

CIRCUIT BREAKER 230/400V 6KA, 1POLE, C, 2A



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 | | 1 |
| Number of poles / Note | | 1P |
| Tripping characteristic class | | C |
| circuit-breaker / Design | | 5SL6 |
| Mechanical service life (switching cycles) / typical | | 20 000 |
| Oversvoltage category | | 3 |

| Voltage | | |
|---|---|-------|
| Type of voltage | | AC/DC |
| Insulation voltage | | |
| <ul style="list-style-type: none"> with single-phase operation / with AC / Rated value | V | 440 |
| <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 | | |
| • 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 | 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 | V | 24 |
| • for DC / Rated value / maximum | V | 60 |
| • with single-phase operation / with AC / maximum | V | 250 |
| • with multi-phase operation / with AC / maximum | V | 440 |
| Product details | | |
| Product feature / Touch protection | | Yes |
| Product property | | |
| • halogen-free | | Yes |
| • sealable | | Yes |
| • silicon-free | | 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 | mm ² | 0.75 |
| • maximum | mm ² | 35 |
| Connectable conductor cross-section | | |
| • solid | | |
| — minimum | mm ² | 0.75 |
| — maximum | mm ² | 35 |
| • finely stranded / with core end processing | | |

| | | |
|--|-----------------|------|
| — minimum | mm ² | 0.75 |
| — maximum | mm ² | 25 |
| Tightening torque / with screw-type terminals | | |
| • minimum | N·m | 2.5 |
| • maximum | 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 | | 1 |
| Net weight | g | 150 |

Environmental conditions

| | | |
|--|----|---------------------------------------|
| Degree of pollution | | 2 |
| 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



[TSE](#)

| | | |
|---------------------------|-------------------|-------|
| Declaration of Conformity | Test Certificates | other |
|---------------------------|-------------------|-------|



[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/5SL61027>

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

<http://support.automation.siemens.com/WW/view/en/5SL61027/all>

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

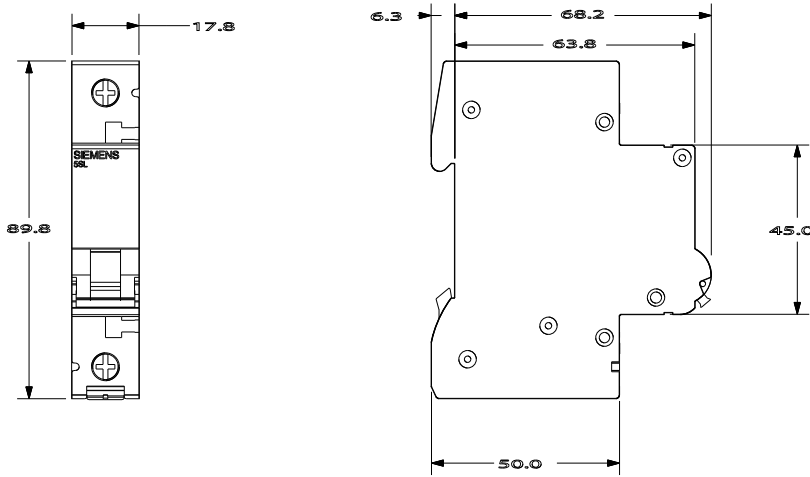
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL61027

CAX-Online-Generator

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

Tender specifications

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



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