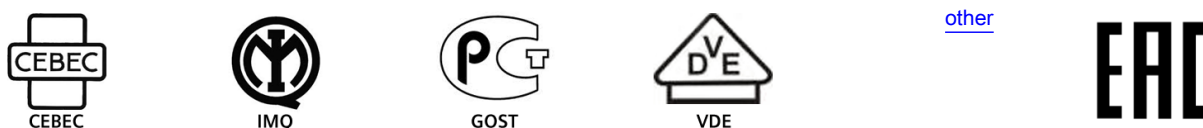
| | |
|-----|---|
| N·m | 3 |
|-----|---|

| Mechanical Design | | |
|-----------------------|----|-----|
| Height | mm | 90 |
| Width | mm | 18 |
| Depth | mm | 76 |
| mounting position | | any |
| Installation depth | mm | 70 |
| Number of width units | | 4 |

| 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



| General Product Approval | Declaration of Conformity | Test Certificates | other |
|--------------------------|---------------------------|-------------------|-------|
| | | | |

[TSE](#)



[other](#)

[other](#)

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/5SL66507>

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

<http://support.automation.siemens.com/WW/view/en/5SL66507/all>

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

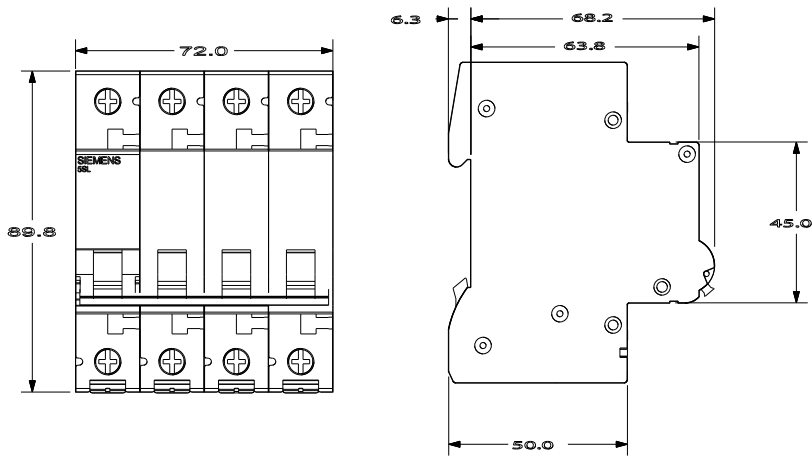
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL66507

CAX-Online-Generator

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

Tender specifications

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



last modified:

11.03.2015